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INTERIM MEASURES REPORT FOR SOLID WASTE MANAGEMENT UNIT 13 MINE FILL B
NSA CRANE IN
11/1/2013
TETRA TECH

Interim Measures Report
for
SWMU 13 - Mine Fill B

Naval Support Activity Crane
Crane, Indiana

Naval Facilities Engineering Command Midwest

Contract Number N62470-08-D-1001

Contract Task Order F272

November 2013

INTERIM MEASURES REPORT
SWMU 13 - MINE FILL B

NAVAL SUPPORT ACTIVITY CRANE
CRANE, INDIANA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

Submitted to:
Naval Facilities Engineering Command Midwest
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Building 1A, Code EV
Great Lakes, Illinois 60088

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CONTRACT NUMBER N62470-08-D-1001
CONTRACT TASK ORDER F272

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ACRONYMS

bgs	below ground surface
CLEAN	Comprehensive Long-term Environmental Action Navy
CTO	Contract Task Order
DPT	Direct-Push Technology
EMAC	Environmental Multiple Award Contract
GPS	global positioning system
HMX	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
IAS	Initial Assessment Study
IDEM	Indiana Department of Environmental Management
IM	Interim Measure
IMWP	Interim Measures Work Plan
MFB	Mine Fill B
mg/kg	milligrams/kilogram
NAVFAC	Naval Facilities Engineering Command
Navy	United States Navy
NSA	Naval Support Activity
PCB	polychlorinated biphenyl
ppm	parts per million
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine
RFI	RCRA Facility Investigation
sf	square feet
SWMU	Solid Waste Management Unit
TNT	2,4,6-trinitrotoluene
TolTest	TolTest, Inc.
TSCA	Toxic Substances Control Act
Tetra Tech	Tetra Tech NUS, Inc.
VOCs	volatile organic compounds

EXECUTIVE SUMMARY

This Interim Measures (IM) Report documents the activities performed during the interim remedial action conducted at Solid Waste Management Unit (SWMU) 13 Mine Fill B (MFB), at Naval Support Activity (NSA) Crane, located in Crane, Indiana. Tetra Tech NUS, Inc. (Tetra Tech) prepared this report for the United States Navy (Navy) Naval Facilities Engineering Command (NAVFAC) Midwest under Contract Task Order (CTO) F272, Comprehensive Long-Term Environmental Action Navy (CLEAN) IV, Contract Number N62470-08-D-1001.

PURPOSE OF IM REPORT

This report summarizes work performed at NSA Crane, SWMU 13 – MFB by TolTest, Inc. (TolTest) and Tetra Tech that began November 3, 2008, and was completed July 19, 2010. Activities performed by TolTest included establishing erosion and sediment controls, clearing trees and other vegetation in the excavation and work areas, excavation of contaminated soils, off-site disposal of contaminated soils, backfilling/regrading of excavation areas, and seeding all disturbed areas. Activities performed by Tetra Tech included verification sampling.

SWMU 13 DESCRIPTION

MFB is approximately 50 acres in size and is located in the central portion of NSA Crane within the Boggs and Turkey Creek Drainage Basin, which is one of the five drainage basins that carry surface water off the installation and eventually drain into the East Fork of the White River and then to the Wabash River to the southwest.

MFB has been in use since 1941 when NSA Crane was commissioned, and explosive ordnance was produced at MFB from 1941 until 1973. Since 1973, the facilities at MFB have been used to renovate ordnance and equipment. This IM focuses on removal of polychlorinated biphenyl (PCB)-contaminated soils and sediments in the vicinity of Buildings 166 and 171. The major source of PCB contamination at MFB was leaking PCB-containing heating oils from historic therminol boilers and associated equipment located near Buildings 166 and 171.

PREVIOUS INVESTIGATIONS AND ACTIONS

Various sampling activities took place in 1972, 1978, 1979, and 1985. Selected groundwater (from hand-dug wells), surface water, sediment, and soil samples were collected and indicated the presence of

trinitrotolune (TNT), cyclotrimethylenetrinitramine (RDX), and cyclotetramethylenetetranitramine (HMX) (Halliburton NUS, 1992).

In 1999, 2000, and 2001, remediation activities took place at MFB as part of the bioremediation program that included sampling, excavation, on-site treatment through bioremediation (composting) of explosives-contaminated soil, and on-site backfilling of compost (TolTest, 2002). Some soils containing PCBs were removed during the IM remediation of explosives-contaminated soil at MFB, but PCBs were not the focus of the bioremediation (composting) of explosives-contaminated soil.

Based upon the results of a 1985 Initial Assessment Survey (IAS) for MFB (Halliburton NUS, 1992) and the IM remediation, Tetra Tech conducted a Resource Conservation and Recovery Act (RCRA) Remedial Field Investigation (RFI) for SWMU 13 (Tetra Tech, 2007). The results of the RFI warranted the collection of sediment samples from the Building 171 drainage trenches. A drainage trench investigation was conducted in May 2008.

SITE CONTAMINATION AND CLEANUP STANDARDS

The soil and sediment sampling events associated with the RFI and the 2008 drainage trench investigation verified PCB contamination within the surface soil and within several drainage channels and trench drains. A 2008 Interim Measures Work Plan (IMWP) established the cleanup goals, excavation limits, and verification sampling scheme for SWMU 13 (Tetra Tech, 2008). The IMWP established a cleanup goal of 1 mg/kg, the Toxic Substances Control Act (TSCA) High Occupancy Standard, for surface soil [from 0 to 2 feet below ground surface (bgs)] and sediment (regardless of depth) to eliminate unacceptable human health risk and reduce ecological risk such that average concentrations will meet ecological requirements. The TSCA Low Occupancy Standard (25 mg/kg) was established for subsurface soils (2 feet bgs and deeper).

INTERIM REMEDIAL ACTION

TolTest performed excavation activities in 11 areas at SWMU 13 – MFB from November 3, 2008, to July 19, 2010, and disposed of a total of 4,161.1 tons of non-TSCA material and 1,353.89 tons of TSCA material. TolTest backfilled the majority of the excavation areas to the original, pre-excavation grades and regraded some areas to match the surrounding grade. A total of 538.24 tons of off-site backfill was placed in portions of the excavations, and the remainder of the backfill placed in the excavations was obtained from on-site sources.

A total of 505 verification samples were collected from the walls and floors of the 11 areas to verify that the remaining soils did not pose an unacceptable human health or ecological risk. Of the 505 samples collected, 255 were field-tested using the Rapid Assay PCB test kit to determine whether to send the samples to the fixed-base laboratory to verify the field test results. Verification samples not analyzed in the field were sent to the fixed-base laboratory. A total of 355 verification samples were sent to the fixed-base laboratory for analysis.

The results of the analytical data demonstrate that the soil and sediment excavation and removal conducted during the interim remedial action was successful in removing contamination that posed unacceptable human health and ecological risk at SWMU 13. No further action is recommended for the areas addressed by these IM activities at SWMU 13 – MFB.

1.0 INTRODUCTION

1.1 PURPOSE

The purpose of this Interim Measures (IM) Report is to describe the activities performed during the interim remedial action conducted at Solid Waste Management Unit (SWMU) 13 Mine Fill B (MFB), at Naval Support Activity (NSA) Crane, located in Crane, Indiana. The activities associated with this interim action were completed in accordance with the Interim Measures Work Plan (IMWP) for SWMU 13 MFB (Tetra Tech, 2008) and Quality Assurance Project Plan (QAPP) Addendum No. 1 (Tetra Tech, 2006). Activities included establishing erosion and sediment controls, clearing trees and other vegetation in the excavation and work areas, excavation of contaminated soils from within MFB, off-site disposal of contaminated soils, backfilling/regrading of excavation areas, and seeding all disturbed areas. This report was prepared for the United States Navy (Navy), Naval Facilities Engineering Command (NAVFAC) Midwest by Tetra Tech NUS, Inc. (Tetra Tech) under Contract Task Order (CTO) F272 of the Comprehensive Long-Term Environmental Action Navy (CLEAN) IV Contract Number N62470-08-D-1001. TolTest, Inc. (TolTest) was the Environmental Multiple Award Contract (EMAC) Contractor. Initial field activities began in November 2008, and field work was completed in July 2010.

1.2 FACILITY DESCRIPTION

NSA Crane is located in the southern portion of Indiana, approximately 75 miles southwest of Indianapolis and 71 miles northwest of Louisville, Kentucky, immediately east of Crane Village and Burns City (Figure 1-1). NSA Crane encompasses 62,463 acres (approximately 98 square miles), most of which are located in the northern portion of Martin County. Smaller portions of NSA Crane are located in Greene, Daviess, and Lawrence Counties. NSA Crane is located in a rural, sparsely populated area. Most of NSA Crane is forested, and the surrounding area is wooded or farmed land. NSA Crane provides material, technical, and logistical support to the Navy for equipment, shipboard weapons systems, and nonexpendable ordnance items. In addition, NSA Crane supports the Crane Army Ammunition Activity with production, renovation, storage, shipment, demilitarization, and disposal of conventional ammunition.

1.3 SITE DESCRIPTION AND HISTORY

SWMU 13 is located in the central portion of NSA Crane, as shown on Figure 1-1. Figure 1-2 is an aerial photograph of SWMU 13 showing the facility locations at MFB. MFB has been in use since 1941 when NSA Crane was commissioned, and explosive ordnance was produced at MFB from 1941 until 1973. Since 1973, the facilities at MFB have been used to renovate ordnance and equipment. This IM focuses

on removal of polychlorinated biphenyl (PCB)-contaminated soils and sediments in the vicinity of Buildings 166 and 171. The therminol boilers located near Buildings 166 and 171 were used to heat PCB-containing oil. The heated oil was then transported to Buildings 166 and 171 (i.e., the melt buildings), where the oil was used as a heat-transfer medium in the melting of explosive mixtures (Halliburton NUS, 1992).

Building 169, located between Buildings 166 and 171, housed inert operations (Halliburton NUS, 1992). The therminol boiler operations were not associated with activities in Building 169 (i.e., no PCB containing materials were associated with activities conducted at Building 169).

The major source of PCB contamination at MFB resulted from therminol boiler activities associated with Buildings 166 and 171 where oils containing PCBs leaked. The therminol boilers, associated equipment, and piping were removed in the mid- to late-1980s and disposed off-site, in accordance with Toxic Substances Control Act (TSCA) regulations. The historic locations of the therminol boilers are indicated on Figure 1-2.

MFB was remediated in 1999, 2000, and 2001 as part of a bioremediation program that included sampling, excavation, on-site treatment through bioremediation (composting) of explosives-contaminated soil, and backfilling of the compost at MFB. The types of analytes measured before and after the remediation included volatile organic compounds (VOCs), explosives, metals, and PCBs (Aroclor 1242, 1254, and 1260).

1.4 PREVIOUS INVESTIGATIONS AND ACTIONS

1.4.1 Surface Water Sampling (1972, 1978, and 1979)

Selected surface water samples were collected in drains and drainage channels in 1972, 1978, and 1979 by the Department of the Army (Halliburton NUS, 1992). Samples were collected adjacent to and in the vicinity of the SWMU 13 buildings. Trinitrotolune (TNT), cyclotrimethylenetrinitramine (RDX), and cyclotetramethylenetetranitramine (HMX) were detected in most samples, and concentrations in the samples collected nearer the buildings were greater than concentrations found farther away.

1.4.2 Initial Assessment Survey (1985)

As part of the Initial Assessment Survey (IAS) for MFB in 1985, eight soil samples were collected around Buildings 167 and 172 at a depth of 20 inches and analyzed for explosives (Halliburton NUS, 1992). Buildings 167 and 172 are approximately 600 feet northwest of Buildings 166 and 171, respectively, as

shown on Figure 1-2. Concentrations of TNT ranged from 4.8 to 2,410 milligrams per kilogram (mg/kg), concentrations of HMX ranged from 10.8 to 2,020 mg/kg, and concentrations of RDX ranged from 20.6 to 24,100 mg/kg. Data indicated that the area around Building 172 was much more contaminated than the area around Building 167.

1.4.3 Interim Measures (1999 - 2002)

MFB was remediated between June 1999 to January 2002 as part of the bioremediation program that included sampling, excavation, on-site treatment through bioremediation (composting) of explosives-contaminated soil, and backfilling of the compost at MFB. The types of analytes measured before and after the remediation included VOCs, explosives, metals, and PCBs (Aroclor 1242, 1254, and 1260).

1.4.4 Resource Conservation and Recovery Act Facility Investigation (2003, 2004, and 2006)

The IAS documented that residual PCB contamination remained in soil near Buildings 166 and 171 where the therminol boilers were operated. In 1992, PCB contamination was detected near Buildings 166 and 171 (Halliburton NUS, 1992). Based upon the results of the IAS and the IM remediation, Tetra Tech conducted a Resource Conservation and Recovery Act (RCRA) Remedial Field Investigation (RFI) for SWMU 13 (Tetra Tech, 2007). Some soils containing PCBs were removed during the IM remediation of explosives-contaminated soil at MFB, but PCBs were not the focus of the bioremediation (composting) of explosives-contaminated soil that occurred between 1999 and 2002. Composted soil was replaced at the site as backfill.

1.4.5 Drainage Trench Investigation (2008)

During the RFI, a sediment sample was collected from the sump located northwest of Building 171. This sample (13SD57) contained 36 mg/kg of total PCBs (Figure 1-3). Due to this sample result, a field investigation to determine the origin of the sediment within the sump was conducted. During the field investigation, sediment was discovered in the Building 171 trench drains that convey flow to the sump, where sample 13SD57 was collected. These factors warranted the collection of samples from the Building 171 drainage trenches. Therefore, the May 2008 drainage trench investigation was conducted to determine the need to remediate the drainage trenches/piping that convey stormwater to the sump northwest of Building 171. The investigation included the collection of eight sediment samples, two soil samples, and associated quality assurance/quality control samples. These samples were analyzed for PCBs and explosives. The results of this effort are included in this report. Figure 1-3 identifies the locations and positive results for the 2008 sampling event. As indicated on Figure 1-3, PCB

contamination was present within the drainage structures that convey stormwater to the sump located northwest of Building 171.

1.5 EXTENT OF CONTAMINATION

The IM conducted for the bioremediation of explosives-contaminated soil removed incidental and limited PCB contamination from soil at SWMU 13. Verification samples collected following the IM identified isolated areas where PCB contamination remained in the subsurface soil. In addition, the soil and sediment sampling events associated with the RFI and drainage trench investigation, conducted within the drainage channel network surrounding SWMU 13, verified PCB contamination within the surface soil and within several drainage channels and trench drains. The extent of soil and sediment PCB contamination that require removal under this IM is identified on Figures 1-3, 1-4, and 1-5.

In 2008, an IMWP established the cleanup goals, excavation limits, and verification sampling scheme (Tetra Tech, 2008). The SWMU 13 IMWP established a cleanup goal of 1 mg/kg for surface soil [from 0 to 2 feet below ground surface (bgs)] and sediment (regardless of depth) for the protection of ecological receptors. Although this cleanup goal would not remove all of the SWMU 13 PCB contamination present in soil and sediment, it eliminates unacceptable human health risk and reduces ecological risk such that average concentrations will meet ecological requirements. This PCB cleanup goal has been used and found acceptable by Indiana Department of Environmental Management (IDEM) for similar cleanup operations at a nearby General Motors site and at cleanup projects in the Lower Fox River in Illinois and Green Bay, Wisconsin. This PCB cleanup goal also represents the TSCA High Occupancy Standard (1 mg/kg). The TSCA Low Occupancy Standard (25 mg/kg) will be used for subsurface soils (2 feet bgs and deeper).

Based on the extent of contamination remaining at SWMU 13, initial excavation limits were developed in the IMWP (Figures 1-6 and 1-7).

1.6 REPORT ORGANIZATION

The remaining sections of this document contain the following information.

- Section 2.0 presents the site preparation activities associated with this interim remedial action.
- Section 3.0 presents the excavation activities and the data associated with the verification sampling conducted upon excavation and removal of soil and sediment from SWMU 13 MFB.

- Section 4.0 presents the report conclusions based on the results of the interim remedial action activities.

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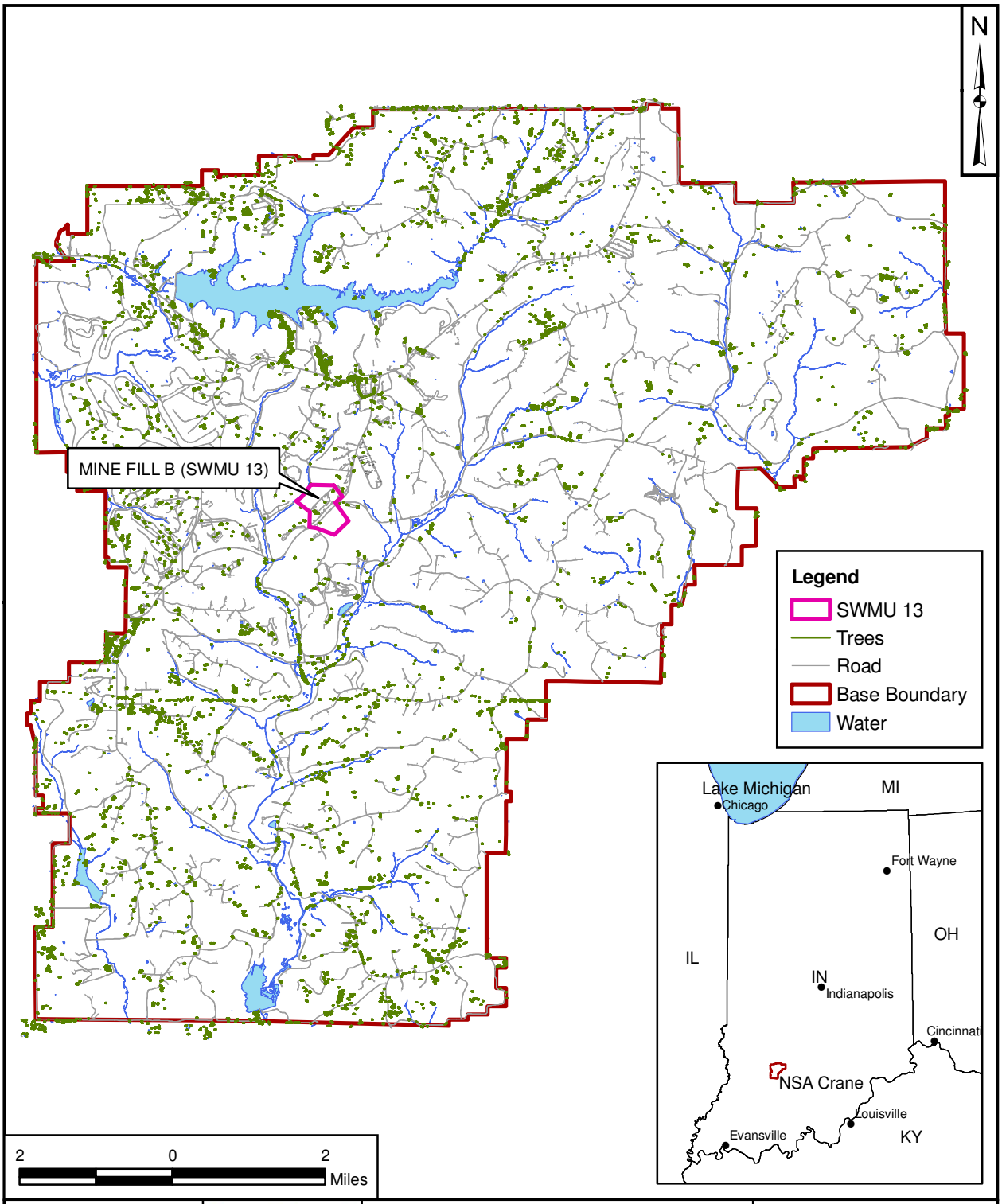
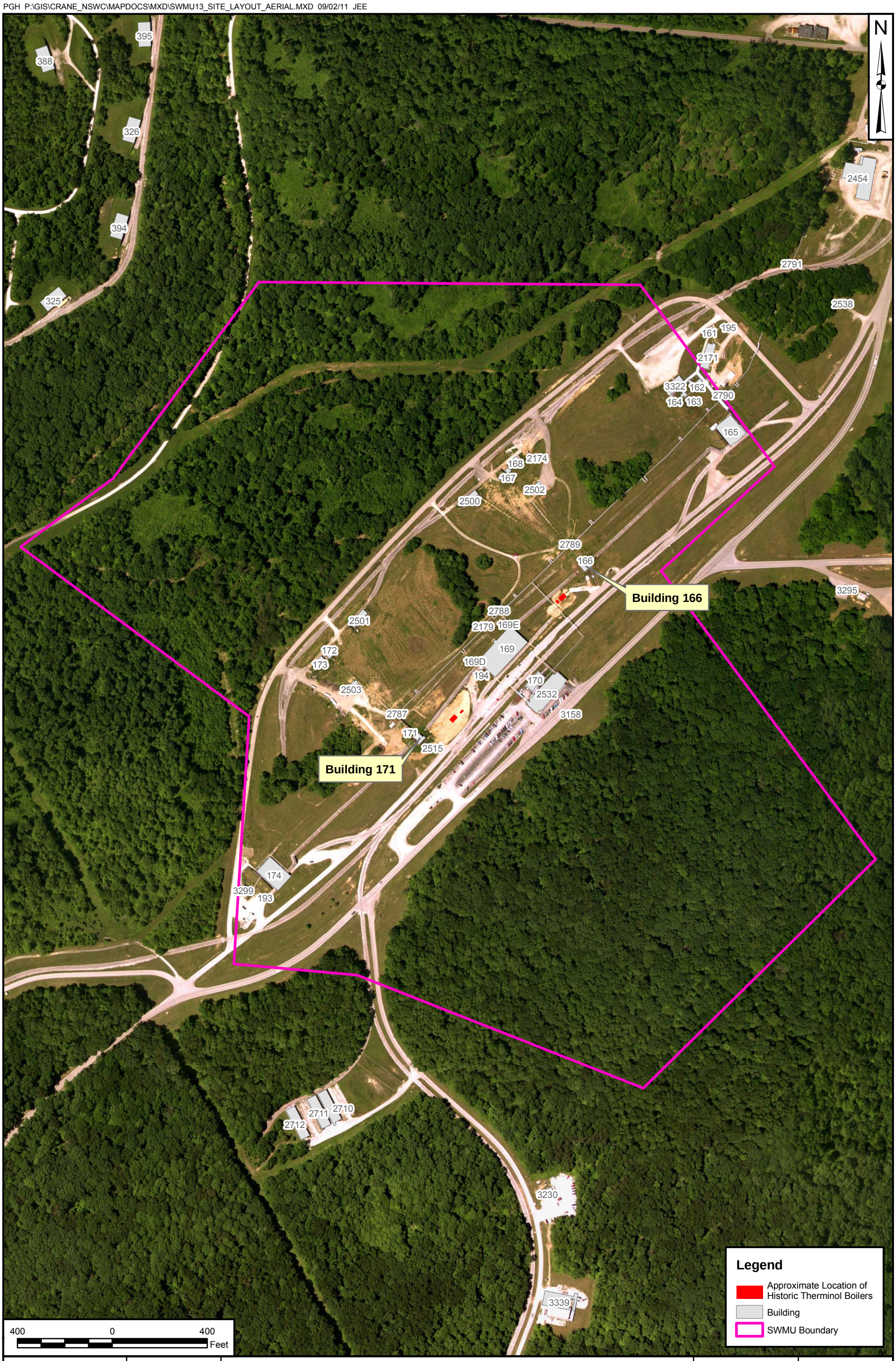


DRAWN BY	DATE			CONTRACT NUMBER
T. WHEATON	05/12/10		BASE AND SITE LOCATION MAP SWMU 13 - MINE FILL B INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CTO 0042
CHECKED BY	DATE			APPROVED BY / DATE
B. COLLINS	03/23/11			S. RUFFING / 03/02/11
REVISED BY	DATE			APPROVED BY / DATE
—	—			— / —
SCALE		NAVFAC		FIGURE NO. / REV
AS NOTED				FIGURE 1-1 / 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_SITE_LAYOUT_AERIAL.MXD 09/02/11 JEE



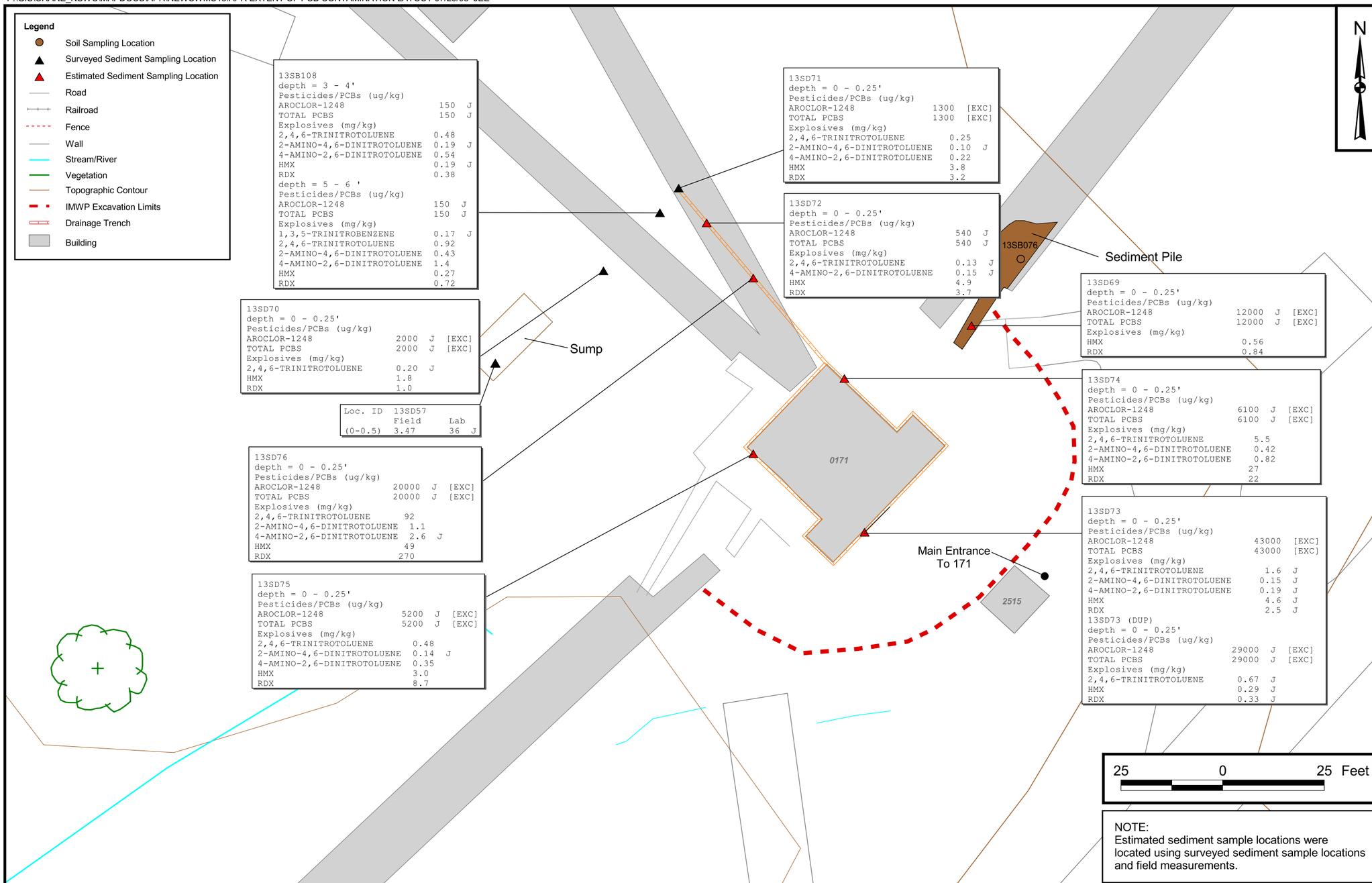
DRAWN BY	DATE
J. ENGLISH	02/15/11
CHECKED BY	DATE
S. VASKO	01/01/11
REVISED BY	DATE
—	—
SCALE	
AS NOTED	

NAVFAC

AERIAL PHOTOGRAPH AND SWMU 13 BOUNDARY
SWMU 13 - MINE FILL B
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	CTO NUMBER
2096	0042
APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—
FIGURE NO.	REV
FIGURE 1-2	0

P:\GIS\CRANE_NSWC\MAPDOCS\APR\NEWSWMU13.APR EXTENT OF PCB CONTAMINATION LAYOUT 07/29/08 JEE



NOTE:
Estimated sediment sample locations were located using surveyed sediment sample locations and field measurements.

CONTRACT NO. 0020

APPROVED BY ___ DATE ___

APPROVED BY ___ DATE ___

DRAWING NO. FIGURE 2-4

REV –

EXTENT OF CONTAMINATION
IN THE DRAINAGE SYSTEM AROUND BUILDING 171
SWMU 13 - MINE FILL B
INTERIM MEASURES WORK PLAN
NSWC CRANE
CRANE INDIANA

NAVFAC

DRAWN BY S. STROZ DATE 07/17/08

CHECKED BY T. SMITH DATE 07/29/08

COST/SCHED-AREA

SCALE AS NOTED

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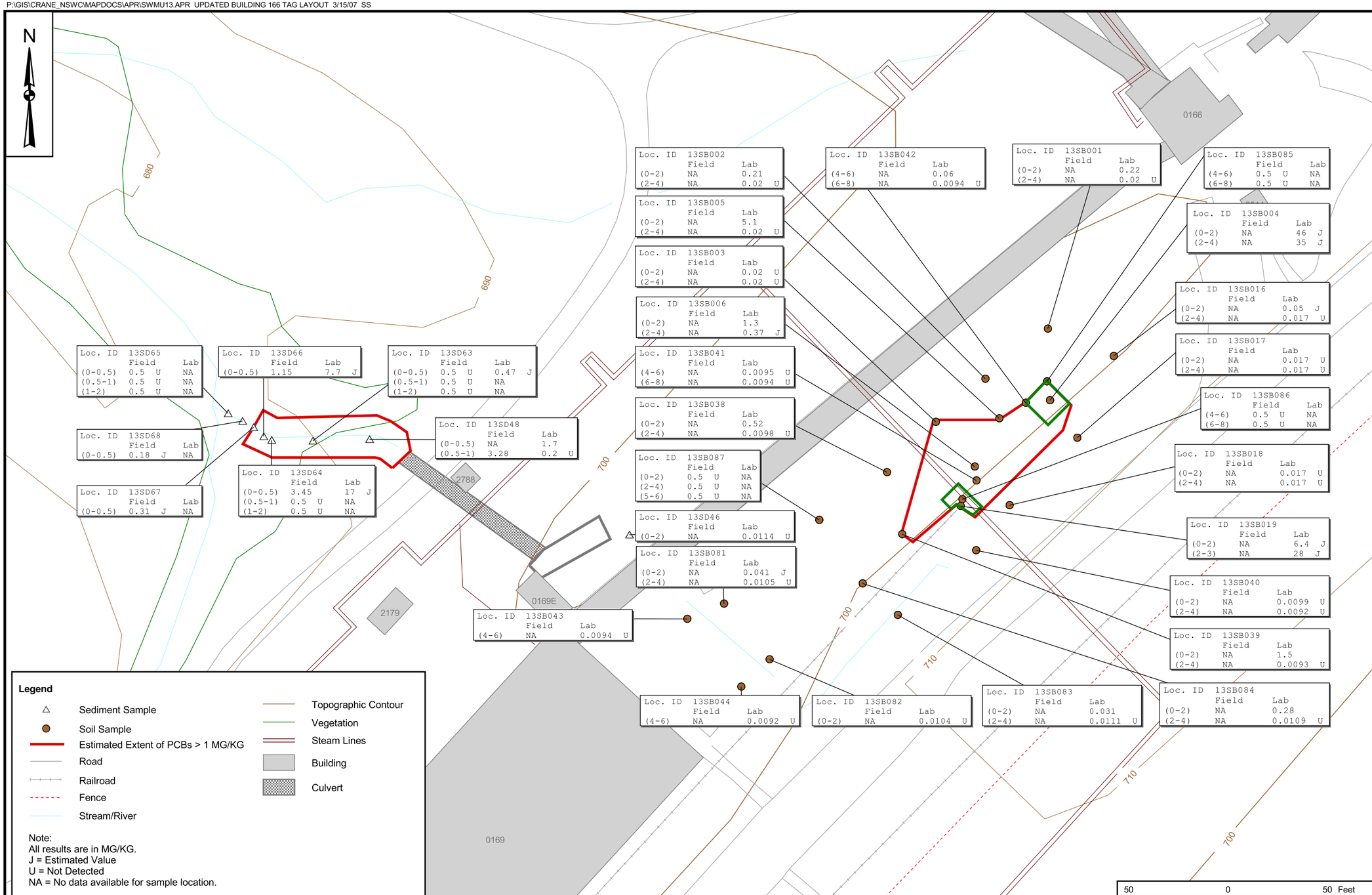


CONTRACT NO. 112G00352

APPROVED BY ___ DATE ___

APPROVED BY ___ DATE ___

DRAWING NO. FIGURE 2 - 3

REV 0

EXTENT OF PCB CONTAMINATION (BUILDING 166 AREA)
SWMU 13 - MINE FILL B
INTERIM MEASURES WORK PLAN
NSWC CRANE
CRANE, INDIANA

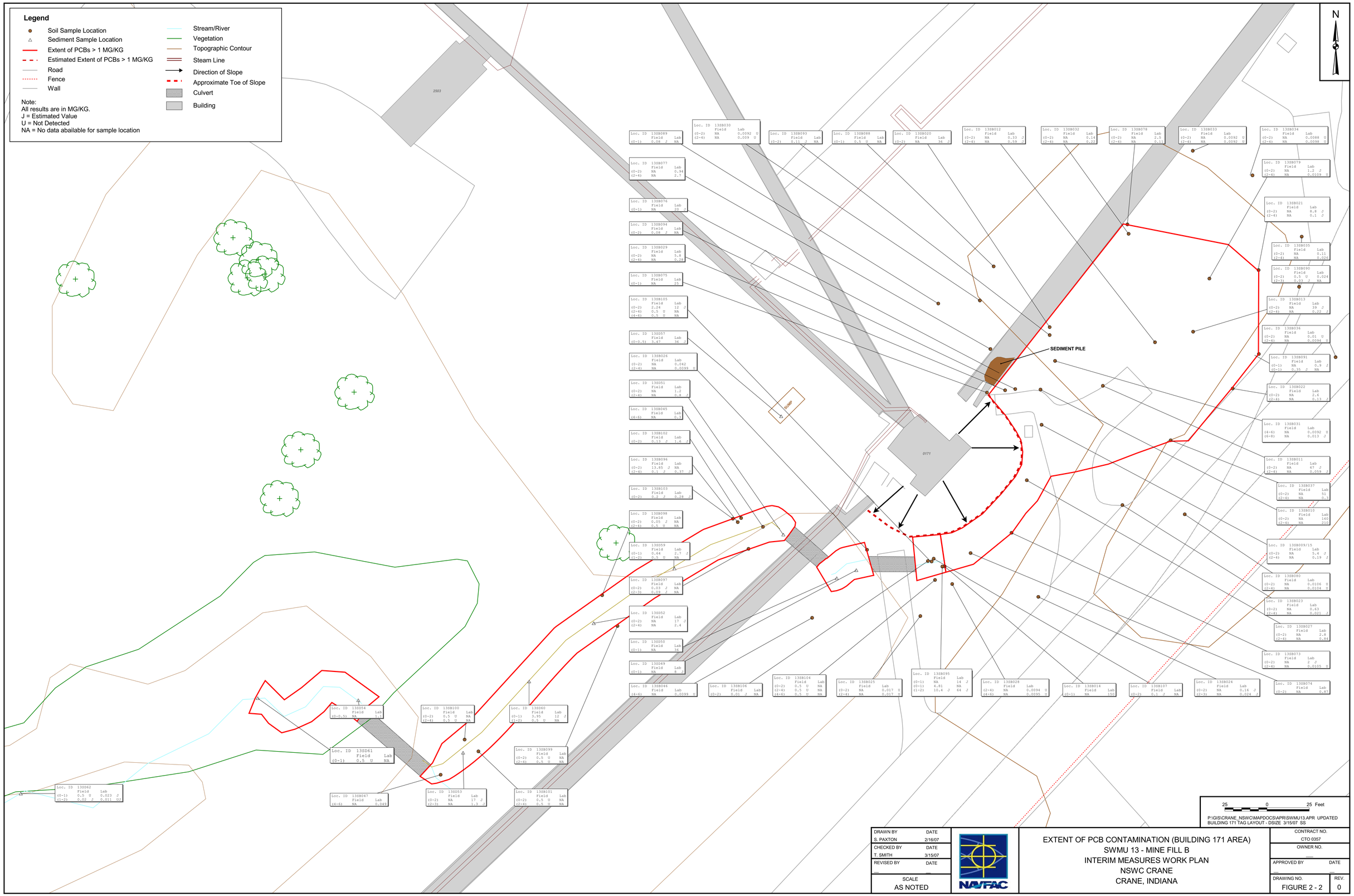
NAVFAC

DRAWN BY S. PAXTON DATE 2/16/07

CHECKED BY T. SMITH DATE 3/15/07

COST/SCHED-AREA

SCALE AS NOTED



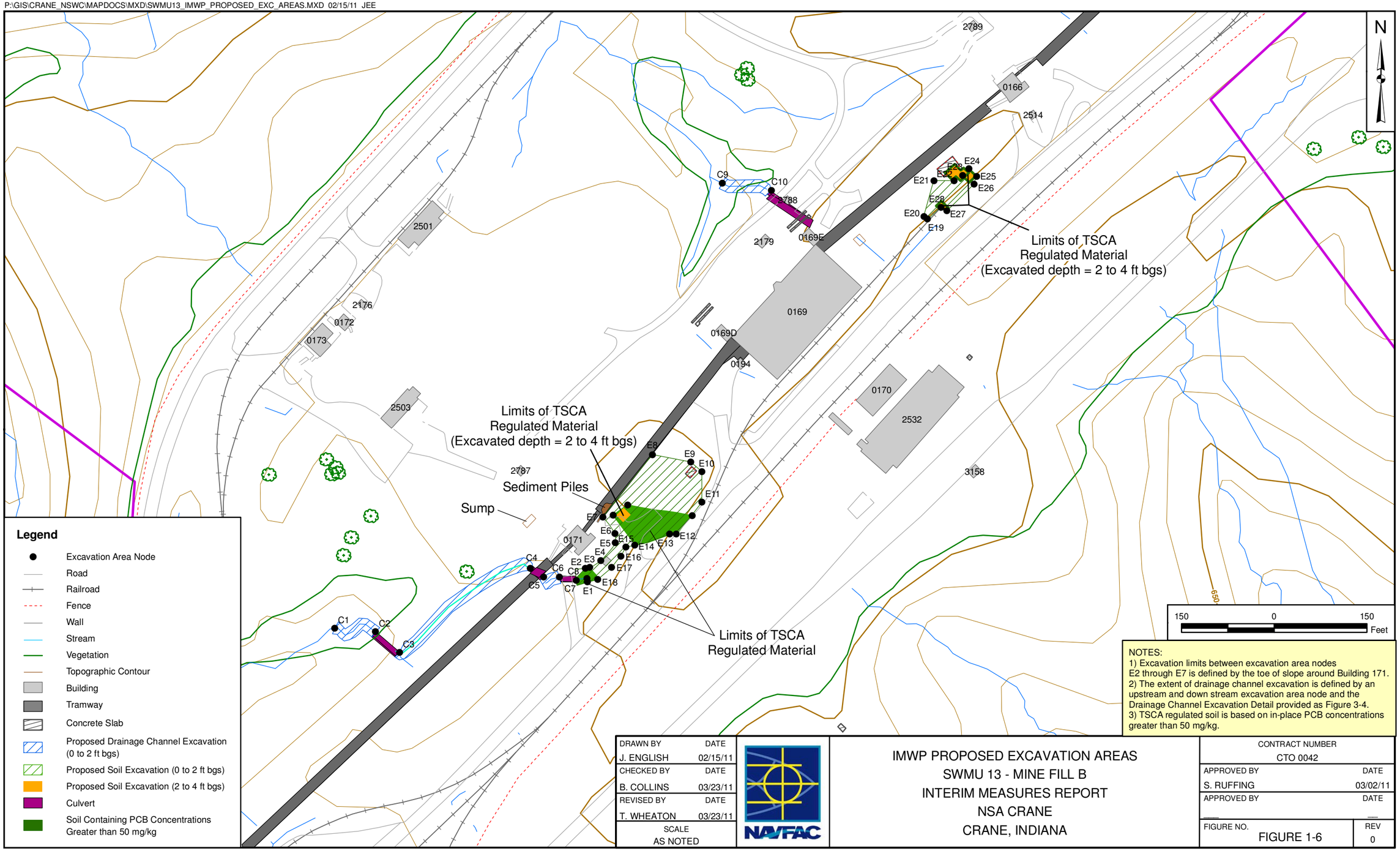
DRAWN BY	DATE
S. PAXTON	2/16/07
CHECKED BY	DATE
T. SMITH	3/15/07
REVISED BY	DATE
SCALE	
AS NOTED	

NAVFAC

EXTENT OF PCB CONTAMINATION (BUILDING 171 AREA)
SWMU 13 - MINE FILL B
INTERIM MEASURES WORK PLAN
NSWC CRANE
CRANE, INDIANA

CONTRACT NO.	
CTO 0357	
OWNER NO.	
APPROVED BY:	DATE
DRAWING NO.	REV.
FIGURE 2 - 2	0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_IMWP_PROPOSED_EXC_AREAS.MXD 02/15/11 JEE



NOTES:
1) Excavation limits between excavation area nodes E2 through E7 is defined by the toe of slope around Building 171.
2) The extent of drainage channel excavation is defined by an upstream and down stream excavation area node and the Drainage Channel Excavation Detail provided as Figure 3-4.
3) TSCA regulated soil is based on in-place PCB concentrations greater than 50 mg/kg.

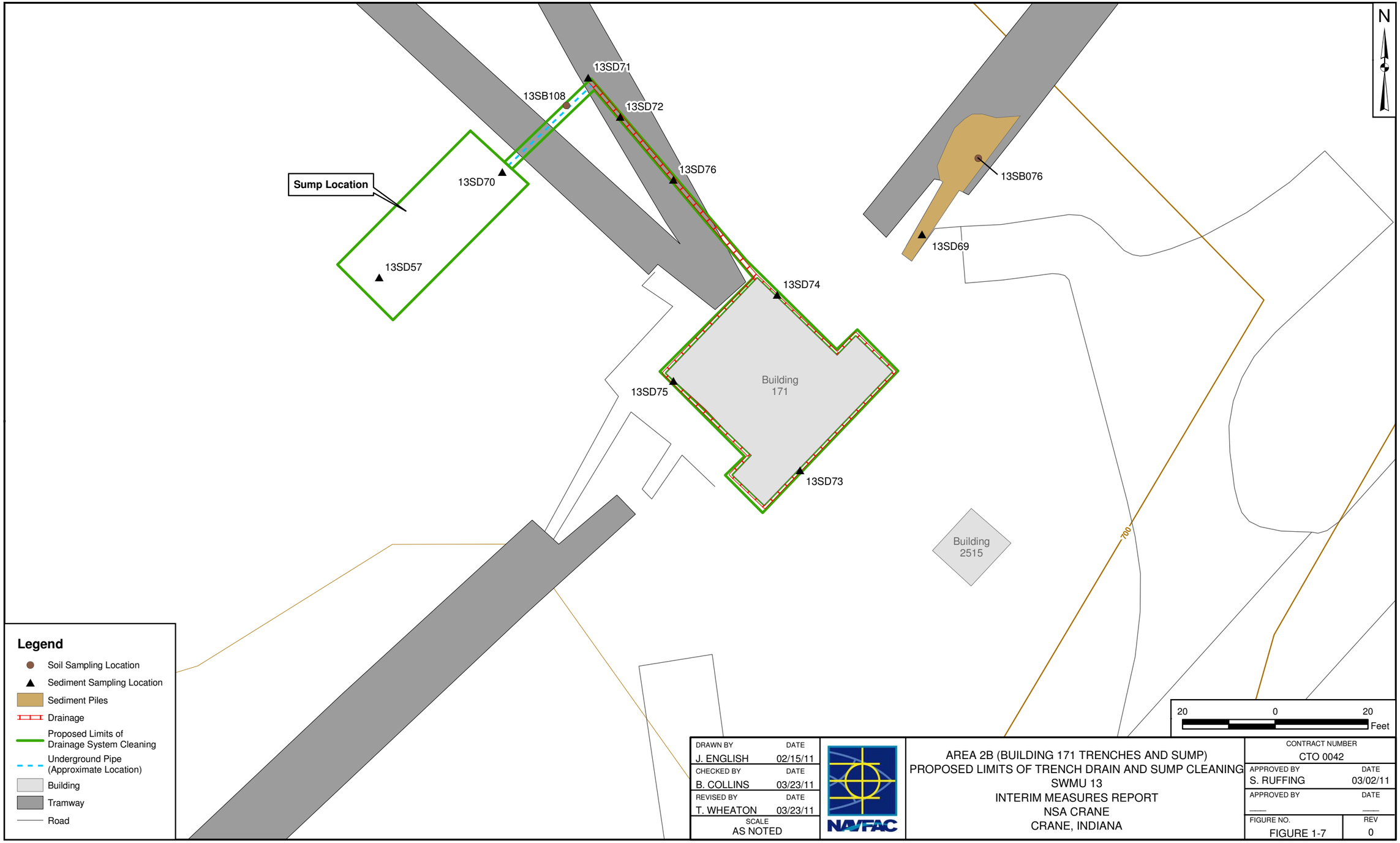
DRAWN BY	DATE
J. ENGLISH	02/15/11
CHECKED BY	DATE
B. COLLINS	03/23/11
REVISED BY	DATE
T. WHEATON	03/23/11
SCALE	
AS NOTED	

NAVFAC

IMWP PROPOSED EXCAVATION AREAS
SWMU 13 - MINE FILL B
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 1-6	0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2B_LIMITS.MXD 03/23/11 TW



DRAWN BY	DATE
J. ENGLISH	02/15/11
CHECKED BY	DATE
B. COLLINS	03/23/11
REVISED BY	DATE
T. WHEATON	03/23/11
SCALE	
AS NOTED	

NAVFAC

AREA 2B (BUILDING 171 TRENCHES AND SUMP)
PROPOSED LIMITS OF TRENCH DRAIN AND SUMP CLEANING
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
___	___
FIGURE NO.	REV
FIGURE 1-7	0

2.0 SITE PREPARATION ACTIVITIES

2.1 PURPOSE

The purpose of this section is to present the site preparation activities conducted by TolTest as part of the interim remedial action. Excavation activities and post-excavation sample results used to confirm that no further removal of soil or sediment from SWMU 13 was required to satisfy regulatory requirements are summarized in Section 3.0 of this report. The IMWP for SWMU 13 – MFB (Tetra Tech, 2008) provided the requirements for site preparation activities. TolTest was selected as the EMAC Contractor responsible for on-site construction activities, which were conducted in accordance with the IMWP.

2.2 SITE PREPARATION

Site preparation included a pre-construction meeting, mobilizing personnel and equipment to the site, establishing perimeter erosion and sediment controls, and clearing vegetation at the site. The pre-construction meeting between the Navy and TolTest was conducted to review the responsibilities of each party and to establish lines of communication. TolTest worked directly with the NSA Crane Public Works Department to locate and mark all underground utilities within the area of IM activities.

2.2.1 Mobilization

Initial mobilization to the site by TolTest personnel began October 31, 2008. Upon mobilization, the excavation limits were delineated with spray paint and the accuracy of the survey stakes was confirmed. Temporary roads were constructed to provide access to the individual excavation areas in the locations shown in the IMWP (Tetra Tech, 2008). The temporary access roads were constructed by placing geotextile on the existing ground surface and placing coarse aggregate on top of the geotextile (minimum 6-inch thickness).

2.2.2 Erosion and Sediment Controls

Temporary erosion controls consisted of silt fence, in-stream sediment traps, and gravel construction entrances. The silt fence was installed where indicated in the IMWP (Tetra Tech, 2008). In-stream sediment traps were placed at least every 300 feet within the drainage channels from which PCB-contaminated sediments were removed, as required in the IMWP (Tetra Tech, 2008), to provide a temporary sediment barrier while allowing flow within the disturbed channel. In-stream sediment traps were constructed of gravel, riprap, and filter fabric. Gravel construction entrances were installed at the

locations indicated in the IMWP (Tetra Tech, 2008). Gravel construction entrances were established to provide access to the work areas and to prevent soil from being tracked off-site via equipment and trucks. All erosion and sediment controls were installed prior to intrusive activities and were visually inspected periodically during the interim measures activities, and after each runoff-producing rain event, to verify their continued integrity.

2.2.3 Clearing

Clearing was limited to the Building 169 drainage channel, the Building 171 west drainage channel, and the temporary access roads associated with these areas. See Figure 1-6 for the locations of these areas at SWMU 13. The remaining eight excavation areas were either vegetated with grass or covered by concrete structures, such as sumps or building trenches. Initial clearing at the drainage channel behind Building 169 began on November 13, 2008. Initial clearing at the Building 171 west drainage channel began on November 20, 2008. Trees and other vegetation were removed from the work areas. Clearing activities were kept to a minimum to minimize impacts to natural habitat. Cleared vegetation was chipped and handled as directed by NSA Crane.

2.2.4 Stockpiling

An existing asphalt pad on the north side of SWMU 13 near Building 2502 (location of sample 13SOCF069 on Figure 3-37) was used as a material storage area, in accordance with NSA Crane policies. While most of the contaminated soils were direct loaded from the areas of excavation, some stockpiled soils were transported to this area until they could be hauled to an acceptable disposal facility at a later date. The soil stockpile was covered to prevent erosion of contaminated soil. The soil surrounding the asphalt pad was sampled upon completion of the interim measures activities to ensure that it was not contaminated by the soil stockpile.

3.0 EXCAVATION AND SAMPLING ACTIVITIES

3.1 PURPOSE

The purpose of this section is to present TolTest's IM excavation activities and Tetra Tech's post-excavation sample results used to confirm that no further removal of soil or sediment from SWMU 13 is required to satisfy regulatory requirements. The IMWP for SWMU 13 – MFB (Tetra Tech, 2008) described initial excavation limits and sampling locations and provided requirements for the excavation and off-site disposal of contaminated soil from SWMU 13. Figures 1-6 and 1-7 present the initial excavation limits for SWMU 13. QAPP Addendum No. 1 (Tetra Tech, 2006) described sampling methods and rationales for the sampling activities conducted in support of the IM at SWMU 13. Details regarding the environmental sampling, including sampling locations and analyses, are provided in this section. Photographs taken during the remedial activities are presented in Appendix A.

3.2 EXCAVATION, SAMPLE COLLECTION AND RESULTS, OFF-SITE DISPOSAL, AND BACKFILLING

The following is a summary of the excavation, sample collection, sample results, and off-site disposal that occurred at SWMU 13 – MFB. Table 3-1 contains a summary of the number of samples collected and the amount of material disposed for each area during each round of sampling and excavation. Sections 3.2.3 through 3.2.13 provide information regarding the excavation, sampling, results, off-site disposal, and backfilling specific to each area and round of excavation.

Implementation of the IM included the excavation and off-site disposal of soil and sediment contaminated with PCBs from the 10 excavation areas (not including support areas), which are displayed on Figure 3-1. Excavation areas were originally determined in the SWMU 13 IMWP, as shown on Figures 1-6 and 1-7. The Navy chose to complete additional removal actions at SWMU 13 not included in the SWMU 13 IMWP. Specifically, additional removal actions were completed in the Building 166 trenches and the Building 169 sump (Areas 1B and 5A on Figure 3-1, respectively). Disposal of sediment collected from the Building 166 trenches and sediment and debris from the demolition of the Building 169 sump is summarized in Areas 1B (Section 3.2.5) and 5A (Section 3.2.12), respectively. The total soil disposed of for Area 2 includes material from this sediment pile.

3.2.1 Verification Sampling Procedure

As discussed in Section 1.0, the cleanup goals for this SWMU 13 IM were the TSCA High Occupancy Standard (1 mg/kg) in surface soils (0 to 2 feet bgs) and drainage channels regardless of depth, and the TSCA Low Occupancy Standard (25 mg/kg) for subsurface soils (2 feet bgs and deeper). During excavation at Area 1A, the Navy decided to use the TSCA Low Occupancy Standard (25 mg/kg) as the cleanup goal for both surface soils (0 to 2 feet bgs) and subsurface soils (2 to 4 feet bgs) due to widespread PCB contamination greater than 1 mg/kg in Area 1A surface soil. Tetra Tech collected soil and sediment samples from within the excavation areas and wipe samples from the surfaces of cleaned culverts and trench drains to verify the removal of soils and sediments with PCB concentrations in excess of cleanup goals. Additionally, Tetra Tech collected samples from surface soils located beneath support facilities (decontamination pad, dewatering pad(s), and material storage area) and the surfaces of the temporary access roads after IMWP implementation was complete to ensure that IMWP implementation did not contaminate support facility areas.

Verification soil and sediment samples were composite samples as described in the QAPP (Tetra Tech, 2006). Each composite sample was made up of soil or sediment collected from four aliquots. The verification samples were analyzed for total PCBs. In the soil excavation areas, verification samples were collected from the excavation sidewalls and excavation floor at a minimum rate of one composite floor sample for every 1,000 square feet (sf) of exposed surface area, with one sample collected from each depth interval, and one composite sidewall sample for every 25 linear feet of exposed sidewall, with a minimum of one sample collected from each directionally facing sidewall. In the drainage channel excavations, verification samples were collected from the exposed drainage channel base and sidewalls and the exposed overflow area floors. Due to the irregular shape of the drainage channel excavation, two verification samples were collected from the exposed overflow floor areas located on each side of the channel, two verification samples were collected from the two exposed drainage channel sidewall surfaces, and one verification sample was collected along the exposed drainage channel base. These five verification samples, each containing four aliquots, made up one set of verification samples. At a minimum, one set of verification samples was collected from each drainage channel segment. Where the drainage channel length allowed, one set of verification samples was collected for every 100 linear feet of drainage channel excavation.

The frequency of verification samples collected from the soils located beneath the support facilities after IMWP implementation was completed was the same as that for excavation samples (one verification sample for every 1,000 square feet of area disturbed). Due to the nature of the support facilities, side wall samples were not included in the support facility verification sampling program. In addition, verification

samples were collected from the temporary access roads. Verification samples were collected at a rate of one composite sample for every 1,000 square feet of temporary access road. Each composite sample was made up of soil collected from four aliquots. A minimum of one verification sample was collected from each length of temporary access road. The results of these verification samples were evaluated to determine if PCB contamination was introduced to the temporary access trails or the surface soils below the foot print of the support facilities at concentrations greater than 1 mg/kg.

Verification wipe samples were collected from each end of all cleaned culverts and drain pipes. Verification wipe samples were also collected from the floors and walls of the trench drains that conveyed water from Building 171 to the sump located northwest of Building 171 at a rate of 3 wipe samples (1 on the floor of the trench and 1 from each trench wall) per every 50 feet of trench drain. Verification wipe sampling was not performed on the Building 166 trenches because Building 166 and its trenches were scheduled to be demolished by TolTest. All collected verification wipe samples were analyzed for total PCBs and the results of the verification wipe samples were compared to 10 µg of total PCB per 100 square centimeters. Procedures for the collection of wipe samples are presented in the QAPP (Tetra Tech, 2006).

3.2.2 Excavation, Off-Site Disposal, and Backfill Summary

Excavation at SWMU 13 began November 3, 2008, and was completed July 19, 2010. TolTest initially excavated to the proposed limits shown in the SWMU 13 IMWP. Tetra Tech collected verification samples as described above and in accordance with the IMWP, and completed field tests on the majority of the samples using Rapid Assay PCB test kits to determine whether the samples should be sent to a fixed-base laboratory or whether further excavation was required. If the results of the Rapid Assay PCB test kit indicated that the PCB concentration of a sample did not exceed the cleanup goal of 1 part per million (ppm) in a surface soil or sediment verification sample, or 25 ppm in a subsurface soil verification sample, Tetra Tech sent the sample to a fixed-base laboratory to confirm the result of the field test. Verification samples on which field tests were not completed were also sent to the fixed-base laboratory to determine PCB concentration. If the PCB concentration of a sample exceeded the cleanup goal, the Navy directed TolTest to expand the excavation. Tetra Tech then collected verification samples on the newly exposed excavation floors and sidewalls. This process continued until fixed-base laboratory verification sample results were below the cleanup goals. The Navy directed TolTest to backfill each excavation either using material from another part of the site or from an off-site source.

The final excavation limits for all 10 excavation areas are shown on Figure 3-1. Appendix B contains the fixed-base laboratory verification sample results, data validation reports, and chain of custody forms.

Appendix C contains tables that summarize the verification sample results by area. Appendix D contains Tetra Tech's sample logsheets. Appendix E contains both photocopied pages from Tetra Tech's field logbook and typed field notes summarizing the dates for which the field logbook was not available.

Waste disposal characterization of soil and sediments was based on in-situ sample results collected during historical investigations, which are summarized in the SWMU IMWP (Tetra Tech, 2008). The segregation and off-site disposal of excavated material was based on these in-place soil and sediment concentrations. These in-situ sample results were used to ensure that non-TSCA (≤50 mg/kg) and TSCA materials (>50 mg/kg) were segregated prior to disposal.

Off-site transportation of 4,161.1 tons of non-TSCA (< 50 mg/kg) soil/sediment and 1,353.89 tons of TSCA (≥ 50 mg/kg) soil/sediment excavated at SWMU 13 was completed by U.S. Bulk Transport, Inc. (Table 3-1). All weights included in this report are net weights (i.e. only for soil disposed) obtained from the Crane scale. Although TSCA landfill scale weights were provided on the manifests, a small number of non-TSCA landfill weight tickets could not be obtained from the landfill. To be consistent, Crane scale weights were used for both non-TSCA and TSCA soil even though TSCA landfill scale weights were known. See the table in Appendix H for detailed information regarding manifests. Non-TSCA soil/sediment was transported via dump truck to Sycamore Ridge Landfill in Pimento, Indiana. TSCA soil/sediment was transported via dump truck to Heritage Environmental Services, LLC in Roachdale, Indiana. As directed by the Navy, TolTest backfilled the majority of the excavation areas to the original, pre-excavation grades and regraded some areas to match the surrounding grade. As directed by the Navy, the majority of backfill TolTest used to fill the excavations at SWMU 13 was obtained from on-site sources. A total of 538.24 tons of backfill was transported by William Hanna Trucking, Inc. to SWMU 13 from Ingram Quarry in Springville, Indiana. TolTest only provided backfill weight tickets for material brought to the site June 25, 2009.

Appendix G contains the waste disposal facility permits. Appendix H contains a table with detailed information for each load of material disposed of from SWMU 13. Note that TolTest's daily reports (Appendix I) and manifests/weight tickets (Appendix J.1) were used in conjunction with Tetra Tech's field logbook (Appendix E) to assign each load to a specific area and excavation round. Appendix F.2 contains analytical results for off-site backfill and Appendix J.2 contains the backfill weight tickets provided by TolTest.

3.2.3 Area 1 (Building 166)

The following is a summary of the verification samples collected and the amount of material disposed of from Area 1:

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Water Disposed (gallons)	Incoming Backfill Material (tons)
1	1	18	18	13	0	233.79	5180	NA
1	2	8	8	6	0	186.89	0	NA
1	3	3	2	3	0	64.30	0	NA
1	Exploratory	7	4	5	0	0	0	None
Total	4	36	32	27	0	484.98	5180	0

Notes
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not applicable (material obtained from an on-site source).

3.2.3.1 Area 1 (Building 166), Round 1

Round 1 Excavation and Off-Site Disposal

TolTest completed the Area 1 initial excavation (Round 1) on November 3 through 5, 25, 26, and December 5, 2008. During Round 1, TolTest excavated soil to the limits indicated on Figure 3-2. This soil was hauled to the SWMU 13 stockpile located near Building 2502 for staging and off-site disposal at a later time.

On November 17 and December 29, 2008, nine loads and one load, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 233.8 tons of non-TSCA soil was removed for disposal during the initial excavation. The Navy directed TolTest to leave the Area 1 initial excavation open to allow Tetra Tech to collect verification samples and wait for the results of these samples before backfilling. On November 21, 25, December 23, 2008, and January 17, 2009, TolTest pumped approximately 5,180 gallons of water from the Area 1 excavation. This water was transported by Clean Harbors Environmental Services, Inc. to Spring Grove Resource Recovery, Inc. in Cincinnati, Ohio for disposal. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. More information about TolTest's Round 1, Area 1 site activities can be found in the November 3 through 5, 17, 21, 25, 26, December 5, 23, and 29, 2008, and January 17, 2009, daily reports (Appendix I).

Round 1 Verification Sample Collection and Results

On November 5 and December 3 and 5, 2008, Tetra Tech collected 18 verification composite samples, consisting of five floor samples and 13 wall samples, from the Area 1 initial excavation (Figure 3-2). The following is a list of the Area 1, Round 1 verification samples:

13SOCF001A	13SOCW005A
13SOCF002A	13SOCW006A
13SOCF003A	13SOCW007A
13SOCF016B	13SOCW008A
13SOCF026B	13SOCW009A
13SOCW001A	13SOCW010A
13SOCW002A	13SOCW011A
13SOCW003A	13SOCW012A
13SOCW004A	13SOCW013A

As indicated in the IMWP, each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. Based on the test kit results, the five floor samples and eight of the 13 wall samples were sent to the lab to confirm the results of the field tests. All five floor samples (13SOCF001A, 13SOCF002A, 13SOCF003A, 13SOCF016B, and 13SOCF026B) and five of the eight wall samples (13SOCW003A, 13SOCW004A, 13SOCW005A, 13SOCW011A, and 13SOCW012A) were verified clean by the fixed-base laboratory.

The results of the remaining field test kit and fixed-base laboratory samples (13SOCW001A, 13SOCW002A, 13SOCW006A through 13SOCW010A, and 13SOCW013A) contained concentrations of PCBs greater than the clean-up goals. Based on these results, the Navy directed TolTest to expand the excavation in the areas where these wall samples were collected. Appendix C.1 contains test kit and laboratory results for all samples collected at Area 1.

3.2.3.2 Area 1 (Building 166), Round 2

Round 2 Excavation and Off-Site Disposal

TolTest completed the Round 2 excavation November 25, 26, and December 5, 2008. Based on the Round 1 verification sample results discussed above, the excavation was expanded in the following directions, as shown on Figure 3-3:

- 2 feet southeast and southwest, beyond locations 13SOCW006A, 13SOCW007A, and 13SOCW010A;

- 4 feet north, beyond locations 13SOCW001A, 13SOCW002A, and 13SOCW013A; and,

- 13 feet of railroad track was removed to expand the excavation at locations 13SOCW008A and 13SOCW009A.

This soil was hauled to the SWMU 13 stockpile located near Building 2502 for staging and off-site disposal at a later time.

On December 29, 2008, a total of eight loads of non-TSCA stockpiled material were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 186.9 tons of non-TSCA soil was removed for disposal during the Round 2 excavation. The Navy directed TolTest to leave the excavation open to allow Tetra Tech to collect verification samples and wait for the results of these samples before backfilling. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. More information about TolTest's Area 1, Round 2 site activities can be found in the November 25, 26, December 5, and 29, 2008, daily reports (Appendix I).

Round 2 Verification Sample Collection and Results

On December 3 and 5, 2008, Tetra Tech collected eight verification samples, consisting of one floor sample and seven wall samples, from the Area 1, Round 2 excavation (Figure 3-3).

The following is a list of the Area 1, Round 2 verification samples:

13SOCF017A	13SOCW039A
13SOCW030A	13SOCW040A
13SOCW031A	13SOCW041A
13SOCW032A	13SOCW042A

Each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the samples should be sent to a fixed-base laboratory or whether further excavation was required. Based on the test kit results, the floor sample (13SOCF017A) and five of the seven wall samples (13SOCW030A,

13SOCW032A, 13SOCW039A, 13SOCW041A, and 13SOCW042A) were sent to the fixed-base laboratory to confirm the results of the field tests. All six samples were verified clean by the fixed-base laboratory.

The test kit results for samples 13SOCW031A and 13SOCW040A contained concentrations of PCBs greater than cleanup goals. Based on these results, the Navy directed Tetra Tech to collect step-out hand auger samples to determine the extent of contamination remaining at Area 1 after Round 2 prior to recommending any additional excavation. Appendix C.1 contains test kit and laboratory results for all samples collected at Area 1.

3.2.3.3 Area 1 (Building 166), Round 3

Step-out Sample Collection and Results

The Navy directed Tetra Tech to collect a total of nine step-out hand auger samples near sample locations 13SOCW031A and 13SOCW040A (Figure 3-4) to determine the extent of contamination remaining at Area 1 after Round 2 prior to completing Round 3 excavation. The step-out hand auger samples were collected December 18 and 30, 2008, and January 7, 2009.

The following is a list of the Area 1, Round 3 exploratory samples:

13SOCW043A	13SOCW059A
13SOCW044A	13SOCW060A
13SOCW045A	13SOCW061A
13SOCW053A	13SOCW062A
13SOCW058A	

Composite samples 13SOCW058A, 13SOCW059A, 13SOCW060A, 13SOCW061A, 13SOCW062A, and 13SOCW073A were field-tested using the Rapid Assay PCB Test Kit to determine whether the samples should be sent to a fixed-base laboratory or whether further excavation was required. Composite samples 13SOCW043A, 13SOCW044A, 13SOCW045A, and 13SOCW053A were not field-tested and were sent directly to the fixed-base laboratory. Seven of the nine step-out hand auger samples were sent to the fixed-base laboratory for verification. The two remaining step-out samples (13SOCW058A and 13SOCW059A) were not sent to the fixed-base laboratory for verification because step-out samples collected beyond them were sent to the lab. Three step-out hand auger samples (13SOCW043A, 13SOCW060A, and 13SOCW061A) were verified clean by the laboratory; the remaining samples exceeded criteria.

In the southwest portion of Area 1, the fixed-base laboratory results for 13SOCW043A and 13SOCW060A contained PCB concentrations less than clean-up goals. In the northwest portion of Area 1, the fixed-base laboratory results for 13SOCW062A (the furthest step-out sample) contained PCB concentrations above cleanup goals. Based on these results, the Navy directed TolTest to expand the excavation in these areas, as described below.

Round 3 Excavation and Off-Site Disposal

TolTest completed the Round 3 excavation on January 17 and 19, 2009, based on the results of the Round 2 verification samples and the step-out samples. The Navy directed TolTest to expand the excavation in the following directions, and as shown on Figure 3-4:

- Two feet bgs to samples 13SOCW043A and 13SOCW060A; and,
- Two feet bgs 2 feet northwest of sample13SOCW062A.

Soil excavated January 17, 2009, was hauled to the SWMU 13 stockpile located near Building 2502 for staging and off-site disposal at a later time. Soil excavated January 19, 2009, was hauled directly to the landfill.

On January 19, 2009, three loads of non-TSCA soil, containing both the stock-piled material and direct-loaded material, were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 64.3 tons of non-TSCA soil was removed for disposal during Round 3 excavation. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. More information about TolTest's Round 3, Area 1 site activities can be found in the January 17 and 19, 2009, daily reports (Appendix I).

Round 3 Verification Wall Sample Results

On December 18, 2008, January 7, and 22, 2009, Tetra Tech collected a total of three Round 3 verification samples. Two of these verification samples were step-out hand auger samples used as Round 3 verification samples and one was a wall sample collected from the excavation expanded northwest, beyond 13SOCW062A.

The following is a list of the Area 1, Round 3 verification samples:

13SOCW043A	13SOCW060A	13SOCW073A

13SOCW043A was sent to the fixed-base laboratory without completing a field test. Samples 13SOCW060A and 13SOCW073A were field-tested using the Rapid Assay PCB Test Kit to determine whether to send the samples to a fixed-base laboratory or whether further excavation was required. Although the test kit results for 13SOCW073A were above the clean-up goal, the sample was sent to the fixed-base laboratory for verification.

All three samples were sent to the fixed-base laboratory. Both 13SOCW043A and 13SOCW060A were verified clean by the fixed-base laboratory. The fixed-base laboratory result for 13SOCW073A (420 ppm) was significantly higher than the previous maximum sample result in this area (24 ppm at 13SOCW001A). The Navy directed Tetra Tech to develop a sampling plan to address the remaining contamination at Area 1. This sampling plan resulted in the development of a new excavation area, described as Area 1A. Activities performed at Area 1A are discussed in Section 2.3.4 of this report.

Figure 3-5 shows Area 1 final excavation limits, the IMWP proposed excavation limits, and verification sample results used to define the final excavation extent. The survey provided by TolTest was a grading limit survey, not a final excavation limit survey. Therefore, the final excavation limits and locations of all verification samples were determined using a combination of global positioning system (GPS) points collected by Tetra Tech, Tetra Tech field sketches and notes, and survey data provided by TolTest. Appendix C.1 contains test kit and laboratory results for all samples collected at Area 1. Table 3-2 contains laboratory sample results used to verify that the final excavation limits were below the cleanup goals at Area 1.

Area 1 Excavation Backfilling

On February 3, 2009, TolTest was directed by the Navy to use material obtained from a source near the excavation as backfill; no backfill material was brought from off-site to fill the Area 1 excavation. Geotextile was placed in the area of the excavation near 13SOCW073A to separate clean backfill from contaminated soil at this location. See the February 3, 2009, daily report in Appendix I for more information.

3.2.4 Area 1A (Building 166 Additional Excavation)

The following is a summary of the verification samples collected and the amount of material disposed of from Area 1A:

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Non-TSCA Water Disposed (gallons)	Incoming Backfill Material (tons)
1A	1	22	0	22	46.49	416.64	6900	333.63
1A	2	6	0	6	0	6.63	0	NA
1A	3	3	0	3	2.12	0	0	NA
1A	Exploratory	78	43	10	0	0	0	None
Total	4	109	43	41	48.61	423.27	6900	333.63

Notes
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.4.1 Area 1A (Building 166 Additional Excavation), Round 1

Exploratory Sampling

The Navy directed Tetra Tech to develop a sampling plan to delineate the extent of the contamination remaining at Area 1 (Area 1A), particularly in the area around sample 13SOCW073A. In addition to the remaining contamination at 13SOCW073A, the sampling plan included sampling in an area to determine whether soil graded into the excavation included contaminated soil.

Figure 3-6 shows the approximate location of the 34 direct-push technology (DPT) borings collected to delineate the extent of contamination at Area 1A. Ten of these borings were located in the Area 1 excavation, which was backfilled with on-site material. The remaining 24 borings were located in areas that had not been excavated previously. This sampling plan resulted in the development of the Area 1A excavation limits (Figure 3-7).

On April 8, 2009, Tetra Tech collected 68 DPT samples at 34 locations (one sample from 0- to 2 feet bgs and one sample from 2- to 4 feet bgs at each location). The following is a list of the 48 DPT Exploratory Samples collected from Area 1A:

13SB1090002	13SB1150002	13SB1210002	13SB1270002
13SB1090204	13SB1150204	13SB1210204	13SB1270204
13SB1100002	13SB1160002	13SB1220002	13SB1280002
13SB1100204	13SB1160204	13SB1220204	13SB1280204
13SB1110002	13SB1170002	13SB1230002	13SB1290002
13SB1110204	13SB1170204	13SB1230204	13SB1290204
13SB1120002	13SB1180002	13SB1240002	13SB1300002
13SB1120204	13SB1180204	13SB1240204	13SB1300204
13SB1130002	13SB1190002	13SB1250002	13SB1310002
13SB1130204	13SB1190204	13SB1250204	13SB1310204
13SB1140002	13SB1200002	13SB1260002	13SB1320002
13SB1140204	13SB1200204	13SB1260204	13SB1320204

The following is a list of the 20 DPT samples collected from Area 1 backfill:

13SB1330002	13SB1350204	13SB1380002	13SB1400204
13SB1330204	13SB1360002	13SB1380204	13SB1410002
13SB1340002	13SB1360204	13SB1390002	13SB1410204
13SB1340204	13SB1370002	13SB1390204	13SB1420002
13SB1350002	13SB1370204	13SB1400002	13SB1420204

The 34 samples collected from 0- to 2 feet bgs were field-tested using the Rapid Assay PCB Test Kit. If the outcome of the field test was a non-detect result, then the sample taken from 2- to 4 feet bgs at the same location was not field-tested. If the field-test on the 0- to 2 foot bgs sample resulted in a PCB detection, then the 2- to 4 feet bgs sample from the same location was field-tested.

PCBs were detected in nine of the 34 samples from 0- to 2 feet bgs (13SB1110002, 13SB1220002, 13SB1290002, 13SB1320002, 13SB1360002, 13SB1370002, 13SB1380002, 13SB1390002, and 13SB1410002). Five of these detections were from Area 1 backfill samples (13SB1360002, 13SB1370002, 13SB1380002, 13SB1390002, and 13SB1410002) and four were from exploratory samples (13SB1110002, 13SB1220002, 13SB1290002, and 13SB1320002). PCBs were not detected in any of the samples from 2- to 4 feet bgs. Based on the test kit results for these nine 0- to 2 feet bgs samples and the sample collected in Area 1 during Round 3 (13SOCW073A), the Navy directed TolTest to excavate the areas shown on Figure 3-7. The Navy determined that they would not be able to obtain residential cleanup levels at Area 1A in a cost-effective manner, so the industrial cleanup goal of 25 ppm for both surface and subsurface soil was used at Area 1A. Appendix C.2 contains test kit and laboratory results for all samples collected at Area 1A.

Round 1 Excavation and Off-Site Disposal

On June 8, 2009, TolTest completed excavation to remove all the TSCA soil prior to completing the remaining Area 1A initial excavation (Figure 3-7). Two loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal.

TolTest completed the remaining Area 1A initial excavation (Round 1) on June 8, 17, 18, and 23, 2009. TSCA-regulated soil was excavated on June 8, 2009; the remaining soil excavated was non-TSCA. During the Round 1 excavation, TolTest excavated soil to the limits indicated on Figure 3-7. All soil excavated was direct-loaded for transport to the landfill. On June 17, 18, and 23, 2009, 18 total loads (10, five, and three, respectively, on each day) of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal.

A total of 46.49 tons of TSCA soil and 416.64 tons of non-TSCA soil were removed for disposal during the initial excavation. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the June 8, 17, 18, and 23, 2009, daily reports for more information about TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

The Navy directed Tetra Tech to collect five verification samples (13SOCF056C and 13SOCW076A through 13SOCW079A), the locations of which are shown on Figure 3-7, to confirm that all TSCA soil had been removed prior to completing the remaining Area 1A excavation. These samples were considered exploratory samples because additional excavation was necessary in this area to remove all contaminated soil present above the cleanup goal.

On June 17 and 23, 2009, Tetra Tech collected 22 verification composite samples, consisting of 5 floor and 17 wall samples, from the remaining Area 1A initial excavation (Figure 3-7). The following is a list of the Area 1A, Round 1 verification samples:

13SOCF057C	13SOCW083A	13SOCW095A
13SOCF058C	13SOCW084A	13SOCW096A
13SOCF059C	13SOCW085A	13SOCW097A
13SOCF061C	13SOCW086A	13SOCW098A
13SOCF062C	13SOCW087A	13SOCW099A
13SOCW080A	13SOCW088A	13SOCW100A

13SOCW081A	13SOCW089A	
13SOCW082A	13SOCW090A	

Samples were sent to the fixed-base laboratory without completing field tests. All 5 floor samples (13SOCF057C, 13SOCF058C, 13SOCF059C, 13SOCF061C, and 13SOCF062C) and 16 of the 17 wall samples were verified clean using the preliminary results from the fixed-base laboratory. One wall sample (13SOCW084A) contained concentrations of PCBs greater than the cleanup goal. The Navy directed TolTest to expand the excavation in this location. Appendix C.2 contains test kit and laboratory results for all samples collected at Area 1A.

Although the preliminary result for sample 13SOCF061C was below the cleanup goal of 25 ppm, the final validated result for the sample indicated that the PCB concentration (26 ppm) was greater than the cleanup goal. Due to the slight exceedance of the TSCA Low Occupancy standard and the fact that the location is a floor sample covered with 2 feet of clean fill, the Navy determined that further excavation at this location was not necessary.

Round 1 Backfilling

The excavation was left open until verification sample results were received. While open, the excavation filled with rain water. TolTest pumped 6,900 gallons of water from the excavation on June 22, 2009, and placed it in a holding tank. On July 31, 2009, this water was transported by Clean Harbors Environmental Services, Inc. to Spring Grove Resource Recovery, Inc. in Cincinnati, Ohio (Appendix J.1).

On June 25, 2009, 15 loads (333.63 tons) of off-site backfill were delivered to SWMU 13 by William Hanna Trucking, Inc. and used as backfill in the Area 1A excavation. Prior to backfilling, filter fabric was placed in the portion of the excavation that exceeded the cleanup goal (13SOCW84). Backfill weight tickets are provided in Appendix J.2 and backfill analytical results are provided in Appendix F.2. More information about TolTest's Round 1, Area 1A backfilling and water disposal activities can be found in the June 25 and July 31, 2009, daily reports (Appendix I).

3.2.4.2 Area 1A (Building 166 Additional Excavation), Round 2

Round 2 Excavation and Off-Site Disposal

TolTest completed the Area 1A Round 2 excavation on July 31, 2009. During the Round 2 excavation, TolTest excavated soil to the following limits, as indicated on Figure 3-8:

- Two feet bgs northeast beyond the location of 13SOCW084.

All soil excavated was direct-loaded for transport to the landfill. On July 31, 2009, one load of non-TSCA soil was transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. The excavation was backfilled June 25, 2009, with material brought from off-site prior to obtaining verification sample results. This area was later re-excavated so Tetra Tech could collect the Round 2 verification samples.

A total of 6.63 tons of non-TSCA soil was removed for disposal during the Round 2 excavation. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. More information about TolTest's Round 2, Area 1A site activities can be found in the July 31, 2009, daily report (Appendix I).

Round 2 Verification Sample Collection and Results

On July 31, 2009, Tetra Tech collected six verification composite samples, consisting of one floor and five wall samples, from the Area 1A, Round 2 excavation (Figure 3-8). The following is a list of the Area 1A, Round 2 verification samples:

13SOCF063
13SOCW101
13SOCW102
13SOCW103
13SOCW104
13SOCW105

Round 2 verification composite samples were sent to the fixed-base laboratory without completing field tests. One floor sample (13SOCF063) and four of five wall samples were verified clean. The results for sample 13SOCW101 indicated concentrations of PCBs greater than the cleanup goal. On August 31, 2009, samples 13SOCW106A through 13SOCW110A were collected in the same locations as samples 13SOCW101 through 13SOCW105 to verify that the laboratory results for 13SOCW101 through 13SOCW105 were correct. Samples 13SOCW106A through 13SOCW110A are considered exploratory samples and the results are summarized in Appendix C.2.

Based on the laboratory analytical results for 13SOCW101 and 13SOCW106A (confirmation sample), the Navy directed Tetra Tech to collect exploratory step-out samples to determine the extent of contamination

remaining near sample 13SOCW101. Appendix C.2 contains test kit and laboratory results for all samples collected at Area 1A.

It was not known at the time the exploratory step-out samples were collected that a 1 to 3 foot-wide area of soil remained between the initial excavation shown on Figure 3-7 and the Round 2 excavation shown on Figure 3-8. This was determined after the step-out samples were collected.

3.2.4.3 Area 1A (Building 166 Additional Excavation), Round 3

Exploratory Sample Collection and Results

On September 9, 2009, Tetra Tech collected three step-out hand auger samples to determine the extent of contamination (Figure 3-9). Based on the results of the step-out samples, Tetra Tech determined that there was a 1 to 3 foot-wide area that had not been excavated. The following is a list of Area 1A, exploratory step-out samples:

13SOCW11A	13SOCW112A	13SOCW113A

Samples were sent to the fixed-base laboratory without completing field tests. All three step-out samples were verified clean by the fixed-base laboratory. Based on the laboratory results, the Navy directed TolTest to expand the excavation as detailed below.

Round 3 Excavation and Off-Site Disposal

TolTest completed the Area 1A Round 3 excavation September 30, 2009. During the Round 3 excavation, TolTest excavated a 4-foot-wide volume of soil between the previous Round 1 and Round 2 Area 1A excavations (Figure 3-9) to address the exceedance associated with sample 13SOCW101.

All soil excavated was TSCA and was loaded into wrangler bags for disposal at a later date. On October 5, 2009, the wrangler bags containing the soil excavated September 30, 2009, were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. The excavation was graded using backfill material delivered from off-site on June 25, 2009.

A total of 2.12 tons of TSCA soil was removed for disposal during the Round 3 excavation. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. More information on TolTest's Round 3, Area 1A site activities can be found in the September 30, 2009, daily report (Appendix I).

Round 3 Verification Sample Collection and Results

No Round 3 verification samples were required at Area 1A because the exploratory samples (13SOCW111A through 13SOCW113A) were used to verify that final excavation limits were below the cleanup goal at Area 1A.

Figure 3-10 shows the Area 1 and 1A final excavation limits and verification sample results used to define the final excavation extent. TolTest did not provide a final excavation limit survey for the Area 1A excavation. The final excavation limits and verification sample locations were determined using a combination of Tetra Tech's field measurements, sketches, and notes. Appendix C.2 contains test kit and laboratory results for all samples collected at Area 1A. Table 3-3 contains laboratory sample results used to verify that final excavation limits shown on Figure 3-10 were below the cleanup goal at Area 1A.

3.2.5 Area 1B (Building 166 Trenches)

The following is a summary of the samples collected and the amount of material disposed of from Area 1B:

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)	Non-TSCA Material Disposed (tons)	Incoming Backfill Material (tons)
1B	1	3	3	0	0	47.60	0
Total	1	3	3	0	0	47.60	0

3.2.5.1 Area 1B (Building 166 Trenches), Round 1

Round 1 samples

On January 22, 2009, Tetra Tech collected three exploratory sediment samples (13SD079, 13SD080, and 13SD081) from trenches inside Building 166 to determine the limit of trench clean-out prior to building demolition. The locations of these samples are shown on Figure 3-11.

These three sediment samples were field-tested using the Rapid Assay PCB test kit. Because these three sediment samples were only collected for informational purposes, they were not sent to a fixed-base laboratory for verification. Two of three sediment samples collected (13SD079 and 13SD080) contained PCB concentrations greater than the cleanup goal. The test kit results for all Area 1B samples are summarized in Table 3-4 and Appendix C.3. Based on the test kit results for samples 13SD079,

13SD080, and 13SD081, the Navy directed TolTest to clean out the Building 166 trenches up to location 13SD081 (Figure 3-11) and dispose of the material in an off-site landfill

Building 166 and its trenches were eventually demolished by TolTest.

Round 1 Excavation and Off-Site Disposal

TolTest, Inc. completed the Area 1B Round 1 excavation January 22, 2009. During the Round 1 excavation, TolTest excavated all sediment from the Building 166 trenches (Figure 2-11). Two loads of sediment were excavated on January 22, 2009, and direct loaded for transport to the landfill. On January 22, 2009, the two loads of non-TSCA sediment were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 47.60 tons of non-TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

3.2.6 Area 2 (Building 171)

The following is a summary of the samples collected and the amount of material disposed of from Area 2. As discussed in Section 3.1, the Building 171 sediment pile (Figures 1-6 and 1-7) was loaded and disposed of with material from the Building 171 excavation. The Round 1 totals below include the disposal of this material.

Area	Excavation Round	Samples Collected[1]	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[2]	Non-TSCA Material Disposed (tons)[2]	Non-TSCA Water Disposed (gallons)	Incoming Backfill Material (tons)
2	1	40	31	37	545.71	836.83	5200[3]	103.34
2	2	11	6	9	298.47	182.78	0	NA
total	2	51	37	46	844.18	1,019.61	5200[1]	103.34

Notes
1 Number of samples collected includes aliquots that were tested separately.
2 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
3 Gallons were estimated based on the weight listed on the manifest.
NA Not Applicable (material obtained from an on-site source).

3.2.6.1 Area 2 (Building 171), Round 1

Round 1 Excavation and Off-Site Disposal

TolTest completed the Area 2 initial excavation (Round 1) on November 6, 7, 10, 12, and 17, and December 1 through 4, 22, 23, 29, and 30, 2008. TolTest was on-site at Area 2 for a portion of the Round 1 excavation December 18, 2009; however, they only excavated an area that Tetra Tech needed to re-sample (13SOCF021A) and did not dispose of any soil during this time. There was no daily report provided for this date. This area is discussed in the Round 1 Supplemental Sample Collection and Results section below.

During the Round 1 excavation, TolTest excavated soil to the limits indicated on Figure 3-12 and removed the sediment pile located in the Building 171 tramway (Figures 1-6 and 1-7). Soil excavated November 10, December 22, 23, and 29, 2008, was hauled to the SWMU 13 stockpile located near Building 2502 for staging and off-site disposal at a later time. Soil excavated on November 6, 7, 10, 12, 17, and December 1 through 4, 22, and 30, 2008, was direct-loaded for transport to the landfill.

On November 6, 7,10, 12, and December 22, 2008, a total of 23 loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 844.18 tons of TSCA soil was disposed of during Round 1. On November 17, December 1 through 4, 23, and 30, 2008, a total of 36 loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 1019.61 tons of non-TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

On November 12, and 20, and December 4, 22, 23, and 30, 2008, Tetra Tech collected a total of 35 verification composite soil samples from the Area 2 initial excavation, consisting of 16 floor samples and 19 wall samples (Figure 3-12). The following is a list of the Area 2, Round 1 samples:

13SOCF004A	13SOCW016A
13SOCF005A	13SOCW017A
13SOCF006A	13SOCW018A
13SOCF007A	13SOCW019A
13SOCF008A	13SOCW020A

13SOCF012A	13SOCW021A
13SOCF018A	13SOCW024A
13SOCF019A	13SOCW025A
13SOCF020A	13SOCW026A
13SOCF021A	13SOCW027A
13SOCF022A	13SOCW033A
13SOCF023A	13SOCW034A
13SOCF024A	13SOCW035A
13SOCF028A	13SOCW036A
13SOCF029A	13SOCW037A
13SOCF030A	13SOCW038A
13SOCW014A	13SOCW052A
13SOCW015A	

Soil samples collected December 22, 23, and 30, 2008 (13SOCF028A, 13SOCF029A, 13SOCF030A, and 13SOCW052A), were not field-tested using the Rapid Assay PCB Test Kit. The remaining 13 composite floor samples and 18 composite wall samples were field-tested to determine whether to send the sample to a fixed-base laboratory or whether further excavation was required. The following 11 composite floor samples and nine composite wall samples were verified clean by the fixed-base laboratory:

13SOCF004A	13SOCF030A
13SOCF006A	13SOCW017A
13SOCF007A	13SOCW018A
13SOCF008A	13SOCW019A
13SOCF012A	13SOCW025A
13SOCF018A	13SOCW026A
13SOCF019A	13SOCW033A
13SOCF020A	13SOCW034A
13SOCF022A	13SOCW036A
13SOCF024A	13SOCW037A

The results of the remaining field test and fixed-base laboratory samples (13SOCF005A, 13SOCF021A, 13SOCF023A, 13SOCF028A, 13SOCF029A, 13SOCW014A, 13SOCW015A, 13SOCW016A, 13SOCW020A, 13SOCW021A, 13SOCW024A, 13SOCW027A, 13SOCW035A, 13SOCW038A, and 13SOCW052A) indicated PCB concentrations greater than cleanup goals. Both the test kit and preliminary lab results for 13SOCF021A indicated that the PCB concentration was below the 25 ppm

cleanup goal for floor samples; however, the final validated laboratory result (180 ppm) was above the cleanup goal. The excavation was backfilled prior to obtaining these final results.

Round 1 Supplemental Sample Collection and Results

After obtaining the final validated verification sample results for sample 13SOCF021A (180 mg/kg), it was determined that further sampling was necessary at this location. Using a global positioning system, Tetra Tech relocated the positions of the four aliquots comprising 13SOCF021A. Tetra Tech hand augered through the top 2 ft of clean fill and collected four more soil grab samples from these relocated positions to represent the same area as the original composite sample 13SOCF021A. The four new grab samples were combined into new composite sample 13SOCF064. This composite sample, 13SOCF064, was sent to the fixed-base laboratory on December 18, 2009. The analysis of this composite sample indicated PCB concentrations greater than the cleanup goal.

On January 28, 2010, the four aliquots of composite 13SOCF064 (13SOF064A, 13SOF064B, 13SOF064C, and 13SOF064D) were sent to the fixed-base laboratory to delineate the remaining contamination. Based on the laboratory results, Tetra Tech determined that PCB contamination above the cleanup goal was present only in the area represented by aliquot 13SOF064D (Figure 3-12).

Based on the results of the Round 1 and Round 1 Supplemental Samples, the Navy directed Tetra Tech to collect the following exploratory data to delineate the remaining contamination prior to recommending further excavation:

- Collect samples 1 to 2 feet beyond the edge of the excavation near locations 13SOCW024A, 13SOCW027A, 13SOCW035A, and 13SOCW038A; and

- Complete field test kits on aliquots B and C from sample 13SOCF029A to verify that these two aliquots (adjacent to the road) are clean.

Exploratory Sample Collection and Results

On December 18, 2008, Tetra Tech collected four exploratory step-out hand auger samples to delineate the remaining contamination prior to the Round 2 excavation (Figure 3-13). The following is a list of the Area 2 exploratory samples:

13SOCW046A	13SOCW048A
13SOCW047A	13SOCW049A

The four samples were sent to the fixed-base laboratory without completing field tests. Two samples (13SOCW046A and 13SOCW048A) were verified clean by the fixed-base laboratory. The results of the remaining two fixed-base laboratory samples (13SOCW047A and 13SOCW049A) contained PCB concentrations greater than the cleanup goal.

Based on the test kit and laboratory results for the Round 1, Round 1 Supplemental, and exploratory samples, the Navy directed TolTest to expand the excavation as detailed in Section 3.2.6.2. Appendix C.4 contains test kit and laboratory results for all samples collected at Area 2.

Round 1 Backfilling

The excavation was left open until verification sample results were received. On November 21 and November 25, 2008, TolTest pumped 5,200 gallons (approximated based on the weight listed on the manifest) of rain water that had accumulated in the Area 2 excavation while awaiting verification sample results. This water was stored in a holding tank until January 20, 2009, when it was transported by Clean Harbors Environmental Services, Inc. to Spring Grove Resource Recovery, Inc. in Cincinnati, Ohio (Appendix J.1).

On December 29 and 30, 2008, and January 2, 2009, TolTest used on-site material to backfill the portions of the Round 1 excavations verified clean by the fixed-base laboratory. See the daily reports for these dates for more information (Appendix I).

TolTest's December 5, 2008, daily report indicates that a total of 103.34 tons of backfill were brought to SWMU 13 December 3, 2008, most likely from an on-site source. The December 3, 2008 daily report does not indicate where this fill was placed, but Tetra Tech determined it was most likely placed in the Area 2, Round 1 excavation after verification sample results came back below the cleanup goal. No backfill weight tickets were provided for this material and therefore it appears this material was from an on-site source.

3.2.6.2 Area 2 (Building 171), Round 2

Round 2 Excavation and Off-Site Disposal

TolTest completed the Area 2, Round 2 excavation on December 3, 22, 23, 29, and 30, 2008, and on January 5 through 7, 2009. Based on the results of the Round 1 and Round 1 Supplemental verification samples, the excavation was expanded as follows:

- From 2 to 4 feet bgs at sample 13SOCF023A;
- Two feet bgs, between samples 13SOCW014A, 13SOCW015A, and 13SOCW016A and the edge of the road;
- From 2 to 3 feet bgs at sample 13SOCF005A;
- From 2 to 4 feet bgs at sample 13SOCF028A and aliquots A and D from sample 13SOCF029A (the two adjacent to sample 13SOCF028A);
- Two feet bgs 2 feet west of sample 13SOCW052A; and
- Two feet bgs 1 foot northwest of samples 13SOCW020A and 13SOCW021A; however, during this excavation, TolTest discovered a culvert and this area became part of Area 3 (Building 171 East Drainage Channel). All further excavation at these locations is discussed in Section 3.1.7.

Based on the results of the exploratory step-out samples, the excavation was expanded as follows:

- Two feet bgs from the initial excavation limits to 1 foot southeast of the initial excavation limits to the location of step-out sample 13SOCW046A;
- Two feet bgs from the initial excavation limits to 2 feet north of the initial excavation limits to the location of step-out sample 13SOCW048;
- Two feet bgs to the edge of the asphalt road beyond sample 13SOCW049A; and,
- Two feet bgs to the edge of the concrete pad and metal walkway beyond 13SOCW047A.

Further excavation completed based on the Round 1, Round 1 Supplemental, and exploratory step-out samples, as described above, is shown on Figure 3-13. Further excavation completed at 13SOF064D is shown on the Area 2A figures (3-15 to 3-21).

Soil excavated December 22, 23, and 29, 2008 and January 5 and 6, 2009, was hauled to the SWMU 13 stockpile located near Building 2502 for staging and off-site disposal at a later time. Soil excavated December 3, 22, 23, and 30, 2008, and January 7, 2009, was direct-loaded for transport to the landfill.

On December 3 and 22, 2008, and January 6 and 7, 2009, 13 loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 298.47 tons of TSCA soil were disposed of during Round 2. On December 3, 29, and 30, 2008, eight loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 182.78 tons of non-TSCA soil was disposed of during Round 2. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 2 Verification Sample Collection and Results

On December 4, and 22, 2008, and January 7, 2009, Tetra Tech collected verification samples, consisting of four composite floor samples, and one composite wall sample from the Area 2, Round 2 excavation (Figure 3-13). Because the exploratory step-out samples 13SOCW046A and 13SOCW048A were verified clean (discussed in 3.2.6.1, Exploratory Sample Collection and Results), they were used as final Round 2 verification samples and are included in the list below. The following is a list of the Area 2, Round 2 verification samples:

13SOCF025B	13SOCW046A
13SOCF027B	13SOCW048A
13SO2CF029A	13SOCW054A
13SOCF031B	

The composite sample collected on December 22, 2008 (13SOCF027B), was not field-tested using the Rapid Assay PCB Test Kit. Four samples (13SOCF025B, 13SO2CF029A [aliquots B and C from Round 1 sample 13SOCF029A], 13SOCF031B, and 13SOCW054A) were field-tested to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. All five composite samples were sent to the fixed-base laboratory to verify the results of the field tests and to

obtain results for samples not field tested. The four floor samples (13SOCF025B, 13SOCF027B, 13SO2CF029A, and 13SOCF031B) and one wall sample (13SOCW054A) were verified clean by the fixed-base laboratory.

See Figure 3-13 for the expanded excavation limits based on Round 1 verification samples, exploratory step-out samples, and Round 2 verification samples. No Round 3 verification samples were collected after further excavation beyond exploratory step-out samples 13SOCW047A and 13SOCW049A because the excavation limits were at the edge of the asphalt road or the concrete pad (Figure 3-13).

Figure 3-14 shows the Area 2 final excavation limits, the IMWP proposed excavation limits, and verification sample results used to define the final excavation extent. The final excavation survey provided by TolTest was partially a grading limit survey and partially a final excavation limit survey. Therefore, the final excavation limits and locations of all verification samples were determined using a combination of GPS points collected by Tetra Tech, Tetra Tech's field sketches and notes, and survey data provided by TolTest. Appendix C.4 contains test kit and laboratory results for all samples collected at Area 2. Table 3-5 contains laboratory sample results used to verify that final excavation limits were below the cleanup goals at Area 2.

Following completion of the Area 2 excavation, PCB contamination remained at location 13SOF064D. Due to the complexity of the excavation, further excavation at this location is summarized on the Area 2A, Figures 3-15 to 3-21. All other contamination discovered at Area 2 was removed; thus, no Round 3 samples were collected.

Round 2 Backfilling

On January 2, 20, and 21, 2009, TolTest used on-site material to backfill the Round 2 excavation. See the daily reports for these dates for more information (Appendix I). It was later determined that a small mound of soil between the road and Area 2 samples 13SOCW036 and 13SOCW037 contained PCB concentrations greater than the cleanup goal. Some of the contamination found in this area during the Area 2A sampling was attributed to a small amount of contaminated material being placed during site grading and backfilling. See Section 3.2.7 for more information.

3.2.7 Area 2A (Building 171 Additional Excavation)

The following is a summary of the samples collected and the amount of material disposed of from Area 2A.

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Incoming Backfill Material (tons)
2A	1	4	2	2	20.66	89.76	NA
2A	2	5	0	5	91.25	0	NA
2A	3	32	32	30	236.23	208.46	NA
2A	4	8	5	8	17.85	192.90	NA
2A	5	3	2	3	0	41.20	NA
2A	Exploratory	117	16	101	0	0	None
Total	6	169	57	149	365.99	532.32	NA

Notes
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source, or source unknown).

3.2.7.1 Area 2A (Building 171 Additional Excavation), Round 1

Round 1 Excavation and Off-Site Disposal

Area 2A initial excavation limits were established around the Area 2 grab sample aliquot (13SOF064D) that exceeded the cleanup goal. As discussed in Section 3.2.6.1, Tetra Tech hand augured through the fill to a depth of 2 ft bgs to collect four new grab samples at the same locations as the four grab samples comprising composite sample 13SOCF021A. Sample 13SOCF021A had been collected previously and exhibited elevated PCB concentrations. A new composite sample was formed from these four new grab samples and was labeled 13SOCF064A.

On March 15 through 19, 2010, TolTest completed the Area 2A initial excavation to 3 feet bgs, as shown on Figure 3-15. The Area 2A initial excavation consisted of only three walls because what would have been a fourth wall bordered the Area 2 excavation that had been verified to be clean (Figure 3-15). The top two feet of non-TSCA soil was excavated on March 15 and 16, 2010, and direct-loaded for transport to the landfill. TSCA soil from 2 to 3 feet bgs was excavated on March 17, 2010, and direct-loaded for transport to the landfill. The daily reports for March 18 and 19, 2010, indicate that Toltest completed work at Building 171 on these dates. Because Toltest did not transport any soil to a landfill during this time, it is concluded that this work was not excavation related (i.e. site clean up and grading).

On March 15 and 16, 2010, four loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 89.76 tons of non-TSCA soil was disposed of during Round 1. On March 17, 2010, one load of TSCA soil was transported by U.S. Bulk

Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 20.66 tons of TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

On March 18 and 31, 2010, Tetra Tech collected four verification composite samples, consisting of one floor sample and three wall samples, from the Area 2A initial excavation (Figure 3-15). No samples were collected from 0 to 2 feet bgs because the top 2 feet of soil in this area consisted of clean backfill placed during the Area 2 excavation. The top two feet of soil in the area along the road, where contaminated backfill had been placed, was later sampled. Because backfill in other areas of the Area 2 excavation was not from the same on-site source as the backfill along the road, it was determined to be clean. The following are the Area 2A, Round 1 verification samples:

13SOCF073	13SOCW119	13SOCW120	13SOCW121

Composite samples 13SOCF073 and 13SOCW119 were not field-tested using the Rapid Assay PCB Test Kit. Composite samples 13SOCW120 and 13SOCW121 were field-tested to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. Samples 13SOCF073 and 13SOCW119 were sent to the fixed-base laboratory. The results of the field test kit and fixed-base laboratory analysis indicated that all four samples contained PCB concentrations greater than cleanup goals.

Based on the test kit and laboratory results from 13SOCF073A and 13SOCW119 through 13SOCW121, the Navy directed Tetra Tech to collect exploratory step-out hand auger samples to determine the extent of contamination and to guide the excavation.

On March 31, 2010, Tetra Tech collected 16 exploratory hand auger samples (13SOCF075 through 13SOCF090) to delineate contamination surrounding samples 13SOCW119, 13SOCW120, and 13SOCW121. Samples were collected just below the top 2 feet of backfill. Field test kits were completed on the 16 samples and the results were used to determine the Round 2 excavation limits. Test kit results for these 16 samples are summarized in Appendix C.5.

3.2.7.2 Area 2A (Building 171 Additional Excavation), Round 2

Round 2 Excavation and Off-Site Disposal

On April 16, 2010, TolTest completed the Area 2A, Round 2 excavation based on the results of the Round 1 and exploratory hand auger samples. The excavation was expanded to the following limits, as shown on Figure 3-16:

- Approximately 10 feet northeast from sample location 13SOCW119;
- Approximately 15 feet southeast from sample location 13SOCW121; and,
- From 3 to 5 feet bgs over the entire excavation floor (including newly exposed floor).

No further excavation at sample location 13SOCW120 was completed due to the presence of a water line. The soil excavated was direct-loaded for transport to the landfill.

On April 16, 2010, four loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 91.25 tons of TSCA soil was disposed of during Round 2. Documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily report for April 16, 2010, for more information on TolTest's site activities (Appendix I).

Round 2 Verification Sample Collection and Results

On April 21, 2010, Tetra Tech collected five verification composite samples, consisting of one floor and four wall samples, from the Area 2A, Round 2 excavation (Figure 3-16). The Navy directed Tetra Tech to collect a 0 to 2-feet bgs sample on the eastern wall (closest to the water line) in addition to the 2 to 5-feet bgs sample. Only 2 to 5-feet bgs samples were collected from the other two exposed walls of the excavation because the top 2 feet of soil in these areas consisted of clean backfill. The following is a list of the Area 2A, Round 2 verification samples:

13SOCF091	13SOCW124
13SOCW122	13SOCW125
13SOCW123	

All five composite samples were sent to the fixed-base laboratory without completing Rapid Assay PCB Test Kits. Sample 13SOCW125 (collected at 2 to 5-feet bgs) was verified clean by the fixed-base

laboratory. Results of the remaining four fixed-base laboratory samples (13SOCF091 and 13SOCW122 through 124) indicated PCB concentrations greater than cleanup goals.

Based on the fixed-base laboratory results, the Navy directed Tetra Tech to develop a sampling plan to delineate the remaining contamination at Area 2A.

May and June Exploratory Sampling Events

On May 7, and June 3 and 22, 2010, Tetra Tech collected a total of 101 samples from 59 soil boring locations, 49 of which were advanced using DPT and 10 of which were advanced using a hand auger (Figure 3-17). Appendix C.5 summarizes the samples collected from the 59 locations shown on Figure 3-17.

All 101 samples were sent to the fixed-base laboratory without completing field tests. Eighty-five were verified clean by the fixed-base laboratory (Appendix C.5). Results of the remaining 16 fixed-base laboratory sample analysis showed PCB concentrations greater than the cleanup goals (Figure 3-17 and Appendix C.5).

Much of the area containing samples with PCB concentrations greater than the cleanup goal had been excavated to 2 feet bgs during the Area 2 excavation. The location of the contaminated material used as backfill was never determined exactly; however, it is likely that the material came from a small mound adjacent to the Area 2 excavation, just outside of the original excavation boundaries developed in the SWMU 13 IMWP. Prior to site grading activities, there was a small mound-shaped area outside of the Area 2 excavation, between the road and sample locations 13SOCW036 and 13SOCW037 shown on Figure 3-14. After confirmation samples indicated that all PCB-contaminated soil had been removed from Area 2 excavations, site grading was completed and soil in the mound was graded into the excavation to create a level grade at the site. During the Area 2A excavation and sampling, it was discovered that contaminated material remained in subsurface areas where the mound was previously located. It was then assumed that the mound, and the areas directly surrounding it, contained PCB-contaminated soil which had been graded into the Area 2 excavation. The contamination found in the surface (0 to 2 feet bgs) along the road (between 13SB147 and 13SB197) during this exploratory sampling event was attributed to the use of this contaminated material during site grading and backfilling. PCB-contaminated soil deeper than 2 feet bgs along the road was not discovered during verification sampling completed at Area 2 since samples were not collected in this area. PCB-contaminated soil around Area 2 sample 13SOF064D was not initially excavated during the Area 2 excavation due to a change in sample

concentration from the preliminary laboratory result to the final laboratory result, which was not available until after the excavation was backfilled (discussed in Section 3.2.6.1 (Area 2, Round 1).

Based on the fixed-base laboratory results, the Navy developed an excavation plan to remove the remaining contamination at Area 2A. Figure 3-18 shows the final excavation limits determined based on the exploratory sampling events.

3.2.7.3 Area 2A (Building 171 Additional Excavation), Round 3

Round 3 Excavation and Off-Site Disposal

On July 8 and 9, 2010, TolTest completed the Round 3 excavation to the limits shown on Figure 3-18. Initial limits of TSCA soil were delineated based on the results of the May and June exploratory sampling events. Soil excavated on July 8 and 9, 2010, was direct-loaded for transport to the landfill. On July 8, 2010, 10 loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 236.23 tons of TSCA soil was disposed of during Round 3. On July 9, 2010, 10 loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 208.46 tons of non-TSCA soil was disposed of during Round 3. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. TolTest did not provide daily reports for dates after March 16, 2010; thus, excavation activities completed at Area 2A after Round 2 were summarized based on Tetra Tech's field notes (Appendix E) and manifests provided by TolTest (Appendix J.1).

Round 3 Verification Sample Collection and Results

On July 8 and 9, 2010, Tetra Tech collected 32 verification composite samples, consisting of two floor samples and 30 wall samples, from the Area 2A, Round 3 excavation (Figure 3-18). In areas where TSCA soil had been excavated, confirmation sample results were used to confirm the removal of TSCA soil. As indicated on Figure 3-18, portions of Area 2A were excavated to bedrock, so no verification samples were collected from the floors of these areas. Also, samples were not collected from the top 2 feet in some locations due to the presence of clean fill. The following is a list of the Area 2A, Round 3 verification samples:

13SOCF092	13SOCW140
13SOCF093	13SOCW141

13SOCW126	13SOCW142
13SOCW127	13SOCW143
13SOCW128	13SOCW144
13SOCW129	13SOCW145
13SOCW130	13SOCW146
13SOCW131	13SOCW147
13SOCW132	13SOCW148
13SOCW133	13SOCW149
13SOCW134	13SOCW150
13SOCW135	13SOCW151
13SOCW136	13SOCW152
13SOCW137	13SOCW153
13SOCW138	13SOCW157
13SOCW139	13SOCW158

As indicated in the IMWP, each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. Based on the test kit results, the two floor samples and 28 of the 30 wall samples were sent to the laboratory to confirm the results of the field tests. The two floor samples (13SOCF092 and 13SOCF093) and 27 of the 30 wall samples were verified clean by the fixed-base laboratory.

The test kit and fixed-base laboratory analytical results of the remaining three wall samples (13SOCW130, 13SOCW136, and 13SOCW153) indicated PCB concentrations greater than cleanup goals. Based on these results, the Navy directed TolTest to expand the excavation beyond the location of these wall samples. Appendix C.5 contains test kit and laboratory results for all samples collected at Area 2A.

3.2.7.4 Area 2A (Building 171 Additional Excavation), Round 4

Round 4 Excavation and Off-Site Disposal

From July 9 through 14, 2010, TolTest completed the Round 4 excavation based on the results of the Round 3 verification samples discussed above. The excavation was expanded in the following directions, as shown on Figure 3-19:

- From 2 to 4 feet bgs 20 feet southwest of sample location 13SOCW136;
- From 0 to 2 feet bgs approximately 8.5 feet northwest beyond sample location 13SOCW153 (just beyond the water line); and,
- From 0 to 7 feet bgs approximately 10 feet northwest beyond sample location 13SOCW130.

Soil excavated on these dates was direct-loaded for transport to the landfill. On July 9, 2010, one load of TSCA soil was transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 17.85 tons of TSCA soil was disposed of during Round 4. On July 9 and 14, 2010, nine and one loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 192.9 tons of non-TSCA soil was disposed of during Round 4. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. TolTest did not provide daily reports for dates after March 16, 2010; thus, excavation activities completed at Area 2A after Round 2 were summarized based on Tetra Tech's field notes (Appendix E) and manifests provided by TolTest (Appendix J.1).

Round 4 Verification Sample Collection and Results

On July 9 and 10, 2010, Tetra Tech collected eight verification wall samples from the expanded portion of the Area 2A excavation (Figure 3-19). In areas where TSCA soil had been excavated, confirmation sample results were used to confirm the removal of TSCA soil. Samples were not collected from the top 2 feet in some locations due to the presence of clean fill. The following is a list of the Area 2A, Round 4 verification samples:

13SOCW154	13SOCW160
13SOCW155	13SOCW161
13SOCW156	13SOCW162
13SOCW159	13SOCW163

Five of the eight samples were field-tested using the Rapid Assay PCB Test Kit to determine whether samples should be sent to a fixed-base laboratory or further excavation was required. Based on the test kit results, all eight wall samples were sent to the lab to confirm the results of the field tests. Six of the eight wall samples (13SOCW154, 13SOCW156, 13SOCW159 through 161, and 13SOCW163) were verified clean by the fixed-base laboratory. The fixed-base laboratory results of the remaining two wall samples (13SOCW155 and 13SOCW162) showed PCB concentrations greater than cleanup goals. Based on these results, the Navy directed TolTest to expand the excavation beyond the locations of

these wall samples. Appendix C.5 contains test kit and laboratory results for all samples collected at Area 2A.

3.2.7.5 Area 2A (Building 171 Additional Excavation), Round 5

Round 5 Excavation and Off-Site Disposal

On July 14, 2010, TolTest completed the Round 5 excavation to the limits shown on Figure 3-20. The excavation was expanded in the following directions:

- 0 to 7 ft bgs 4 feet southwest beyond sample location 13SOCW155; and,
- 0 to 2 ft bgs approximately 3 feet northwest beyond sample location 13SOCW162.

Soil excavated on these dates was direct-loaded for transport to the landfill. On July 14, 2010, two loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 41.2 tons of non-TSCA soil was disposed of during Round 5. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. TolTest did not provide daily reports for dates after March 16, 2010; thus, excavation activities completed at Area 2A after Round 2 were summarized based on Tetra Tech's field notes (Appendix E) and manifests provided by TolTest (Appendix J.1).

Round 5 Verification Sample Collection and Results

On July 14 and 19, 2010, Tetra Tech collected three verification composite samples, consisting of one floor and two wall samples, from the Area 2A, Round 5 excavation. Samples were not collected from the top 2 feet in some locations due to the presence of clean fill. The following are the Area 2A, Round 5 verification samples: 13SOCF094, 13SOCW164, and 13SOCW165.

Samples 13SOCF094 and 13SOCW164 were field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or further excavation was required. Based on the test kit results, these two samples were sent to the fixed-base laboratory. Sample 13SOCW165 was sent to a fixed-base laboratory without completing a field test. All three samples were verified clean by the fixed-base laboratory. Based on the fixed-base laboratory results, no further excavation was recommended at Area 2A.

Figure 3-21 shows the Area 2A final excavation limits, the Area 2 excavation limits, and verification sample results used to define the final excavation extent at Area 2A. TolTest did not provide a final excavation limit survey for the Area 2A excavation. The final excavation limits and verification sample locations were determined using a combination of Tetra Tech's field measurements, sketches, and notes. Appendix C.5 contains test kit and laboratory results for all samples collected at Area 2A. Table 3-6 contains laboratory sample results used to verify that final excavation limits were below the cleanup goals at Area 2A.

3.2.7.6 Area 2A Backfilling

TolTest did not provide daily reports for the majority of the Area 2A excavation; thus, specific dates and amounts of backfill in this area are unknown. Tetra Tech field personnel noted that portions of the Area 2A excavation were backfilled multiple times throughout the field notebook; however, Tetra Tech was not present when backfill material was delivered to the site. Off-site backfill material was used but no documentation was provided by TolTest.

3.2.8 Area 2B (Building 171 Sump and Trenches)

The following is a summary of the samples collected and the amount of material disposed of from Area 2B:

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Incoming Backfill Material (tons)
2B	1	9	0	9	0	203.08	NA
2B	Exploratory	2	0	2	0	0	None
Total	2	11	0	11	0	203.08	NA

Note
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.8.1 Area 2B (Building 171 Trenches), Round 1

Round 1 Excavation and Off-Site Disposal

From November 5 through 7, 10, and 11, 2008, TolTest cleaned and removed debris from Building 171 interior trenches and transported this material to the stockpile near Building 2502. On November 12 and 13, 2008, TolTest pressure-washed the interior Building 171 concrete trenches. On November 14,

2008, TolTest removed material from the trenches outside Building 171, where material from the interior trenches collected during power-washing, and transported it to the stockpile near Building 2502. On November 18, 2008, one load of non-TSCA stockpiled material from the Building 171 trenches was transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. TolTest demolished the Building 171 sump on January 15 and 16, 2009. Eight loads of non-TSCA sediment and concrete debris were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal.

A total of 203.08 tons of non-TSCA sediment and debris was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. Daily reports for the above referenced dates are located in Appendix I.

Round 1 Verification and Exploratory Sample Collection and Results

On November 20, 2008, Tetra Tech was directed by the Navy to collect two exploratory sediment samples from the sump west of Building 171. On December 3, 2008, Tetra Tech collected nine verification concrete wipe samples from the Building 171 trenches (Figure 3-22). The following is a list of the Area 2B, Round 1 verification and exploratory samples:

13SD077	13WP005
13SD078	13WP006
13WP001	13WP007
13WP002	13WP008
13WP003	13WP009
13WP004	

The concrete wipe and sediment samples were sent to the fixed-base laboratory without completing field test kits. The nine concrete wipe samples were verified clean by the fixed-base laboratory. Fixed-base laboratory results for the two sediment samples from the sump contained PCB concentrations greater than the cleanup goal. Based on these laboratory results, the Navy directed TolTest to clean out the sump and dispose of the sediment and demolish the concrete sump and trenches during the demolition of the building, as summarized above. Appendix C.6 and Table 3-7 contain laboratory results for all samples collected at Area 2B.

3.2.9 Area 3 (Building 171 East Drainage Channel)

The following is a summary of the samples collected and the amount of material disposed of from Area 3. Because a portion of Area 3 was excavated originally as part of Area 2, much of the Area 3, Round 1 material has been included with the Area 2, Round 1 material. As such, the actual amount of Area 3, Round 1 material disposed is higher, and the Area 3, Round 2 material disposed is lower than the amount shown in the table below.

Area	Excavation Round	Samples Collected[1]	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[2]	Non-TSCA Material Disposed (tons)[2]	Incoming Backfill Material (tons)
3	1	19	11	13	73.40	45.61	NA
3	2	19	16	7	0	135.83	NA
3	3	12	11	4	0	91.79	NA
3	4	8	1	7	0	89.31	NA
3	5	1	0	1	0	22.42	NA
Total	5	59	39	32	73.40	384.96	NA

Notes

1 Number of samples collected includes aliquots tested separately.
2 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.9.1 Area 3 (Building 171 East Drainage Channel), Round 1

Round 1 Excavation and Off-Site Disposal

TolTest completed the Area 3 Round 1 excavation on November 10, 18, and December 30, 2008 (Figure 3-23). Soil excavated on these dates was direct-loaded for transport to the landfill. On January 26, 2009, TolTest pressure-washed the concrete culvert that receives runoff from Area 3. As stated above, a portion of Area 3 was excavated originally as Area 2 but later became Area 3 when a culvert was discovered. The material excavated from this area was included as part of the Area 2, Round 1 summary.

On November 10, 2008, three loads of TSCA soil were transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 73.4 tons of TSCA soil was disposed of during Round 1. On November 18, 2008, two loads of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 45.61 tons of non-TSCA soil was disposed of during Round 1. All documentation regarding waste

disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

On November 20, 2008, and January 7 and February 5, 2009, Tetra Tech collected a total of 16 verification soil samples from the Area 3 Initial (Round 1) Excavation (Figure 3-23). Ten were verification composite soil sample locations, consisting of six floor and four wall samples, and six were aliquots from two different composite samples (13SOCF010A and 13SOCW022A). These aliquots were tested separately to delineate contamination and were then used as verification samples. The sample collected November 12, 2008 (13SOCD001A), was not collected using the drainage channel sample layout; thus, samples 13SOCF009A, 13SOCF010A, 13SOCF011A, 13SOCW022A, and 13SOCW023A were collected to replace sample 13SOCD001A. These samples were collected using the drainage channel sample layout shown on Figure 3-23. The results of sample 13SOCD001A are not discussed below but are shown in Table C.7.

In addition to verification samples collected at the Area 3 initial excavation, on February 5, 2009, Tetra Tech collected two concrete wipe samples from a previously power-washed culvert that drains Area 3 to verify that the concrete did not contain PCBs (Figure 3-23).

The following is a list of the Area 3, Round 1 verification soil and wipe samples:

13SOCF009A	13SOW022AA
13SOCF010A	13SOW022BA
13SOF010BA	13SOW022CA
13SOF010CA	13SOW022DA
13SOCF011A	13SOCW023A
13SOCF032B	13SOCW055B
13SOCF033B	13SOCW056B
13SOCF034B	13WP010
13SOCW022A	13WP011

The ten composite soil samples were field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. The two concrete wipe samples, the two aliquots of 13SOCF010A (13SOF010BA and 13SOF010CA), and the four aliquots of 13SOCW022A (13SOW022AA, 13SOW022BA, 13SOW022CA, and 13SOW022DA) were sent to the fixed-base laboratory without completing field test kits. Four composite

floor samples, two floor sample aliquots, two composite wall samples, four wall sample aliquots, and two wipe samples were sent to the fixed-base laboratory. Two composite floor samples (13SOCF032B and 13SOCF034B), two wall aliquots (13SOW022BA and 13SOW022CA), one wall sample (13SOCW055B), and the two concrete wipe samples (13WP010 and 13WP011) were verified clean by the fixed-base laboratory.

The results of the remaining field test kit and fixed-base laboratory sample analysis (13SOCF009A, 13SOCF010A, 13SOF010BA, 13SOF010CA, 13SOCF011A, 13SOCF033B, 13SOCW022A, 13SOW022AA, 13SOW022DA, 13SOCW023A, and 13SOCW056B) showed concentrations of PCBs greater than the cleanup goal. Based on these results, the Navy directed TolTest to excavate to a greater depth at these locations. Appendix C.7 contains test kit and laboratory results for all Area 3 samples.

Area 1, Round 1 Backfilling

TolTest backfilled the portions of Round 1 excavation verified clean by the fixed-base laboratory. On December 30, 2008, the Navy directed TolTest to excavate soil from areas near Building 171 outside the excavation areas for use as backfill in the Area 3 excavation that was verified clean.

3.2.9.2 Area 3 (Building 171 East Drainage Channel), Round 2

Round 2 Excavation and Off-Site Disposal

On December 30, 2008, and January 7 and 19, 2009, TolTest completed the Area 3, Round 2 excavation based on the Round 1 sample results. TolTest excavated to a greater depth at the following locations, as shown on Figure 3-24:

- From 2 to 3.5 feet bgs in the areas represented by sample locations 13SOCF033B and 13SOCW056B; and

- From 2 to 3 feet bgs in the areas represented by sample locations 13SOCF009A, 13SOCF010A (all four aliquots), 13SOCF011A, 13SOW022AA, 13SOW022DA, and 13SOCW023A.

Soil excavated on these dates was direct-loaded for transport to the landfill. On December 30, 2008, and January 7 and 19, 2009, four, one, and one loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 135.83 tons of non-TSCA soil was disposed of during Round 2. All documentation regarding waste

disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 2 Verification Sample Collection and Results

On December 30, 2008, and January 7 and 22, 2009, Tetra Tech collected seven verification composite samples, consisting of four floor samples and three wall samples, from the Area 3, Round 2 excavation (Figure 3-24). The four aliquots from three of the composite samples (13SOCF035B, 13SOCF036B, and 13SOCF037B) were all tested separately and are included in the table below. The following is a list of the Area 3, Round 2 verification samples:

13SOCF035B	13SOCF037B
13SOF035AB	13SOF037AB
13SOF035BB	13SOF037BB
13SOF035CB	13SOF037CB
13SOF035DB	13SOF037DB
13SOCF036B	13SOCF052C
13SOF036AB	13SOCW050B
13SOF036BB	13SOCW051B
13SOF036CB	13SOCW072C
13SOF036DB	

Composite samples 13SOCW050B and 13SOCW051B were not field-tested using the Rapid Assay PCB Test Kit. The remaining five composite samples and all four aliquots of samples 13SOCF035B, 13SOCF036B, and 13SOCF037B were field-tested to determine whether they should be sent to a fixed-base laboratory or further excavation was required. A mistake occurred during the field-test process for composite sample 13SOCF035B and accurate test kit results were only obtained for each aliquot but not the composite. Based on the test kits results, four composite floor samples and three composite wall samples were sent to the laboratory to confirm the results of the field tests. Three of the composite floor samples (13SOCF035B, 13SOCF037B (composite of aliquots A, B, and D), and 13SOCF052C) and two composite wall samples (13SOCW051B and 13SOCW072C) were verified clean by the fixed-base laboratory.

The results of the remaining field test kit and fixed-base laboratory sample analysis (13SOCF036B, aliquot C of 13SOCF037B, and 13SOCW050B) indicated concentrations of PCBs greater than the cleanup goal. Based on these results, the Navy directed TolTest to excavate to a greater depth at these locations. Appendix C.7 contains test kit and laboratory results for all Area 3 samples.

Area 3, Round 2 Backfilling

TolTest backfilled the portions of the Round 2 excavation verified clean by the fixed-base laboratory. On January 26, 2009, the Navy directed TolTest to excavate soil from areas near Building 171 outside of the excavation areas for use as backfill in the Area 3 excavation that was verified clean.

3.2.9.3 Area 3 (Building 171 East Drainage Channel), Round 3

Round 3 Excavation and Off-Site Disposal

On January 7 and 19, 2009, TolTest completed the Area 3, Round 3 excavation (Figure 3-25). TolTest excavated to a greater depth at the following locations, as shown on Figure 3-25:

- 3 to 3.5 feet bgs in the areas represented by sample location 13SOCF036B;
- 3 to 4 feet bgs in the areas represented by sample location 13SOCW050B; and
- 3 to 4.5 feet bgs in the area represented by aliquot C of sample location 13SOCF037B.

Soil excavated on these dates was direct-loaded for transport to the landfill. On January 7 and 19, 2009, two loads per day of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 91.79 tons of non-TSCA soil was disposed of during Round 3. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the dates indicated for more information on TolTest's site activities (Appendix I).

Round 3 Verification Sample Collection and Results

On January 7 and 22, 2009, Tetra Tech collected three composite samples and one grab sample, comprising three floor samples and one wall sample, from the Area 3, Round 3 excavation (Figure 3-25). All four aliquots of two composite samples (13SOCF051C and 13SOCW057C) were tested separately and are included in the table below. The following is a list of the Area 3, Round 3 verification samples:

13SOF050C	13SOF051DC
13SO2CF051C	13SOCW057C
13SOCF051C	13SOW057AC
13SOF051AC	13SOW057BC
13SOF051BC	13SOW057CC
13SOF051CC	13SOW057DC

Note that composite sample 13SOCF051C is not shown on Figure 3-25. 13SOF051DC (aliquot D of 13SOCF051C) is shown on Figure 3-25, as is 13SO2CF051C (a composite of aliquots A, B, and C of 13SOCF051C). The location of 13SOCF051C encompasses both 13SO2CF051C and 13SOF051DC.

Two composite samples (13SOCF051C and 13SOCW057C), the grab sample (13SOF050C), and all four aliquots of 13SOCF051C and 13SOCW057C were field-tested using the Rapid Assay PCB Test Kit to determine whether the samples should be sent to a fixed-base laboratory or whether further excavation was required. Sample 13SO2CF051C was not field-tested because it is a composite of aliquots A, B, and C from 13SOCF051C, and all aliquots of 13SOCF051C were field-tested individually. Based on the test kit results, 13SOF050C, 13SO2CF051C (composite of aliquots A, B, and C from 13SOCF051C), 13SOCF051C (composite of aliquots A, B, C, and D), and 13SOCW057C (composite of aliquots A, B, and C) were sent to the laboratory to confirm the results of the field tests. Samples 13SOF050C, 13SO2CF051C (containing only aliquots A, B, and C from 13SOCF051C), and 13SOCW057C (only aliquots A, B, and C) were verified clean by the fixed-base laboratory.

The test kit and laboratory results of the remaining samples, 13SOF051DC [aliquot D of 13SOCF051C] and 13SOW057DC [aliquot D of 13SOCW057C], contained concentrations of PCBs greater than the cleanup goal. Based on these results, the Navy directed TolTest to excavate to a greater depth at these locations. Appendix C.7 contains test kit and laboratory results for all Area 3 samples.

Area 3, Round 3 Backfilling

TolTest backfilled the portions of the Round 3 excavation verified clean by the fixed-base laboratory. On January 26, 2009, the Navy directed TolTest to excavate soil from areas near Building 171 outside the excavation areas for use as backfill in the Area 3 excavation that was verified clean.

3.2.9.4 Area 3 (Building 171 East Drainage Channel), Round 4

Round 4 Excavation and Off-Site Disposal

On January 19, February 5, 6, and June 23, 2009, TolTest completed the Area 3, Round 4 excavation (Figure 3-26). TolTest excavated to a greater depth at the following locations, as shown on Figure 3-26:

- 3.5 to 5.5 feet bgs in the area represented by sample location 13SOF051DC; and,
- 4 to 5.5 feet bgs in the area represented by sample location 13SOW057DC.

Aliquot B of 13SOCF051C was excavated initially instead of aliquot D. The correct location, aliquot D, was later excavated.

Soil excavated January 19, 2009, was direct-loaded for transport to the landfill. Soil excavated February 5, 2009, was likely stockpiled for disposal on February 6, 2009. Because Round 4 samples were collected February 5, 2009, and not February 6, 2009, it is assumed that the Area 3 excavation work noted on the February 6, 2009, daily report was actually associated with loading material from the stockpile.

On February 6, 2009 and June 23, 2009, three and one loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 89.31 tons of non-TSCA soil was disposed of during Round 4. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 4 Verification Sample Collection and Results

On January 22, February 5, and June 23, 2009, Tetra Tech collected six composite samples and two grab samples, comprising two floor samples and six wall samples, from the Area 3, Round 4 excavation (Figure 3-26). The following is a list of the Area 3, Round 4 verification samples:

13SOF055BD	13SOCW091A
13SOCF060C	13SOCW092A
13SOCW071C	13SOCW093A
13SOW071AC	13SOCW094A

Samples were sent to the lab without completing field-testing, with the exception of aliquot A of 13SOCW071A. Samples 13SOF055BD, 13SOCF060C, 13SOCW091A, 13SOCW092A, 13SOCW093A, and 13SOCW094A were verified clean by the fixed-base laboratory. Composite sample 13SOCW071C was made up of aliquot 13SOW071AC and aliquots A, B, and C from Round 3 sample 13SOCW057C. Aliquots A, B, and C of 13SOCW057C were verified clean during Round 3. The laboratory result for 13SOCW071C had a PCB concentration exceeding the cleanup goal, and since A, B, and C from 13SOCW057C were clean the exceedance was attributed to a higher PCB concentration in 13SOW071AC. Based on the laboratory result for 13SOCW071C, the Navy directed TolTest to expand the excavation to a greater depth at 13SOW071AC.

As mentioned in the Round 3 section above, aliquot B of 13SOCF051C was excavated initially instead of aliquot D. Sample 13SOF055BD was collected after the additional excavation in the area represented by aliquot B. Samples 13SOCF060C and 13SOCW091A through 13SOCW094A were collected after the additional excavation in the area represented by aliquot D and are shown on Figure 3-26. Appendix C.7 contains test kit and laboratory results for all Area 3 samples.

Area 3, Round 4 Backfilling

TolTest backfilled the portions of the Round 4 excavation verified clean by the fixed-base laboratory. On January 26, February 6, and June 24, 2009, the Navy directed TolTest to excavate soil from areas near Building 171 outside the excavation areas for use as backfill in the Area 3 excavation that was verified clean.

3.2.9.5 Area 3 (Building 171 East Drainage Channel), Round 5

Round 5 Excavation and Off-Site Disposal

On February 5, 2009, TolTest completed the Area 3, Round 5 excavation (Figure 3-27). TolTest excavated to a greater depth at the following location, as shown on Figure 3-27:

- 5.5 to 7.5 feet bgs, at 13SOW071AC (aliquot A of sample location 13SOCW071C).

On February 9, 2009, one load of non-TSCA soil was transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. Because the Round 5 sample was collected February 5, 2009, it is assumed that Round 5 material was stockpiled prior to loading on February 9, 2009. A total of 22.42 tons of non-TSCA soil was disposed of during Round 5. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 5 Verification Sample Collection and Results

On February 5, 2009, Tetra Tech collected one aliquot sample (13SOW075AD) from the Area 3, Round 5 excavation (Figure 3-27). This sample was sent to the fixed-base laboratory without completing field-testing and was verified clean by the laboratory. Based on the laboratory results for 13SOW075AD, the Navy did not recommend any further excavation at Area 3. Figure 3-28 shows the Area 3 final excavation

limits, the IMWP proposed excavation limits, and verification sample results used to define the final excavation extent at Area 3. Final excavation limits and locations of all verification samples were determined using a combination of GPS points collected by Tetra Tech, Tetra Tech's field sketches and notes, and survey provided by TolTest. Appendix C.7 contains test kit and laboratory results for all samples collected at Area 3. Table 3-8 contains laboratory sample results used to verify that final excavation limits were below the cleanup goals at Area 3.

Area 3, Round 5 Backfilling

On February 6, 2009, the Navy directed TolTest to excavate soil from areas near Building 171 outside the excavation areas for use as backfill in the Area 3 excavation that was verified clean.

3.2.10 Area 4 (Building 171 West Drainage Channel)

The following is a summary of the samples collected and the amount of material disposed of at Area 4.

Area	Excavation Round	Samples Collected[1]	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[2]	Non-TSCA Material Disposed (tons)[2]	Incoming Backfill Material (tons)
4	1	38	36	20	0	784.53	NA
4	2	3	3	3	0	139.32	NA
Total	2	41	39	23	0	923.85	NA

Notes
1 Number of samples includes aliquots tested separately.
2 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.10.1 Area 4 (Building 171 West Drainage Channel), Round 1

Round 1 Excavation and Off-Site Disposal

Initial clearing at Area 4 began November 20, 2008. Between January 7 and 9, 2009, TolTest prepared the Building 171 west drainage channel area for excavation. On January 12, 2009, TolTest built an access road at Area 4. TolTest completed the Area 4, Round 1 excavation on January 13, 14, and 15, 2009 (Figure 3-29). Soil excavated on these dates was direct-loaded for transport to the landfill. On January 26, 2009, TolTest pressure-washed the Area 4 culvert.

On January 13, 14, and 15, 2009, 13, 10, and 13 loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of

784.53 tons of non-TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

On January 15, 2009, Tetra Tech collected 20 verification composite soil samples, consisting of 12 floor and eight wall samples, from the Area 4 initial excavation (Figure 3-29). As directed by the Navy, all four aliquots from four of the composite samples (13SOCF039A, 13SOCF040A, 13SOCF041A, and 13SOCW063A) were tested separately to delineate the contamination. These 16 aliquots are included in the table below and in Appendix C.8. In addition to verification samples collected at the Area 4 initial excavation, on February 5, 2009, Tetra Tech collected two concrete wipe samples from the power-washed culvert in Area 4 to verify that the concrete did not contain PCBs (Figure 3-29).

The following is a list of the Area 4, Round 1 verification samples:

13SOCF038A	13SOCF045A
13SOCF039A	13SOCF046A
13SOF039AA	13SOCF047A
13SOF039BA	13SOCF048A
13SOF039CA	13SOCF049A
13SOF039DA	13SOCW063A
13SOCF040A	13SOW063AA
13SOF040AA	13SOW063BA
13SOF040BA	13SOW063CA
13SOF040CA	13SOW063DA
13SOF040DA	13SOCW064A
13SOCF041A	13SOCW065A
13SOF041AA	13SOCW066A
13SOF041BA	13SOCW067A
13SOF041CA	13SOCW068A
13SOF041DA	13SOCW069A
13SOCF042A	13SOCW070A
13SOCF043A	13WP012
13SOCF044A	13WP013

As indicated in the IMWP, each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or further excavation was

required. Additionally, all four aliquots of samples 13SOCF039A, 13SOCF040A, 13SOCF041A, and 13SOCW063A were field-tested to further refine potential areas of contamination and minimize excavation of clean soil. Based on the test kit results, 11 of 12 floor samples and 7 of 8 wall samples were sent to the fixed-base laboratory to confirm the results of the field tests. The following six floor samples and seven wall samples were verified clean by the laboratory: 13SOCF039A, 13SOCF040A (composite of aliquots A, B, and D), 13SOCF042A through 13SOCF049A, 13SOCW063A (composite of aliquots A, B, and C), and 13SOCW065A through 13SOCW070A.

The results of the remaining test kit and fixed-base laboratory samples (13SOCF038A, aliquot C of 13SOCF040A, 13SOCF041A, aliquot D of 13SOCW063A, and 13SOCW064A) contained concentrations of PCBs greater than the cleanup goal. Based on these results, the Navy directed TolTest to expand the depth of the excavation at these locations. Appendix C.8 contains test kit and laboratory results for all samples collected at Area 4.

Round 1 Backfilling

On January 22, 2009, TolTest backfilled the bottom end of the Area 4 excavation (west of the culvert) that was verified clean by the fixed-base laboratory. On January 23, 2009, TolTest backfilled the portion of the drainage channel below the railroad bed. The Navy directed TolTest to excavate soil from areas of SWMU 13 outside the excavation areas for use as backfill in the Area 4 excavation that was verified clean.

3.2.10.2 Area 4 (Building 171 West Drainage Channel), Round 2

Round 2 Excavation and Off-Site Disposal

TolTest completed the Area 4, Round 2 excavation January 22 and 23, 2009 (Figure 3-30). TolTest excavated from 2 to 3 feet bgs at the following locations, as shown on Figure 3-30:

- 13SOCF038A
- 13SOF040CA
- 13SOCF041A
- 13SOW063DA
- 13SOCW064A

Soil excavated on these dates was direct-loaded for transport to the landfill. On January 22 and 23, 2009, two and four loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 139.32 tons of non-TSCA soil was disposed of during Round 2. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 2 Verification Sample Collection and Results

On January 22, 2009, Tetra Tech collected three verification composite soil samples, consisting of one wall and two floor samples, from the Area 4, Round 2 excavation (Figure 3-30). The following are the Area 4, Round 2 verification samples:

13SOCF053B	13SOCF054B	13SOCW074B

As indicated in the IMWP, each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or whether further excavation was required. Based on the test kit results, all three samples were sent to the laboratory to confirm the results of the field tests. All three samples were verified clean by the fixed-base laboratory. Based on the laboratory results, the Navy recommended no further excavation at Area 4.

Figure 3-31 shows the Area 4 final excavation limits, the IMWP proposed excavation limits, and verification sample results used to define the final excavation extent at Area 4. Portions of the survey provided by TolTest were grading limits and portions were final excavation limits. Therefore, the final excavation limits and locations of all verification samples were determined using a combination of GPS points collected by Tetra Tech, Tetra Tech's field sketches and notes, and survey data provided by TolTest. Specifically, the excavation limits west of the culvert were obtained from the survey provided by TolTest and the remaining excavation limits were determined using the methods stated above. Appendix C.8 contains test kit and laboratory results for all samples collected at Area 4. Table 3-9 contains laboratory sample results used to verify that final excavation limits were below the cleanup goals at Area 4.

Round 2 Backfilling

On February 2, 5, and 6, 2009, TolTest backfilled the remaining portion of the Area 4 excavation verified clean by the fixed-base laboratory. The Navy directed TolTest to excavate soil from areas of SWMU 13 outside the excavation areas for use as backfill in the Area 4 excavation that was verified clean.

3.2.11 Area 5 (Building 169 Drainage Channel)

The following is a summary of the samples collected and the amount of material disposed of from Area 5.

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Incoming Backfill Material (tons)
5	1	5	5	5	0	118.84	101.27
Total	1	5	5	5	0	118.84	101.27

Note
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.

3.2.11.1 Area 5 (Building 169 Drainage Channel), Round 1

Round 1 Excavation and Off-Site Disposal

TolTest cleared Area 5 November 13 and 14, 2008. TolTest completed the Area 5, Round 1 excavation on November 18 and 19, 2008 (Figure 3-32). Soil excavated on these dates was direct-loaded for transport to the landfill.

On November 18 and 19, 2008, three and two loads, respectively, of non-TSCA soil were transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 118.84 tons of non-TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

On November 20, 2009, Tetra Tech collected five verification composite soil samples, consisting of three floor samples and two wall samples, from the Area 5 initial excavation (Figure 3-32).

The following is a list of the Area 5, Round 1 verification samples:

13SOCF013A	13SOCW028A
13SOCF014A	13SOCW029A
13SOCF015A	

As indicated in the IMWP, each composite sample was field-tested using the Rapid Assay PCB Test Kit to determine whether the sample should be sent to a fixed-base laboratory or further excavation was required. Based on the test kit results, all five composite samples were sent to the laboratory to confirm the results of the field tests. All five samples were verified clean by the fixed-base laboratory, and the Navy recommended no further excavation at Area 5. Figure 3-32 shows the Area 5 final excavation limits, the IMWP proposed excavation limits, and verification sample results used to define the final excavation extent at Area 5. The final excavation limit survey provided by TolTest was compared to Tetra Tech's field notes and pictures and was used to represent the final excavation limits at Area 5. Appendix C.9 contains test kit and laboratory results for all samples collected at Area 5. Table 3-10 contains laboratory sample results used to verify that the final excavation limits were below the cleanup goals at Area 5.

Round 1 Backfilling

The table in TolTest's December 5, 2008, daily report and the notes from the November 18 and 19, 2008, daily reports indicate that three loads and one load, respectively, of backfill were brought to the site on November 18 and 19, 2008. No backfill tickets were provided for this material.

3.2.12 Area 5A (Building 169 Sump and Culvert)

The following is a summary of the samples collected and the amount of material disposed of from Area 5A.

Area	Excavation Round	Samples Collected	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[1]	Non-TSCA Material Disposed (tons)[1]	Incoming Backfill Material (tons)
5A	1	9	0	9	21.71	0	NA
5A	Exploratory	1	0	1	0	0	None
Total	2	10	0	10	21.71	0	NA

Note
1 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.12.1 Area 5A (Building 169 Sump and Culvert), Round 1

Exploratory Sample Collection and Results

On August 13, 2009, Tetra Tech collected an exploratory sump sample (13SD082) from the Building 169 Sump in Area 5A (Figure 3-33). This sample was sent to the lab and results indicated that sediment in the sump contained PCB concentrations greater than the cleanup goal. Based on the results of this sample, the Navy directed TolTest to demolish the sump and transport the sediment and concrete off-site for disposal. See Table 3-9 or Appendix C.10 for the results of this sample.

Round 1 Excavation and Off-Site Disposal

On January 26, 2009, TolTest power-washed the culvert upstream of the Building 169 drainage channel (Figure 3-33). On March 17, 2010, TolTest demolished the sump (Figure 3-34) and one load of TSCA sediment and concrete was transported by U.S. Bulk Transport, Inc. to Heritage Environmental Services, LLC in Roachdale, Indiana for disposal. A total of 21.71 tons of TSCA soil was disposed of during Round 1. All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 1 Verification Sample Collection and Results

After the sump was removed, Tetra Tech collected verification samples, consisting of two floor samples and five wall samples, from the Area 5A initial excavation on March 18, 2010 (Figure 3-34). In addition to verification samples collected from the sump excavation, Tetra Tech collected two concrete wipe samples from the power-washed culvert in Area 5A on February 5, 2009, to verify that the concrete did not contain PCBs (Figure 3-33).

The following is a list of the Area 5A, Round 1 verification samples:

13SOCF071	13SOCW117
13SOCF072	13SOCW118
13SOCW114	13WP014A
13SOCW115	13WP015A
13SOCW116	

Samples were sent to the fixed-base laboratory without completing field tests. All verification soil and concrete wipe samples were verified clean by the fixed-base laboratory. Based on these results, the Navy recommended no further excavation at Area 5A. Figure 3-34 shows the Area 5A final excavation limits and verification sample results used to define the final excavation extent at Area 5A. TolTest did not provide a final excavation limit survey for this area, thus final excavation limits and locations of verification samples were determined using Tetra Tech's field notes and sketches. Appendix C.10 contains test kit and laboratory results for all samples collected at Area 5A. Table 3-11 contains laboratory sample results used to verify that final excavation limits were below the cleanup goals at Area 5A.

3.2.13 Support Areas

The following is a summary of the samples collected and the amount of material excavated and disposed of from the SWMU 13 Support Areas. Locations of the support areas are shown on Figure 3-35.

Area	Excavation Round	Samples Collected[1]	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[2]	Non-TSCA Material Disposed (tons)[2]	Incoming Backfill Material (tons)
Support	1	10	0	10	0	0	None
Support	2	1	0	1	0	22.59	NA
Total	2	11	0	11	0	22.59	NA

Notes
1 Number of samples includes aliquots tested separately
2 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from an on-site source).

3.2.13.1 Support Areas, Round 1

Round 1 Verification Sample Collection and Results

On December 18, 2009, Tetra Tech collected six verification composite samples from the top six inches of soil in the following SWMU 13 support areas: the three load-out areas located east of Building 171, east of Building 166, and west of the Building 171 west drainage channel; the two temporary access roads constructed at the Building 171 west drainage channel and the Building 169 drainage channel; and the former soil stockpile near Building 2502. Due to an exceedance in composite sample 13SOCF065, the four aliquots from sample 13SOCF065 were tested separately to delineate contamination and are included as part of Round 1. Figure 3-35 shows the locations of the Round 1 support area samples. The Area 2A and 5A excavations had not occurred at this time, so no support area samples were collected from Area 2A or Area 5A.

The following is a list of the Support Area, Round 1 verification samples:

13SOCF065	13SOCF066
13SOF065A	13SOCF067
13SOF065B	13SOCF068
13SOF065C	13SOCF069
13SOF065D	13SOCF070

Samples were sent to the fixed-base laboratory without completing field tests. The following verification soil samples were verified clean by the fixed-base laboratory: 13SOCF066, 13SOCF067, 13SOCF068, 13SOCF069, and 13SOCF070. Sample 13SOCF065 showed concentrations of PCBs greater than the cleanup goals. The Navy instructed Tetra Tech to send each aliquot from sample 13SOCF065 separately to the fixed-base laboratory to delineate the contamination at the Building 171 load-out area. All four aliquots from 13SOCF065 showed concentrations of PCBs greater than the cleanup goal.

Based on these results, the Navy directed TolTest to expand the excavation at location 13SOCF065. Appendix C.11 contains test kit and laboratory results for all samples collected at the Support Areas.

3.2.13.2 Support Areas, Round 2

Round 2 Excavation and Off-Site Disposal

On March 15, 2010, TolTest completed the excavation of contaminated soil at the Building 171 load-out area (Figure 3-36). TolTest excavated the following, as shown on Figure 3-36:

- 0 to 6 inches bgs at location 13SOCF065.

One load of non-TSCA soil was transported by U.S. Bulk Transport, Inc. to Sycamore Ridge Landfill in Pimento, Indiana for disposal. A total of 22.59 tons of non-TSCA soil was disposed of during Round 2. Because the temporary access roads were verified clean by the Round 1 samples, the aggregate was recycled for use at other areas of NSA Crane.

All documentation regarding waste disposal is provided in Appendix J.1. Appendix H contains a table summarizing material disposed. See the daily reports for the indicated dates for more information on TolTest's site activities (Appendix I).

Round 2 Verification Sample Collection and Results

On March 18, 2010, Tetra Tech collected one verification floor sample (13SOCF074) from the Round 2 support area excavation (Figure 3-36). The sample was sent to the fixed-base laboratory without completing a field test. Sample 13SOCF074 was verified clean by the fixed-base laboratory.

Based on these results, the Navy recommended no further action at the support areas. Figure 3-36 shows the additional excavation based on the results of the Round 1 samples. The locations of all verification sample aliquots shown on Figure 3-35 and 3-36 were determined using GPS coordinates. Final excavation limits at the support area, shown on Figure 3-37, were based on Tetra Tech's GPS coordinates and field measurements. Appendix C.11 contains test kit and laboratory results for all samples collected at the Support Areas. Table 3-12 contains laboratory sample results used to verify that support areas were below the cleanup goals.

TABLE 3-1

SUMMARY OF SAMPLES COLLECTED AND MATERIAL DISPOSED
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Area	Excavation Round	Samples Collected[1]	Samples Field Tested	Samples Sent to Lab	TSCA Material Disposed (tons)[2]	Non-TSCA Material Disposed (tons)[2]	Incoming Backfill Material (tons)
1	1	18	18	13	0	233.79	NA
1	2	8	8	6	0	186.89	NA
1	3	3	2	3	0	64.30	NA
1	Exploratory	7	4	5	0	0	None
1A	1	22	0	22	46.49	416.64	333.63
1A	2	6	0	6	0	6.63	NA
1A	3	3	0	3	2.12	0	NA
1A	Exploratory	78	43	10	0	0	None
1B	1	3	3	0	0	47.60	None
2	1	40	31	37	545.71	836.83	103.34
2	2	11	6	9	298.47	182.78	NA
2A	1	4	2	2	20.66	89.76	NA
2A	2	5	0	5	91.25	0	NA
2A	3	32	32	30	236.23	208.46	NA
2A	4	8	5	8	17.85	192.90	NA
2A	5	3	2	3	0	41.20	NA
2A	Exploratory	117	16	101	0	0	None
2B	1	9	0	9	0	203.08	NA
2B	Exploratory	2	0	2	0	0	None
3	1	19	11	13	73.40	45.61	NA
3	2	19	16	7	0	135.83	NA
3	3	12	11	4	0	91.79	NA
3	4	8	1	7	0	89.31	NA
3	5	1	0	1	0	22.42	NA
4	1	38	36	20	0	784.53	NA
4	2	3	3	3	0	139.32	NA
5	1	5	5	5	0	118.84	101.27
5A	1	9	0	9	21.71	0	NA
5A	Exploratory	1	0	1	0	0	None
Support Area	1	10	0	10	0	0	None
Support Area	2	1	0	1	0	22.59	NA
Total	31	505	255	355	1,353.89	4,161.10	538.24

Notes

1 Number of samples collected includes aliquots that were tested separately.
2 The net weight of material carried by each truck, as determined by the NSA Crane truck scale, was used to determine the amount of material disposed.
NA Not Applicable (material obtained from on-site source)

TABLE 3-2

VERIFICATION SAMPLE RESULTS
AREA 1 - BUILDING 166
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF001A	Floor	2	11/5/2008	25	1	6.9
13SOCF002A	Floor	2	11/5/2008	25	1	8.4 J
13SOCF003A	Floor	2	11/5/2008	25	1	7.3 J
13SOCF016B	Floor	4	12/3/2008	25	1	0.027
13SOCF026B	Floor	4	12/5/2008	25	1	ND
13SOCW003A	Wall	0-2	11/5/2008	1	1	0.10 J
13SOCW004A	Wall	0-2	11/5/2008	1	1	ND
13SOCW005A	Wall	0-2	11/5/2008	1	1	ND
13SOCW011A	Wall	0-2	11/5/2008	1	1	ND
13SOCW012A	Wall	0-2	11/5/2008	1	1	ND
13SOCF017A	Floor	2	12/3/2008	25	2	0.19 J
13SOCW030A	Wall	0-2	12/3/2008	1	2	ND
13SOCW032A	Wall	0-2	12/3/2008	1	2	ND
13SOCW039A	Wall	0-2	12/5/2008	1	2	ND
13SOCW041A	Wall	0-2	12/5/2008	1	2	0.90
13SOCW042A	Wall	0-2	12/5/2008	1	2	0.012 J
13SOCW073A	Wall	0-2	1/22/2009	1	3	420 (1)
13SOCW043A	Wall-hand auger	0-2	12/18/2008	1	Exploratory	0.61
13SOCW060A	Wall-hand auger	0-2	1/7/2009	1	Exploratory	0.13 J

Notes
1 Soil was removed from the Area 1A excavation located near sample 13SOCW073A. Samples 13SOCW077A and 13SOCF056C confirmed the cleanup goals were met in the excavation just beyond sample 13SOCW073A.
ND Non-detect
J Estimated

TABLE 3-3

VERIFICATION SAMPLE RESULTS
AREA 1A - BUILDING 166 ADDITIONAL EXCAVATION
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)[1]
13SOCF057C	Floor	2	6/17/2009	25	1	0.70
13SOCF058C	Floor	2	6/17/2009	25	1	6.1 J
13SOCF059C	Floor	2	6/17/2009	25	1	0.54
13SOCF061C	Floor	2	6/23/2009	25	1	26 (2)
13SOCF062C	Floor	2	6/23/2009	25	1	0.28
13SOCW080A	Wall	0-2	6/17/2009	25	1	0.93
13SOCW081A	Wall	0-2	6/17/2009	25	1	11 J
13SOCW082A	Wall	0-2	6/17/2009	25	1	3.0
13SOCW083A	Wall	0-2	6/17/2009	25	1	4.9 J
13SOCW085A	Wall	0-2	6/17/2009	25	1	11 J
13SOCW086A	Wall	0-2	6/17/2009	25	1	0.49
13SOCW087A	Wall	0-2	6/18/2009	25	1	0.30
13SOCW088A	Wall	0-2	6/18/2009	25	1	0.24
13SOCW089A	Wall	0-2	6/18/2009	25	1	0.33
13SOCW090A	Wall	0-2	6/18/2009	25	1	1.4
13SOCW095A	Wall	0-2	6/23/2009	25	1	0.45
13SOCW096A	Wall	0-2	6/23/2009	25	1	2.5
13SOCW097A	Wall	0-2	6/23/2009	25	1	1.8
13SOCW098A	Wall	0-2	6/23/2009	25	1	1.1
13SOCW099A	Wall	0-2	6/23/2009	25	1	8.8
13SOCW100A	Wall	0-2	6/23/2009	25	1	2.2 J
13SOCF063	Floor	2	7/31/2009	25	2	0.078
13SOCW102	Wall	0-2	7/31/2009	25	2	ND
13SOCW103	Wall	0-2	7/31/2009	25	2	0.021
13SOCW104	Wall	0-2	7/31/2009	25	2	ND
13SOCW105	Wall	0-2	7/31/2009	25	2	0.056
13SOCW111A	Wall-hand auger	0-2	9/9/2009	25	3	0.065 J
13SOCW112A	Wall-hand auger	0-2	9/9/2009	25	3	ND
13SOCW113A	Wall-hand auger	0-2	9/9/2009	25	3	0.32

Notes
1 Shaded results indicate result exceeded the cleanup goal
2 Due to the slight exceedance of the TSCA Low Occupancy standard and the fact that the location is a floor sample covered with 2 feet of clean fill, the Navy determined that further excavation at this location was not necessary.
J Estimated
ND Non-detect

TABLE 3-4

VERIFICATON SAMPLE RESULTS
AREA 1B - BUILDING 166 SUMP
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet)	Date	PRG (ppm)	Sample Round	Test Kit Results (Total PCBs in ppm)	Validated Lab Result (Total PCBs in ppm)
13SD079	Sediment	0-0.5	1/22/2009	1	1	1.1 (1)	NA
13SD080	Sediment	0-0.5	1/22/2009	1	1	8.4 (1)	NA
13SD081	Sediment	0-0.5	1/22/2009	1	1	ND	NA

Notes
1 Sediment was excavated from the concrete trenches up to sample 13SD081. No confirmation samples were collected after the excavation of this sediment because no sediment remained at the locations of samples 13SD079 and 13SD080.
ND Non-detect
NA Not Applicable

TABLE 3-5

VERIFICAITON SAMPLE RESULTS
AREA 2 - BUILDING 171
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF004A	Floor	2	11/12/2008	25	1	4.2
13SOCF006A	Floor	2	11/12/2008	25	1	1.0 J
13SOCF007A	Floor	2	11/12/2008	25	1	16 J
13SOCF012A	Floor	2	11/20/2008	25	1	1.1
13SOCF018A	Floor	2	12/4/2008	25	1	0.16 J
13SOCF019A	Floor	2	12/4/2008	25	1	2.2 J
13SOCF020A	Floor	2	12/4/2008	25	1	1.5 J
13SOCF022A	Floor	2	12/4/2008	25	1	0.23
13SOCF024A	Floor	2	12/4/2008	25	1	14 J
13SOCF030A	Floor	2	12/30/2008	25	1	9.7 J
13SOF064A	Floor-aliquot	2	1/28/2010	25	1	0.045
13SOF064B	Floor-aliquot	2	1/28/2010	25	1	0.27
13SOF064C	Floor-aliquot	2	1/28/2010	25	1	3.6
13SOF064D	Floor-aliquot	2	1/28/2010	25	1	101 (2)
13SOCW017A	Wall	0-2	11/12/2008	1	1	0.43 J
13SOCW025A	Wall	0-2	11/20/2008	1	1	0.11 J
13SOCW026A	Wall	0-2	11/20/2008	1	1	0.77
13SOCW033A	Wall	0-2	12/4/2008	1	1	0.028 J
13SOCW034A	Wall	0-2	12/4/2008	1	1	ND
13SOCW036A	Wall	0-2	12/4/2008	1	1	0.20 J
13SOCW037A	Wall	0-2	12/4/2008	1	1	0.10 J
13SOCF025B	Floor	3	12/4/2008	25	2	0.056
13SOCF027B	Floor	4	12/22/2008	25	2	6.2
13SO2CF029A[1]	Floor	2	1/7/2009	25	2	5.3 J
13SOCF031B	Floor	4	1/7/2009	25	2	0.36 J
13SOCW046A	Wall-hand auger	0-2	12/18/2008	1	2	ND
13SOCW048A	Wall-hand auger	0-2	12/18/2008	1	2	0.93 J
13SOCW054A	Wall	0-2	1/7/2009	1	2	0.40

Notes

1 Sample 13SO2CF029A is a composite of aliquots B and C from sample 13SOCF029A. These aliquots were renamed 13SO2F029BA and 13SO2F029CA, field tested, and a composite was sent to the lab (13SO2CF029A)

2 Soil was removed from the Area 2A excavation located near sample 13SOF064D. No floor sample was collected at the bottom of the final excavation because excavation proceeded to bedrock.

ND Non-detect

J Estimated

TABLE 3-6

VERIFICAITON SAMPLE RESULTS
AREA 2A - BUILDING 171 ADDITIONAL EXCAVATION
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCW125	Wall	2-5	4/21/2010	25	2	0.044 J
13SOCF092	Floor	2	7/9/2010	25	3	0.20
13SOCF093	Floor	2	7/9/2010	25	3	1.3
13SOCW126	Wall	3-7	7/8/2010	25	3	0.41
13SOCW127	Wall	3-7	7/8/2010	25	3	0.24
13SOCW128	Wall	3-7	7/8/2010	25	3	0.041
13SOCW129	Wall	3-7	7/8/2010	25	3	15
13SOCW131	Wall	2-4	7/8/2010	25	3	0.017 J
13SOCW132	Wall	0-2	7/8/2010	1	3	ND
13SOCW133	Wall	2-4	7/8/2010	25	3	ND
13SOCW134	Wall	0-2	7/8/2010	1	3	0.012 J
13SOCW135	Wall	2-4	7/8/2010	25	3	ND
13SOCW137	Wall	2-4	7/8/2010	25	3	0.4
13SOCW138	Wall	2-4	7/8/2010	25	3	1.8
13SOCW139	Wall	0-2	7/9/2010	1	3	ND
13SOCW140	Wall	0-2	7/9/2010	1	3	ND
13SOCW141	Wall	0-2	7/9/2010	1	3	0.026 J
13SOCW142	Wall	0-2	7/9/2010	1	3	ND
13SOCW143	Wall	0-2	7/9/2010	1	3	0.35 J
13SOCW144	Wall	0-2	7/9/2010	1	3	ND
13SOCW145	Wall	2-7	7/9/2010	25	3	0.52
13SOCW146	Wall	4-6	7/9/2010	25	3	0.20
13SOCW147	Wall	0-2	7/9/2010	1	3	ND
13SOCW148	Wall	2-6	7/9/2010	25	3	ND

TABLE 3-6

VERIFICAITON SAMPLE RESULTS
AREA 2A - BUILDING 171 ADDITIONAL EXCAVATION
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCW149	Wall	0-2	7/9/2010	1	3	ND
13SOCW150	Wall	2-6	7/9/2010	25	3	ND
13SOCW151	Wall	0-2	7/9/2010	1	3	0.29 J
13SOCW152	Wall	0-2	7/9/2010	1	3	0.028 J
13SOCW157	Wall	3-7	7/9/2010	25	3	ND
13SOCW158	Wall	3-7	7/9/2010	25	3	0.11 J
13SOCW154	Wall	2-4	7/9/2010	25	4	4.4
13SOCW156	Wall	3-7	7/9/2010	25	4	0.011 J
13SOCW159	Wall	3-7	7/9/2010	25	4	0.0092 J
13SOCW160	Wall	2-4	7/9/2010	25	4	ND
13SOCW161	Wall	2-4	7/9/2010	25	4	ND
13SOCW163	Wall	0-2	7/10/2010	1	4	0.22
13SOCF094	Floor	2	7/14/2010	25	5	0.15
13SOCW164	Wall	0-2	7/14/2010	1	5	0.011 J
13SOCW165	Wall	3-7	7/19/2010	25	5	2.0

Notes
ND Non-detect
J Estimated

TABLE 3-7

VERIFICATION SAMPLE RESULTS
AREA 2B - BUILDING 171 TRENCHES AND SUMP
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13WP001	Wipe	surface	12/3/2008	1	1	ND
13WP002	Wipe	surface	12/3/2008	1	1	ND
13WP003	Wipe	surface	12/3/2008	1	1	0.050 J
13WP004	Wipe	surface	12/3/2008	1	1	ND
13WP005	Wipe	surface	12/3/2008	1	1	ND
13WP006	Wipe	surface	12/3/2008	1	1	ND
13WP007	Wipe	surface	12/3/2008	1	1	ND
13WP008	Wipe	surface	12/3/2008	1	1	ND
13WP009	Wipe	surface	12/3/2008	1	1	ND
13SD077	sump	0-1	11/20/2008	1	Exploratory	5.5 (1)
13SD078	sump	0-1	11/20/2008	1	Exploratory	13 (1)

Notes
1 All sediment was cleaned out of the sump from which samples 13SD077 and 13SD078 were collected. No confirmation samples were collected after excavation of this sediment because no sediment remained in the sump.
ND Non-detect

TABLE 3-8

VERIFICATION SAMPLE RESULTS
AREA 3 - BUILDING 171 EAST DRAINAGE CHANNEL
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13WP010	Wipe	surface	2/5/2009	1	1	0.012
13WP011	Wipe	surface	2/5/2009	1	1	0.0042
13SOCF032B[1]	Floor	2	1/7/2009	1	1	0.14
13SOCF034B[1]	Floor	2	1/7/2009	1	1	0.16
13SOW022BA	Wall-aliquot	2	11/20/2008	1	1	0.43
13SOW022CA	Wall-aliquot	2	11/20/2008	1	1	0.97
13SOCW055B[1]	Wall	2	1/7/2009	1	1	0.30 J
13SOCF035B	Floor	3	1/7/2009	1	2	0.057 J
13SOCF037B	Floor	3	1/7/2009	1	2	0.25
13SOCF052C	Floor	3.5	1/22/2009	1	2	0.14
13SOCW051B	Wall	3	12/30/2008	1	2	0.50
13SOCW072C	Wall	3.5	1/22/2009	1	2	0.057 J
13SOF050C	Floor-aliquot	4.5	1/22/2009	1	3	0.062
13SO2CF051C[2]	Floor	3.5	1/22/2009	1	3	0.23 J
13SOCW057C[4]	Wall	4	1/7/2009	1	3	ND
13SOCF060C[3]	Floor	5.5	6/23/2009	1	4	0.07
13SOCW091A	Wall	5.5	6/23/2009	1	4	ND
13SOCW092A	Wall	5.5	6/23/2009	1	4	0.045
13SOCW093A	Wall	5.5	6/23/2009	1	4	0.98
13SOCW094A	Wall	5.5	6/23/2009	1	4	0.10
13SOW075AD	Wall-aliquot	7.5	2/5/2009	1	5	ND

Notes

1 After the initial area 2 excavation was completed, this area became Area 3 due to the presence of a culvert. The excavation was expanded and these samples were collected in the new excavation. Area 2 sample 13SOCF008A was collected in what later became Area 3 prior to discovering it was a drainage channel.

2 13SO2CF051C is made up of aliquots A, B, and C from 13SOCF051C.

3 The area around Aliquot 13SOF051BC was mistakenly excavated instead of aliquot 13SOF051DC. 13SOF055BD was collected at the overexcavation of 13SOF051BC. The area around 13SOF051DC was later excavated and sample 13SOCF060C was collected from that area.

4 Composite sample 13SOCW057C is made up of aliquots A, B, and C. Aliquot D was not included in composite sample.

ND Non-detect

J Estimated

TABLE 3-9

VERIFICAITON SAMPLE RESULTS
AREA 4 - BUILDING 171 WEST DRAINAGE CHANNEL
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF039A	Floor	2	1/15/2009	1	1	0.36 J
13SOCF040A[1]	Floor	2	1/15/2009	1	1	0.66 J
13SOCF042A	Floor	2	1/15/2009	1	1	0.18 J
13SOCF043A	Floor	2	1/15/2009	1	1	ND
13SOCF044A	Floor	2	1/15/2009	1	1	0.011 J
13SOCF045A	Floor	2	1/15/2009	1	1	0.033 J
13SOCF046A	Floor	2	1/15/2009	1	1	ND
13SOCF047A	Floor	2	1/15/2009	1	1	0.036 J
13SOCF048A	Floor	2	1/15/2009	1	1	ND
13SOCF049A	Floor	2	1/15/2009	1	1	ND
13SOCW063A[2]	Wall	2	1/15/2009	1	1	0.51 J
13SOCW065A	Wall	2	1/15/2009	1	1	0.27 J
13SOCW066A	Wall	2	1/15/2009	1	1	0.062
13SOCW067A	Wall	2	1/15/2009	1	1	0.015 J
13SOCW068A	Wall	2	1/15/2009	1	1	0.073
13SOCW069A	Wall	2	1/15/2009	1	1	0.077 J
13SOCW070A	Wall	2	1/15/2009	1	1	ND
13WP012A	Wipe	surface	2/5/2009	1	1	0.0039
13WP013A	Wipe	surface	2/5/2009	1	1	0.0023
13SOCF053B	Floor	3	1/22/2009	1	2	0.28 J
13SOCF054B	Floor	3	1/22/2009	1	2	0.20
13SOCW074B	Wall	3	1/22/2009	1	2	0.31 J

Notes
1 Composite sample 13SOCF040A was comprised of aliquots A, B, and D. Aliquot C was excavated and not included in the composite.
2 Composite sample 13SOCW063A was comprised of aliquots A, B, and C. Aliquot D was excavated and not included in the composite.
ND Non-detect
J Estimated

TABLE 3-10

VERIFICATION SAMPLE RESULTS
AREA 5 - BUILDING 169 DRAINAGE CHANNEL
SWMU 13 INTERIM MEASUR3ES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF013A	Floor	2	11/20/2008	1	1	0.013 J
13SOCF014A	Floor	2	11/20/2008	1	1	0.048 J
13SOCF015A	Floor	2	11/20/2008	1	1	0.49 J
13SOCW028A	Wall	2	11/20/2008	1	1	0.048 J
13SOCW029A	Wall	2	11/20/2008	1	1	0.067 J

J Estimated

TABLE 3-11

VERIFICATION SAMPLE RESULTS
AREA 5A - BUILDING 169 SUMP AND CULVERT
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF071	Floor	2	3/18/2010	25	1	0.56
13SOCF072	Floor	2	3/18/2010	25	1	0.018 J
13SOCW114	Wall	0-2	3/18/2010	1	1	0.56
13SOCW115	Wall	0-2	3/18/2010	1	1	0.052
13SOCW116	Wall	0-2	3/18/2010	1	1	0.090
13SOCW117	Wall	0-2	3/18/2010	1	1	ND
13SOCW118	Wall	0-2	3/18/2010	1	1	ND
13WP014A	Wipe	surface	2/5/2009	1	1	ND
13WP015A	Wipe	surface	2/5/2009	1	1	ND

Notes
ND Non-detect
J Estimated

TABLE 3-12

SAMPLE RESULTS
SUPPORT AREAS
SWMU 13 INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Sample Round	Validated Lab Result (Total PCBs in ppm)
13SOCF066	Floor	0.5	12/18/2009	1	1	0.75
13SOCF067	Floor	0.5	12/18/2009	1	1	0.048
13SOCF068	Floor	0.5	12/18/2009	1	1	0.067
13SOCF069	Floor	0.5	12/18/2009	1	1	0.33
13SOCF070	Floor	0.5	12/18/2009	1	1	0.069
13SOCF074	Floor	2	3/18/2010	1	2	0.44

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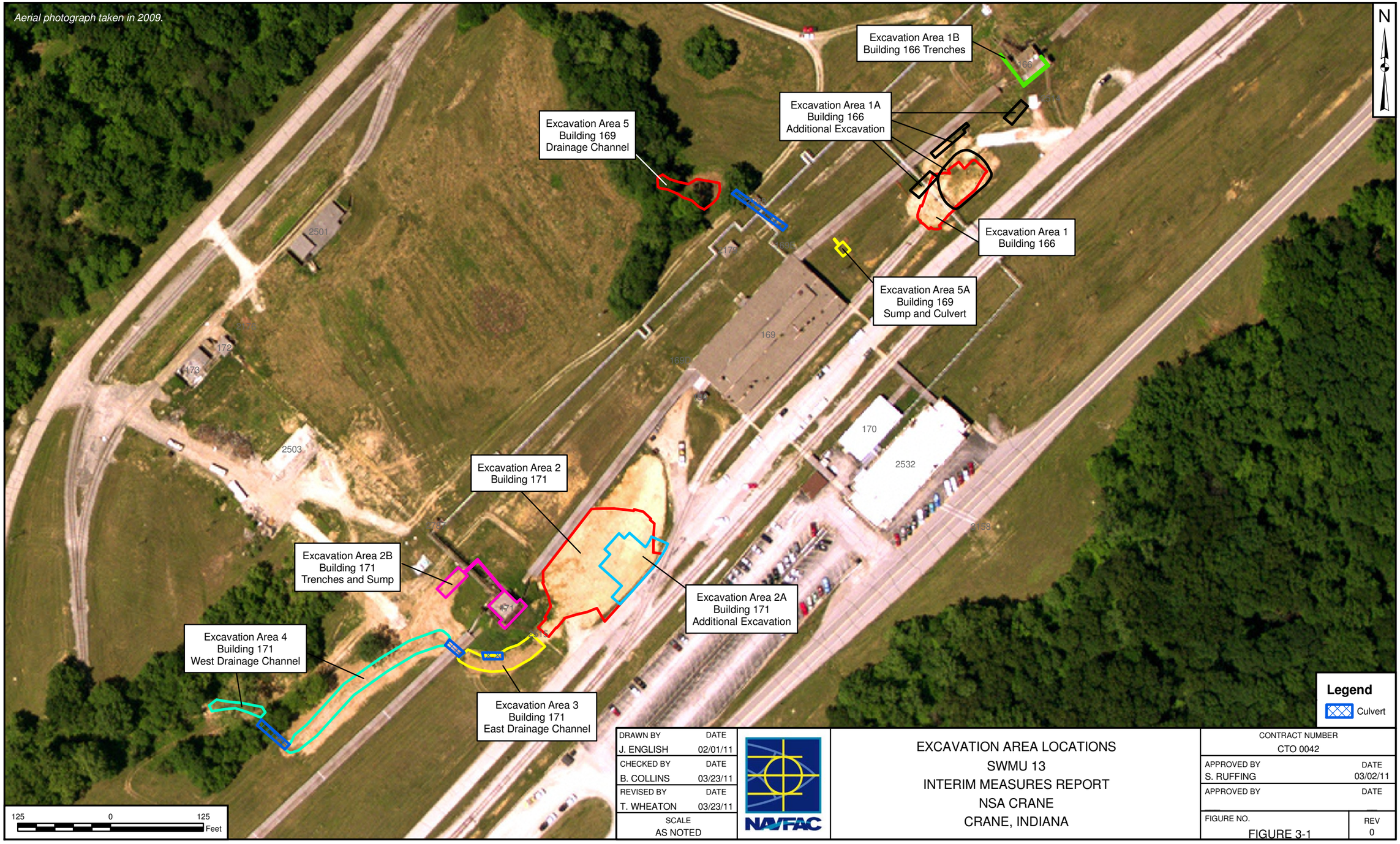

DRAWN BY	DATE
J. ENGLISH	02/01/11
CHECKED BY	DATE
B. COLLINS	03/23/11
REVISED BY	DATE
T. WHEATON	03/23/11
SCALE	
AS NOTED	

NAVFAC

EXCAVATION AREA LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 3-1	0

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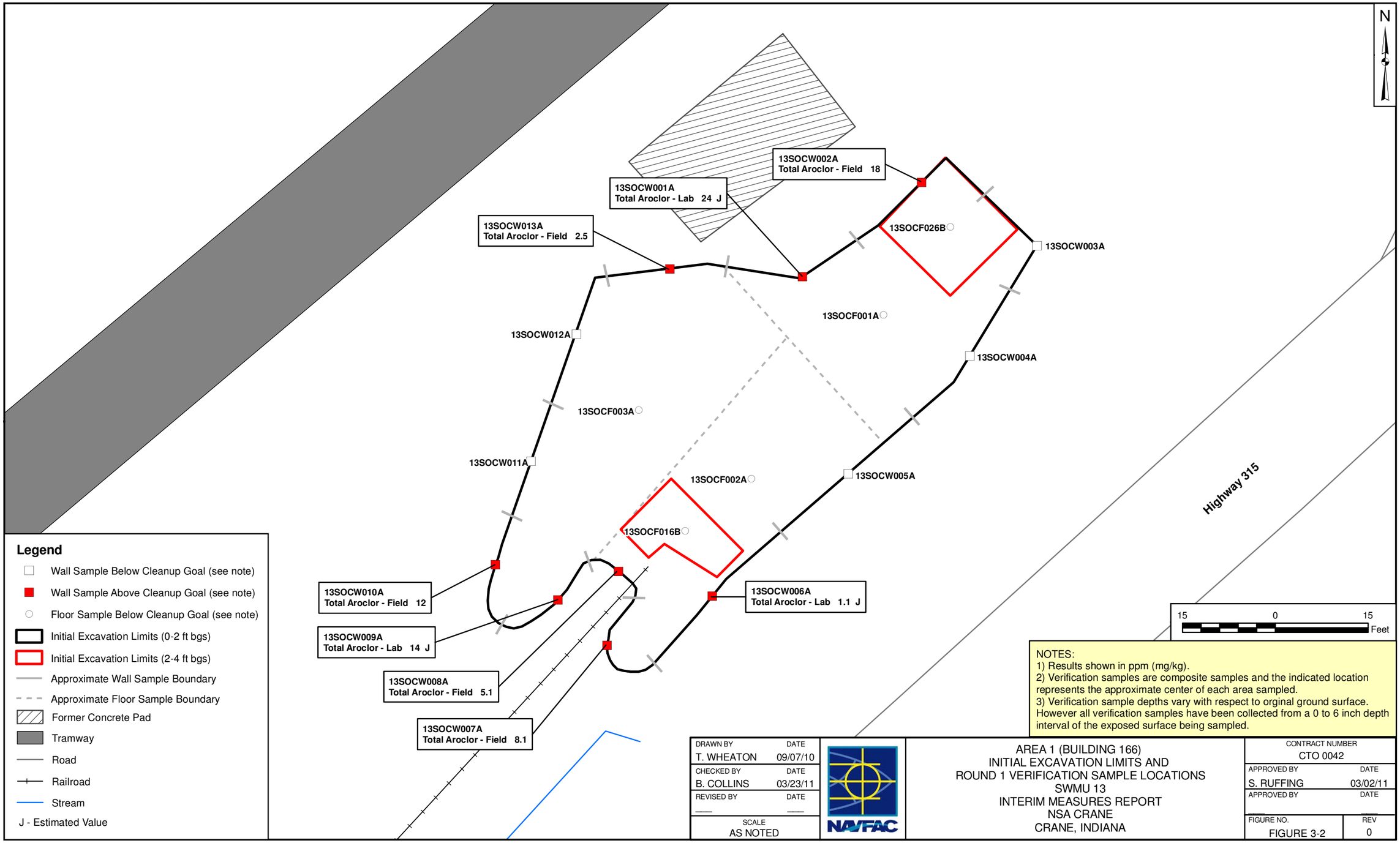

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY T. WHEATON	DATE 09/07/10	AREA 1 (BUILDING 166) INITIAL EXCAVATION LIMITS AND ROUND 1 VERIFICATION SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/23/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY —	DATE —		APPROVED BY — DATE —
SCALE AS NOTED			FIGURE NO. FIGURE 3-2 — REV 0

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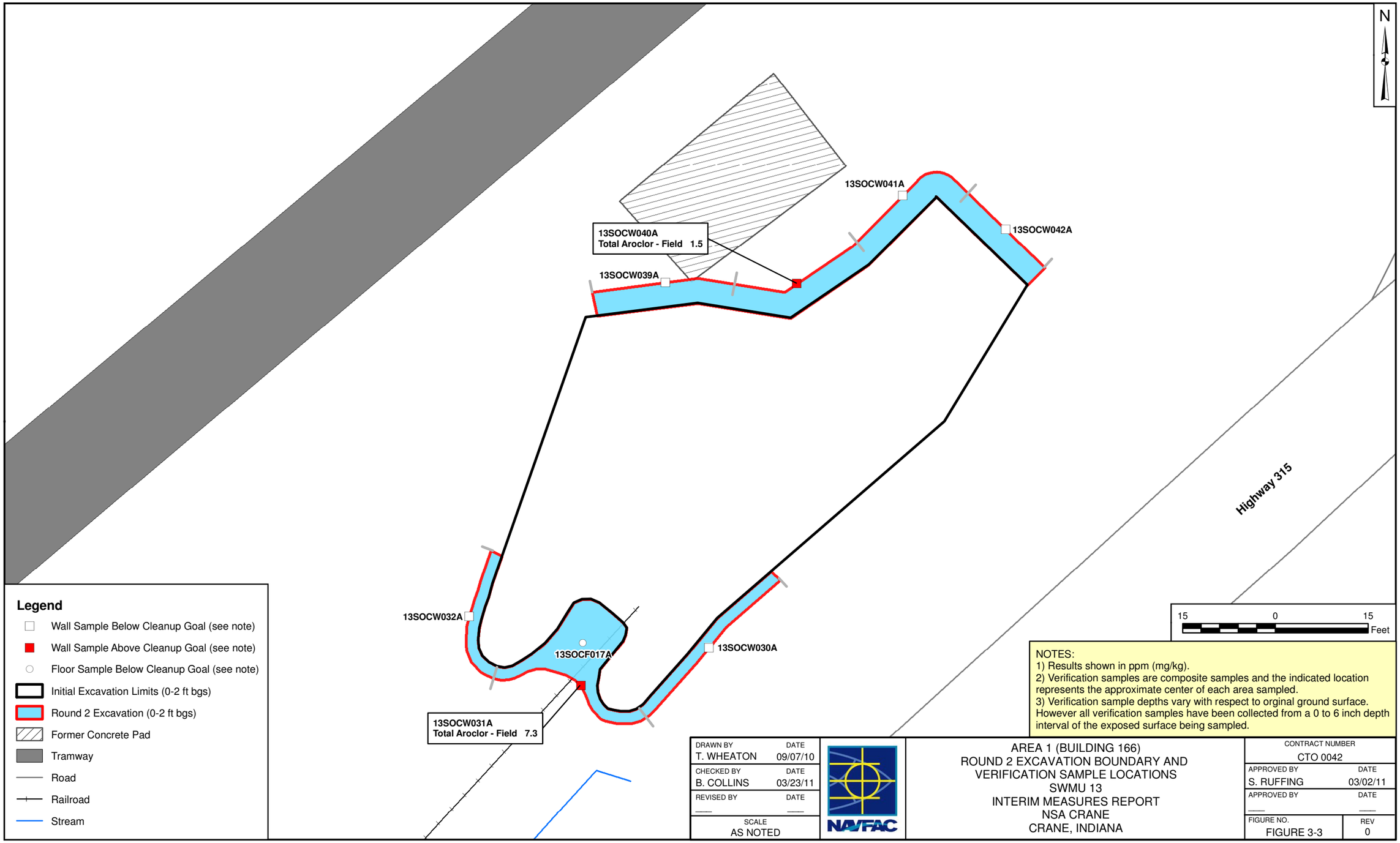

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY T. WHEATON	DATE 09/07/10	AREA 1 (BUILDING 166) ROUND 2 EXCAVATION BOUNDARY AND VERIFICATION SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/23/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY ___	DATE ___		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-3 — REV 0

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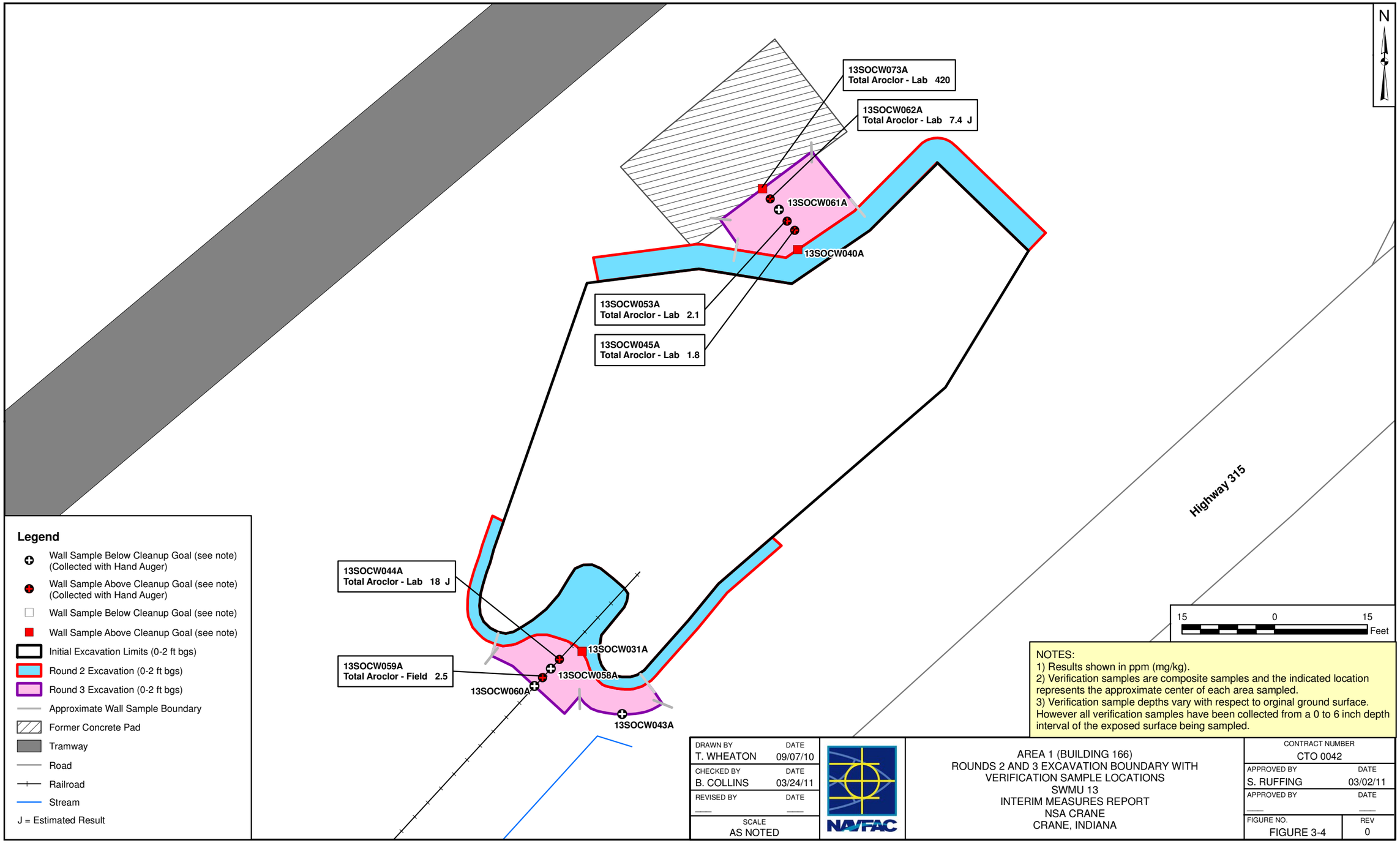
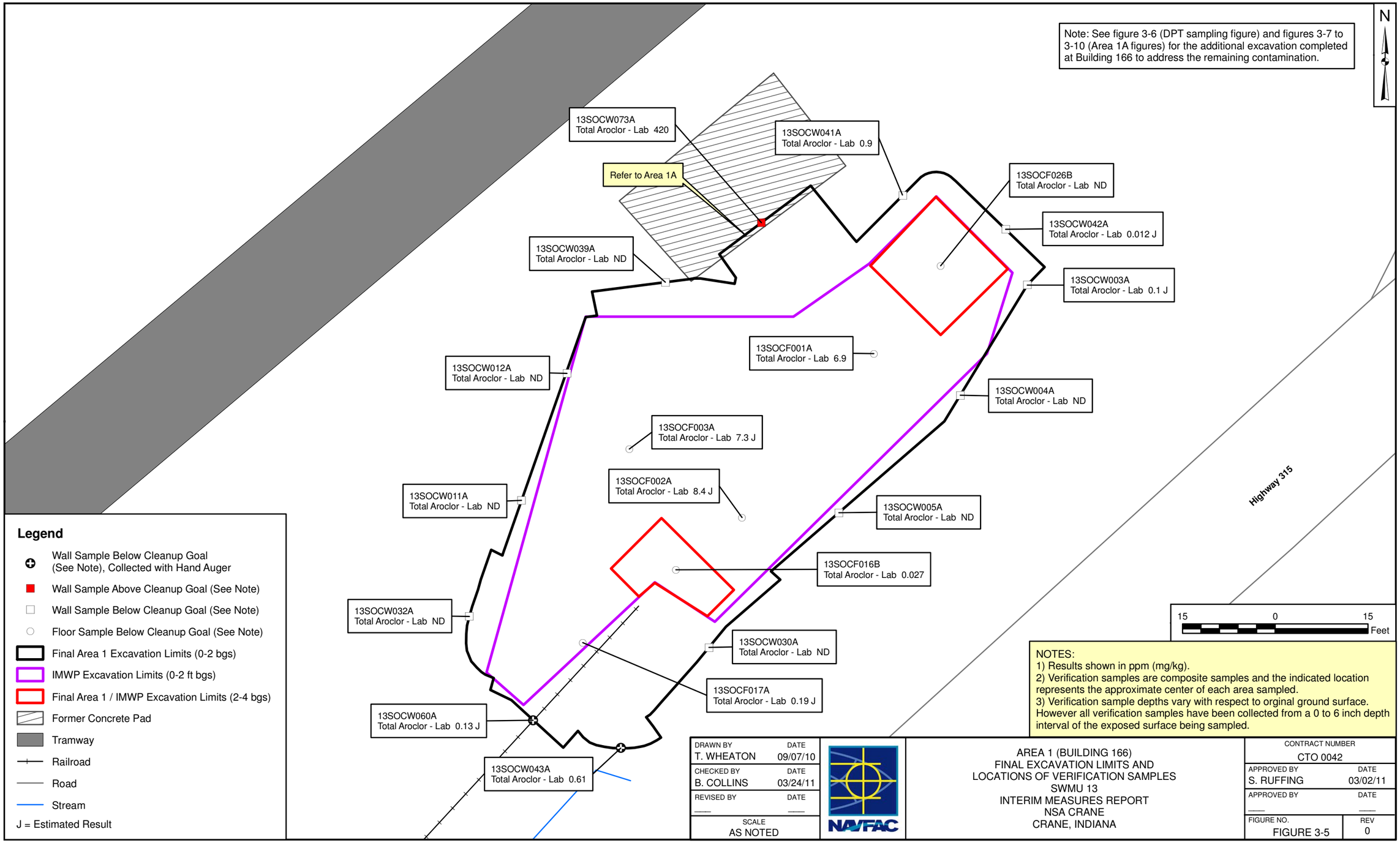


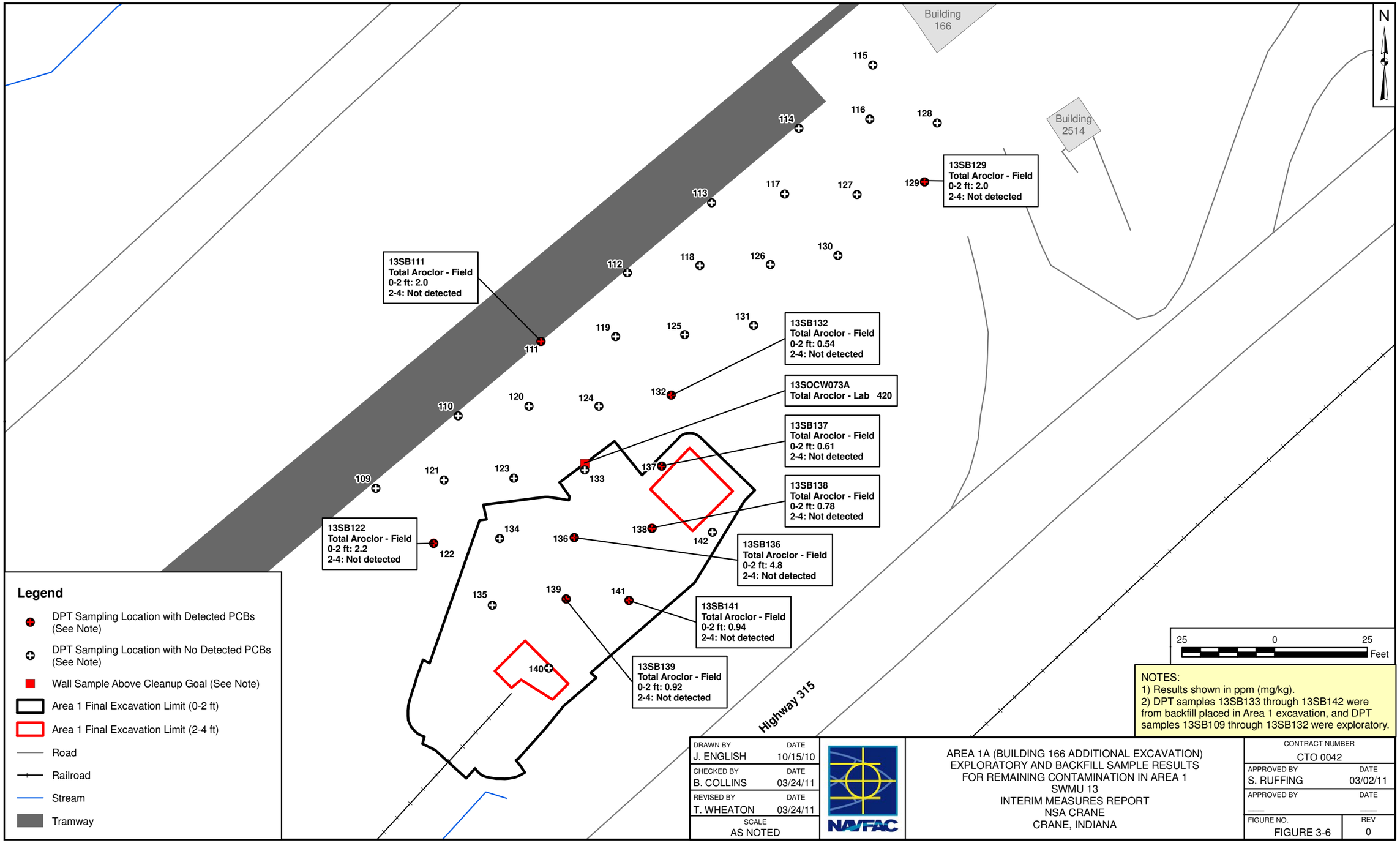
NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY T. WHEATON	DATE 09/07/10	AREA 1 (BUILDING 166) ROUNDS 2 AND 3 EXCAVATION BOUNDARY WITH VERIFICATION SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY ___	DATE ___		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-4 — REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1_FINAL_EXCAVATION.MXD 03/24/11 TW



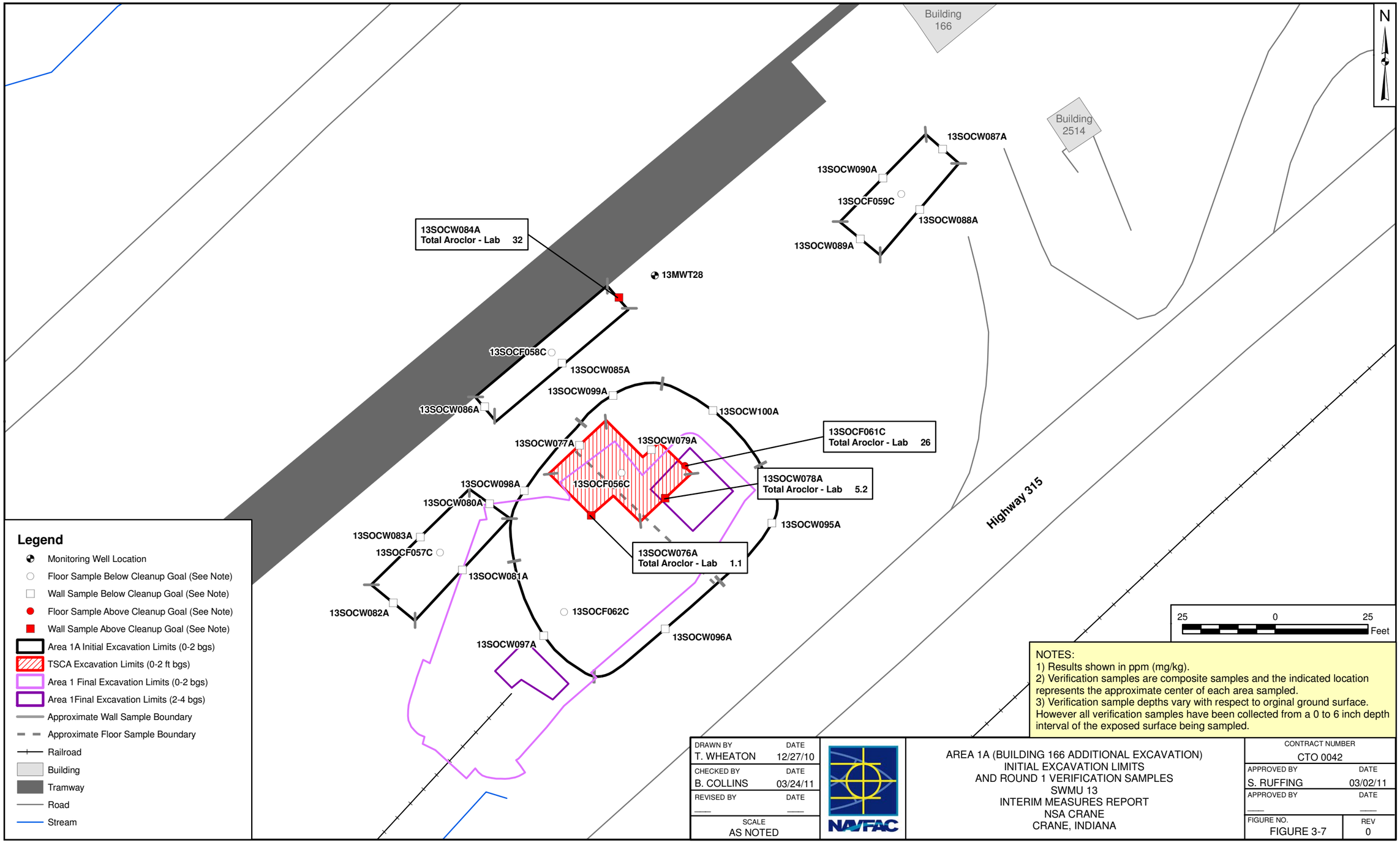
P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1_REMAINING_CONTAMINATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) DPT samples 13SB133 through 13SB142 were from backfill placed in Area 1 excavation, and DPT samples 13SB109 through 13SB132 were exploratory.

DRAWN BY J. ENGLISH	DATE 10/15/10	AREA 1A (BUILDING 166 ADDITIONAL EXCAVATION) EXPLORATORY AND BACKFILL SAMPLE RESULTS FOR REMAINING CONTAMINATION IN AREA 1 SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/24/11		APPROVED BY ____ — DATE ____
SCALE AS NOTED			FIGURE NO. FIGURE 3-6 — REV 0

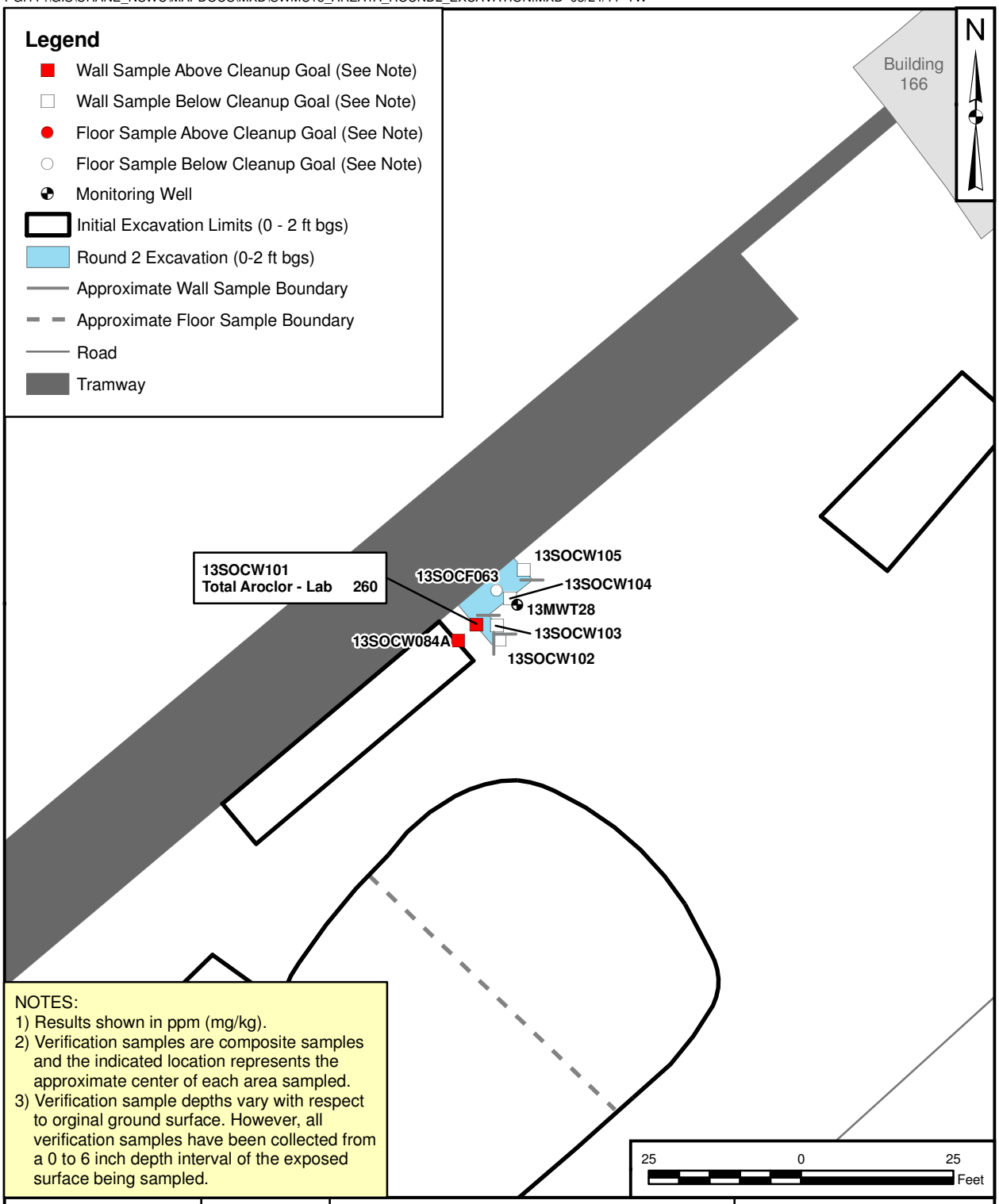
P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1A_INITIAL_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY T. WHEATON	DATE 12/27/10	AREA 1A (BUILDING 166 ADDITIONAL EXCAVATION) INITIAL EXCAVATION LIMITS AND ROUND 1 VERIFICATION SAMPLES SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY ___	DATE ___		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-7 — REV 0

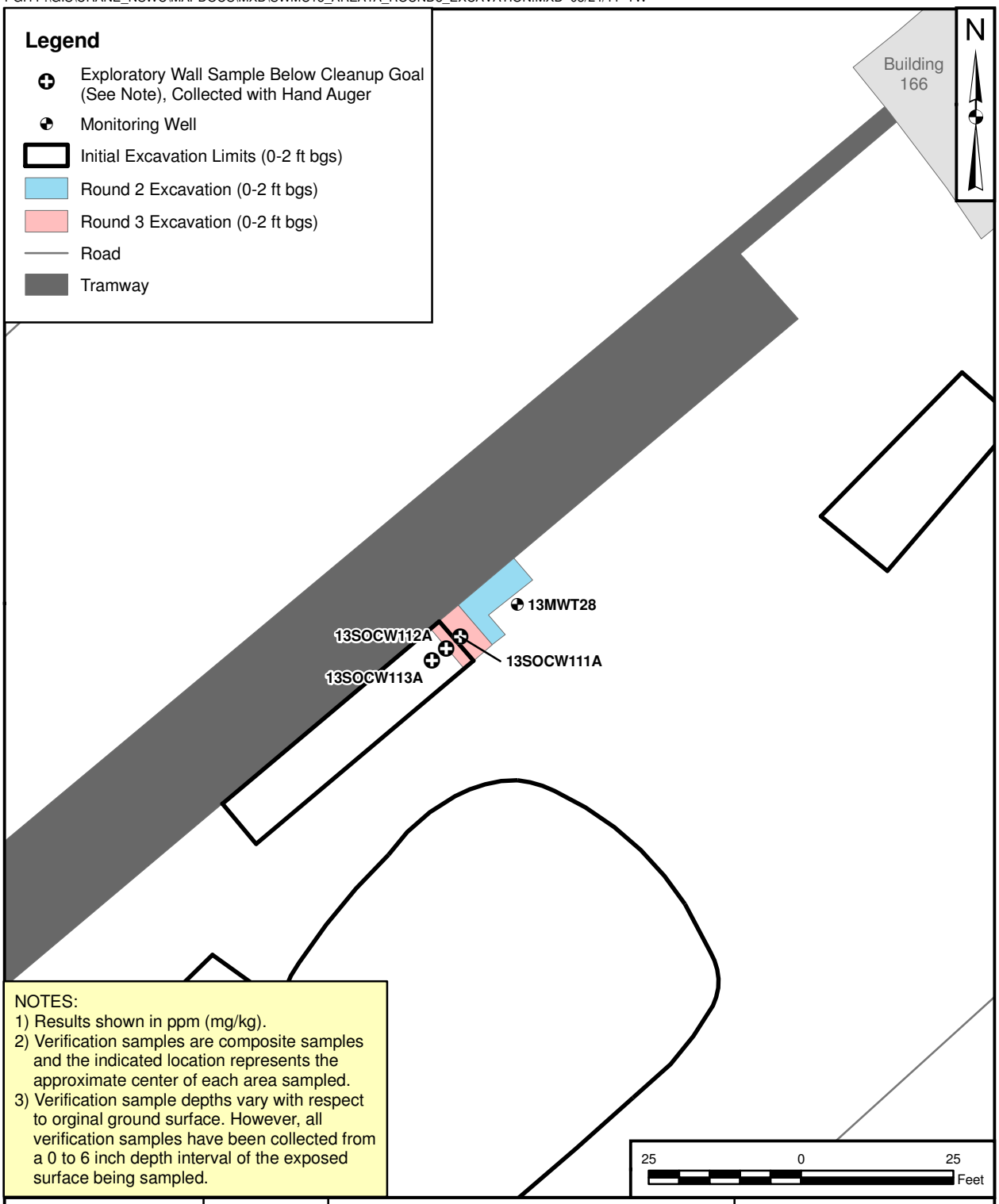
PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1A_ROUND2_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY J. ENGLISH	DATE 01/13/11	AREA 1A (BUILDING 166 ADDITIONAL EXCAVATION) ROUND 2 EXCAVATION LIMITS AND VERIFICATION SAMPLES SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/24/11		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-8 — REV 0

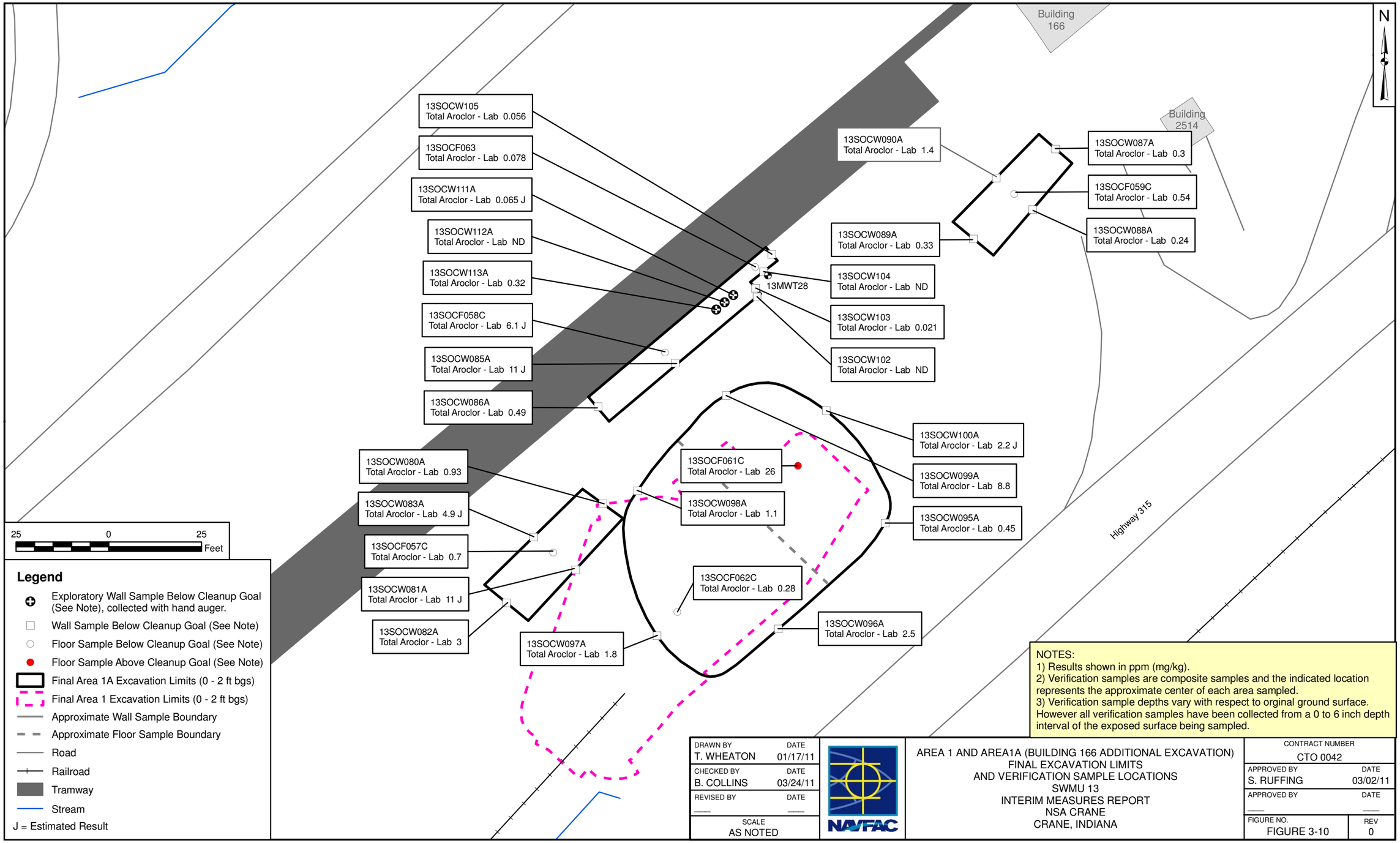
PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1A_ROUND3_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY J. ENGLISH	DATE 01/14/11	AREA 1A (BUILDING 166 ADDITIONAL EXCAVATION) ROUND 3 EXCAVATION LIMITS AND VERIFICATION SAMPLES SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/24/11		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-9 — REV 0

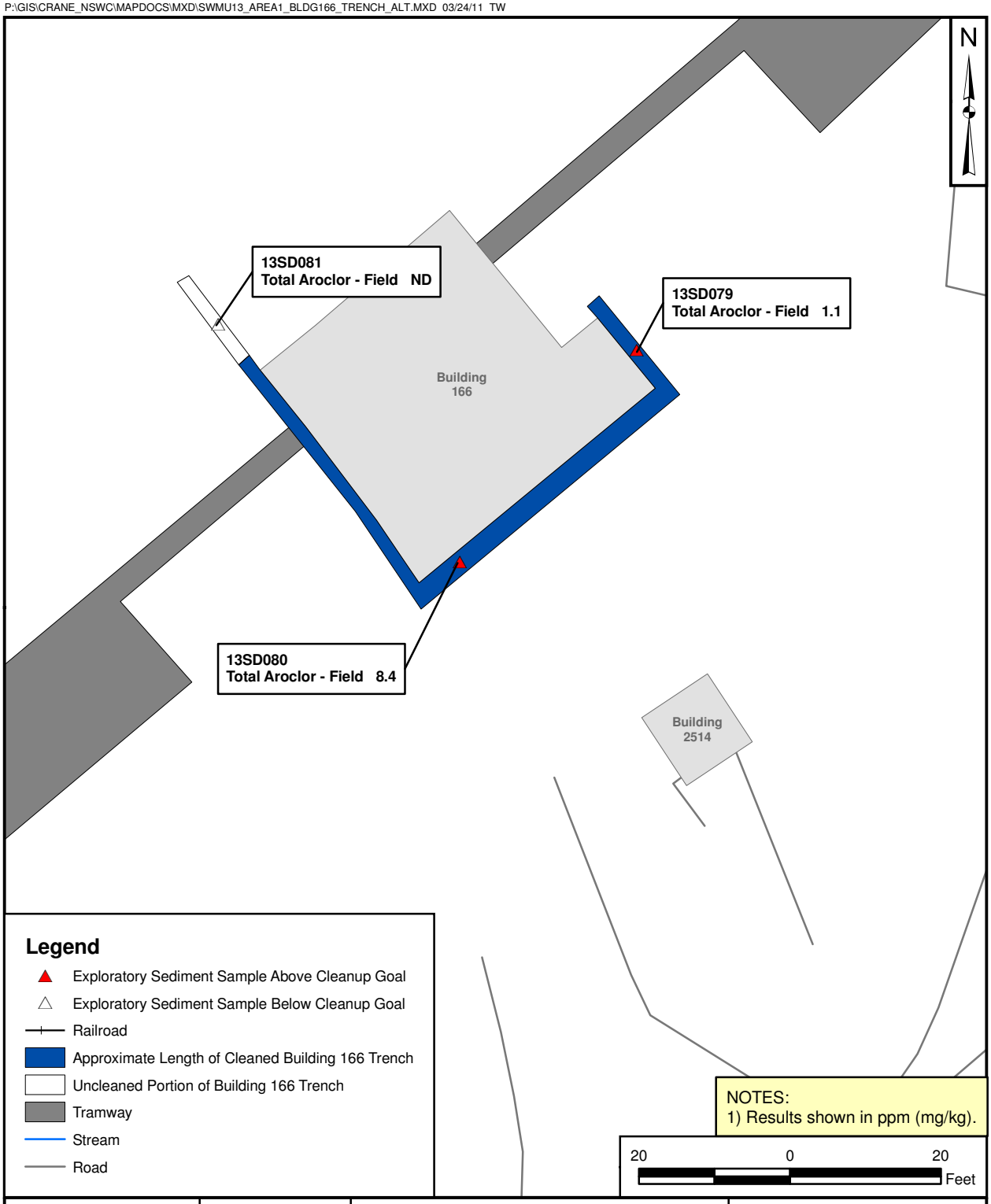
P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1A_FINAL_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to orginal ground surface. However all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

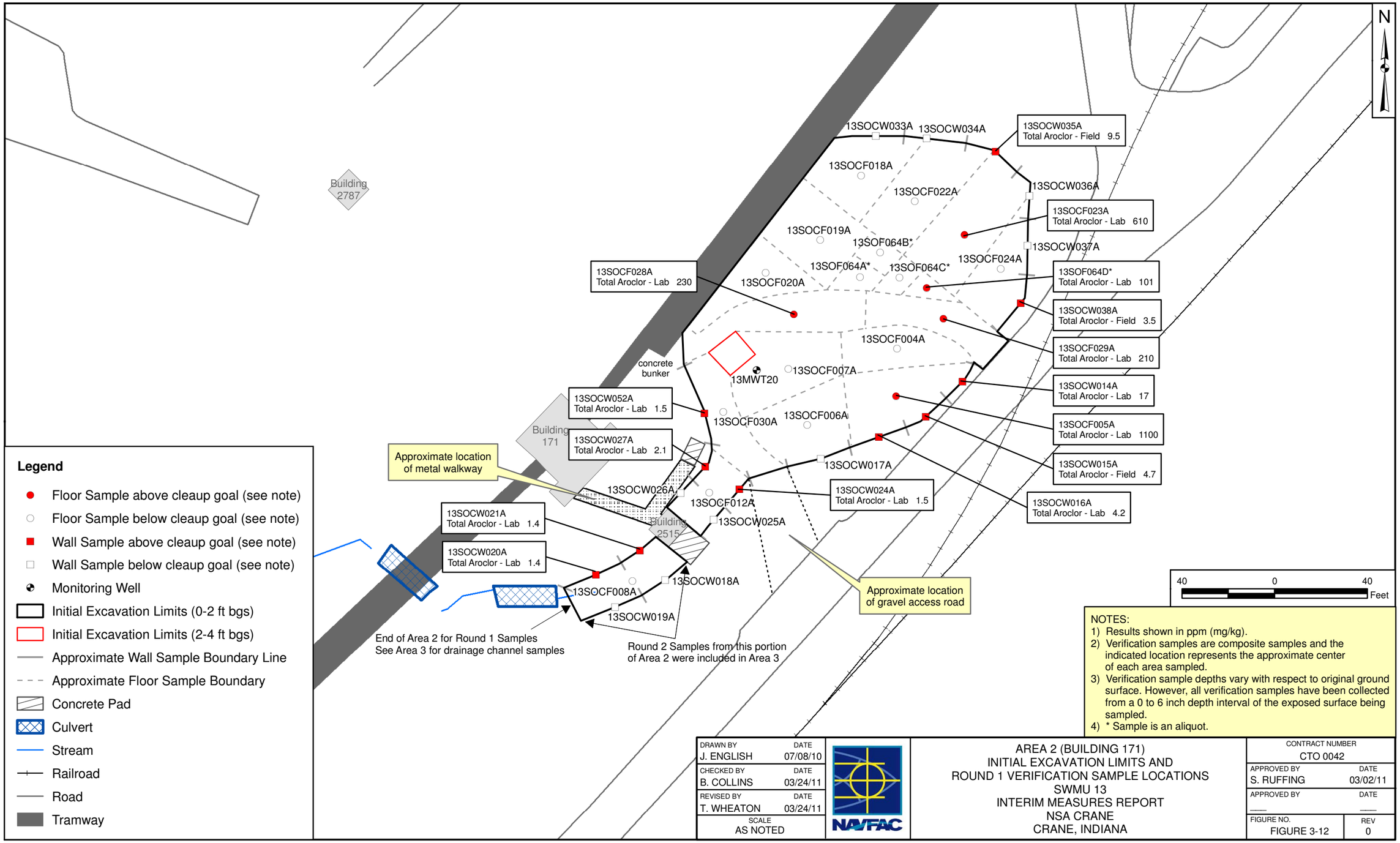
DRAWN BY T. WHEATON	DATE 01/17/11	AREA 1 AND AREA1A (BUILDING 166 ADDITIONAL EXCAVATION) FINAL EXCAVATION LIMITS AND VERIFICATION SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY ___	DATE ___		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-10 — REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA1_BLDG166_TRENCH_ALT.MXD 03/24/11 TW



DRAWN BY J. ENGLISH	DATE 01/14/11	AREA 1B (BUILDING 166 TRENCHES) EXPLORATORY SEDIMENT SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042	
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING	DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/24/11		APPROVED BY ___	DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-11	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2_SURVEY_BOUNDARY.MXD 03/24/11 TW



Legend

- Floor Sample above cleaup goal (see note)
- Floor Sample below cleaup goal (see note)
- Wall Sample above cleaup goal (see note)
- Wall Sample below cleaup goal (see note)
- Monitoring Well
- Initial Excavation Limits (0-2 ft bgs)
- Initial Excavation Limits (2-4 ft bgs)
- Approximate Wall Sample Boundary Line
- Approximate Floor Sample Boundary
- Concrete Pad
- Culvert
- Stream
- Railroad
- Road
- Tramway

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.

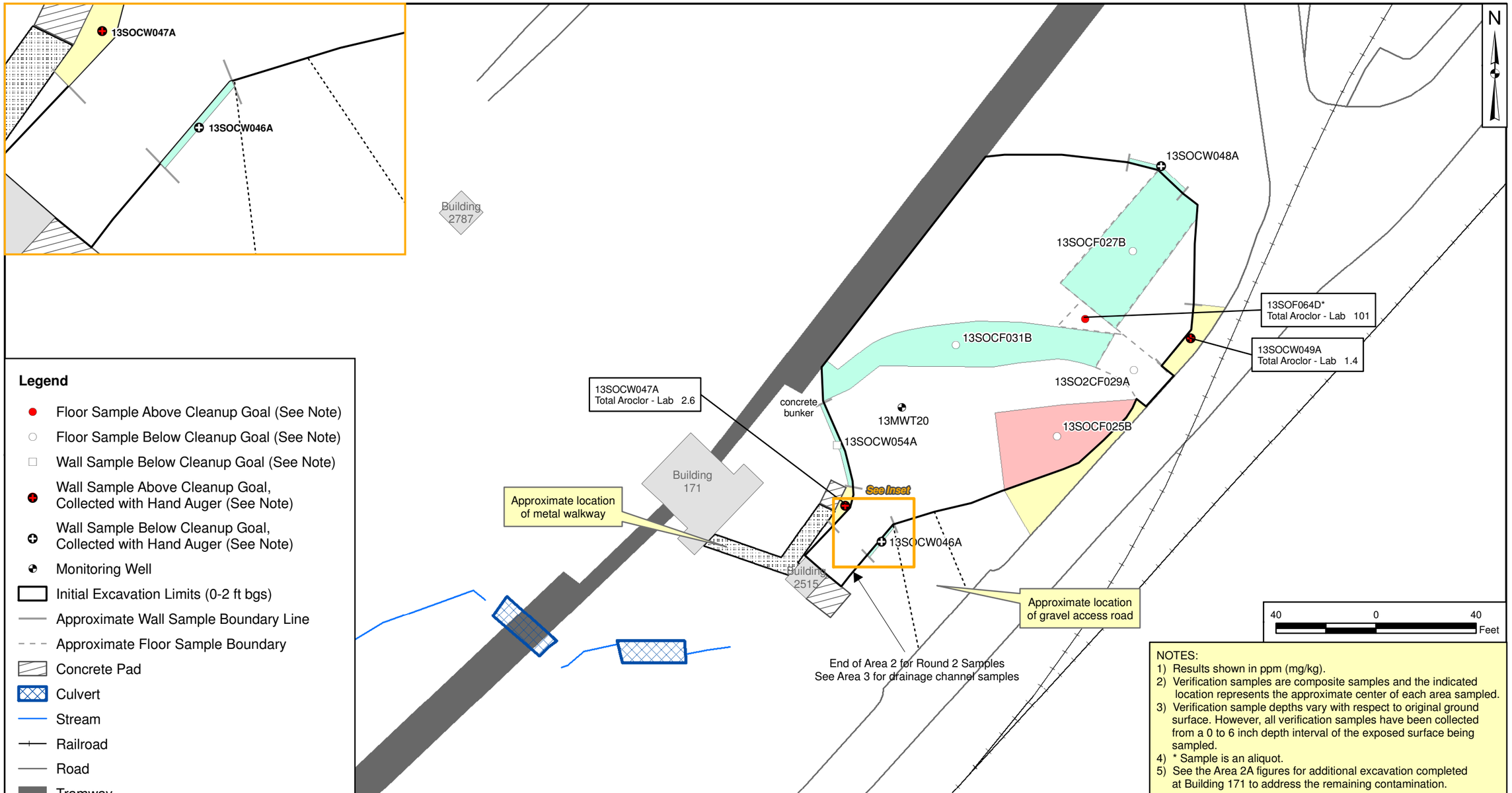
DRAWN BY J. ENGLISH	DATE 07/08/10	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2 (BUILDING 171)
INITIAL EXCAVATION LIMITS AND
ROUND 1 VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-12	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2_ROUND2_EXCAVATION.MXD 03/24/11 TW



Legend

- Floor Sample Above Cleanup Goal (See Note)
- Floor Sample Below Cleanup Goal (See Note)
- Wall Sample Below Cleanup Goal (See Note)
- Wall Sample Above Cleanup Goal, Collected with Hand Auger (See Note)
- Wall Sample Below Cleanup Goal, Collected with Hand Auger (See Note)
- Monitoring Well
- Initial Excavation Limits (0-2 ft bgs)
- Approximate Wall Sample Boundary Line
- Approximate Floor Sample Boundary
- Concrete Pad
- Culvert
- Stream
- Railroad
- Road
- Tramway
- Round 2 Excavation to Concrete or Edge of Road (0-2 ft bgs)
- Round 2 Excavation (2-3 ft bgs)
- Round 2 Excavation (2-4 ft bgs)

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) See the Area 2A figures for additional excavation completed at Building 171 to address the remaining contamination.

DRAWN BY J. ENGLISH	DATE 01/05/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

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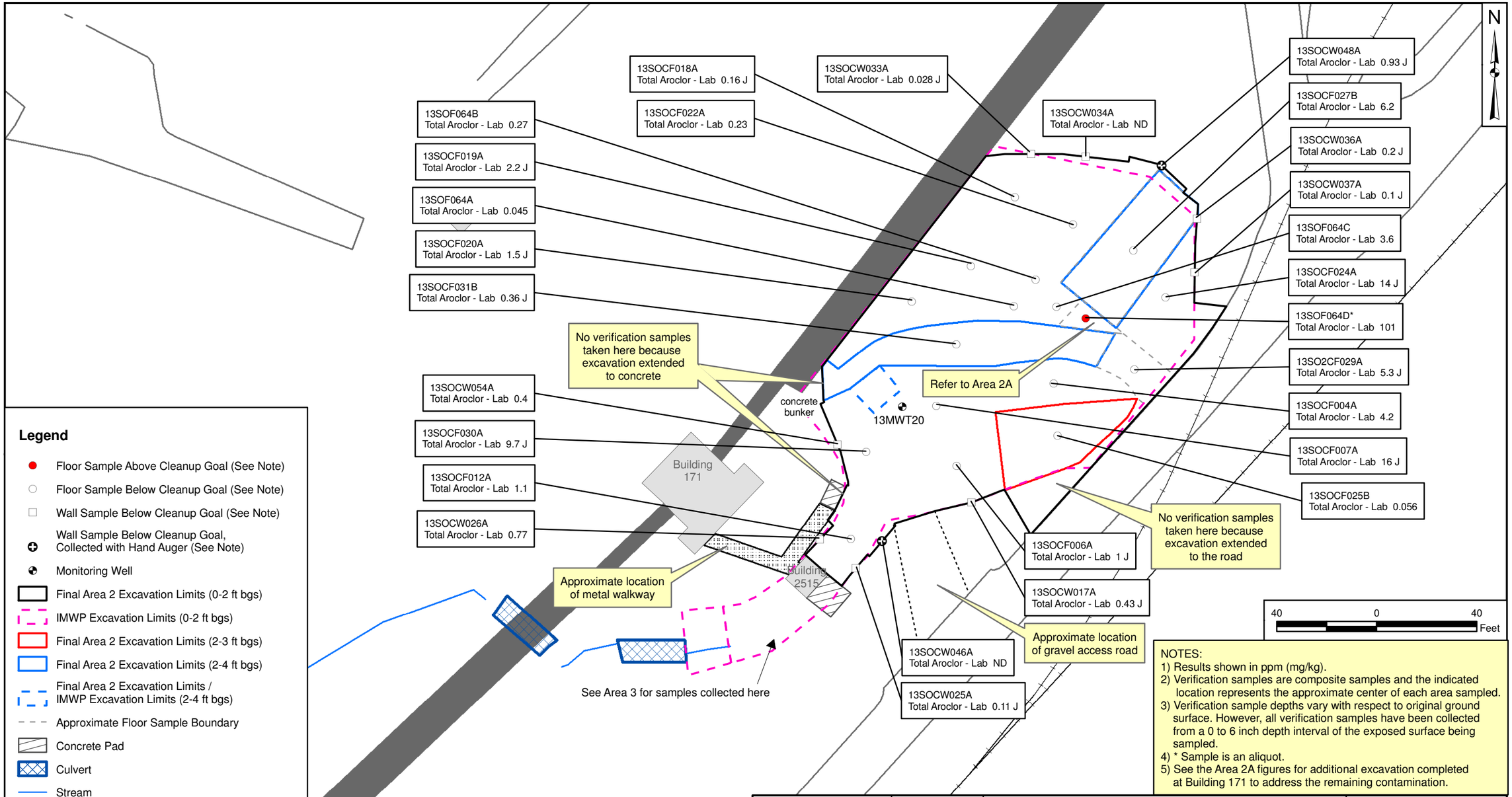
AREA 2 (BUILDING 171)
ROUND 2 EXCAVATION AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-13	REV 0

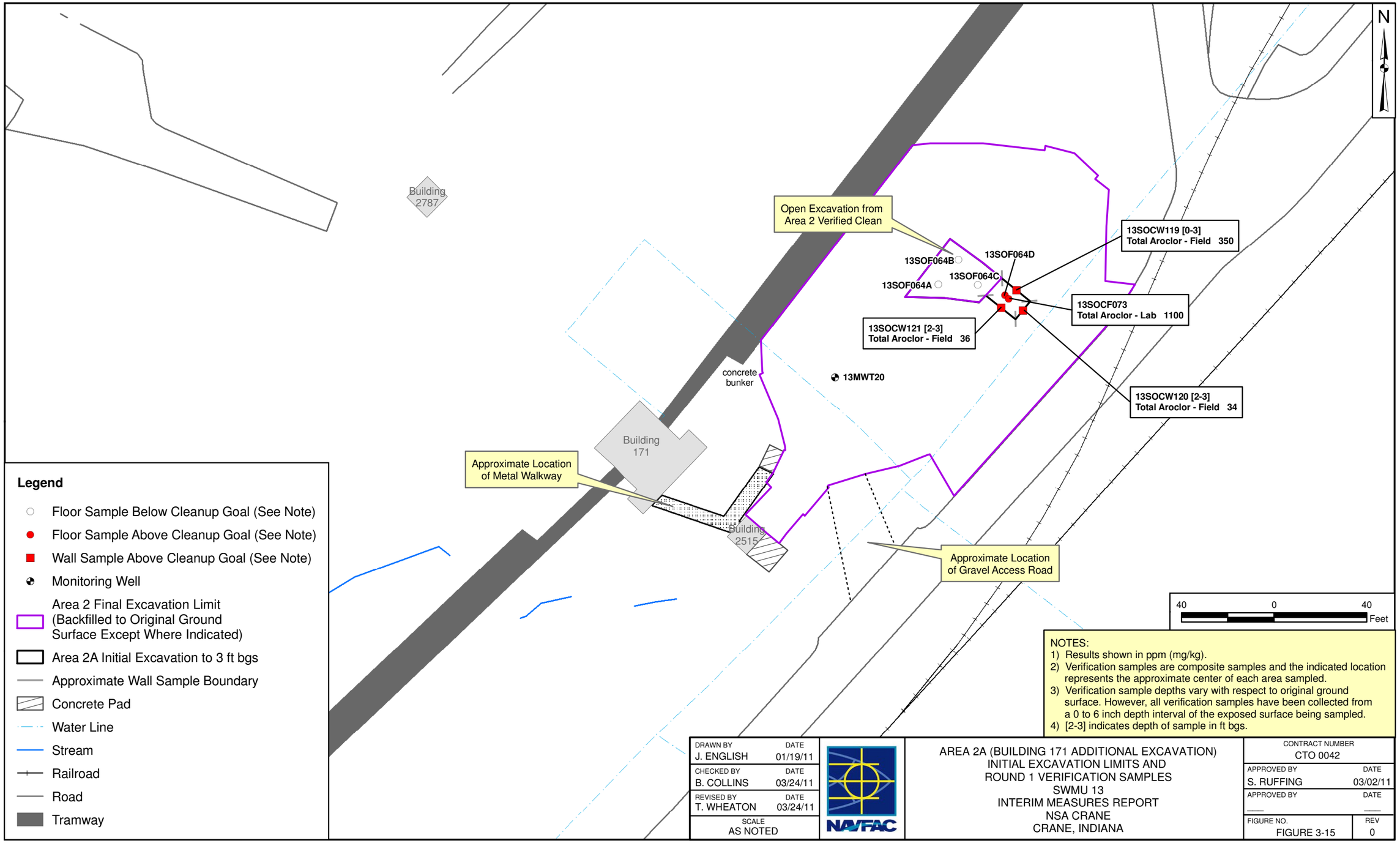
P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2_FINAL_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) See the Area 2A figures for additional excavation completed at Building 171 to address the remaining contamination.

DRAWN BY J. ENGLISH	DATE 01/14/11	AREA 2 (BUILDING 171) FINAL EXCAVATION LIMITS AND VERIFICATION SAMPLE LOCATIONS SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/24/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/24/11		APPROVED BY ____ — DATE ____
SCALE AS NOTED			FIGURE NO. FIGURE 3-14 — REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_INITIAL_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

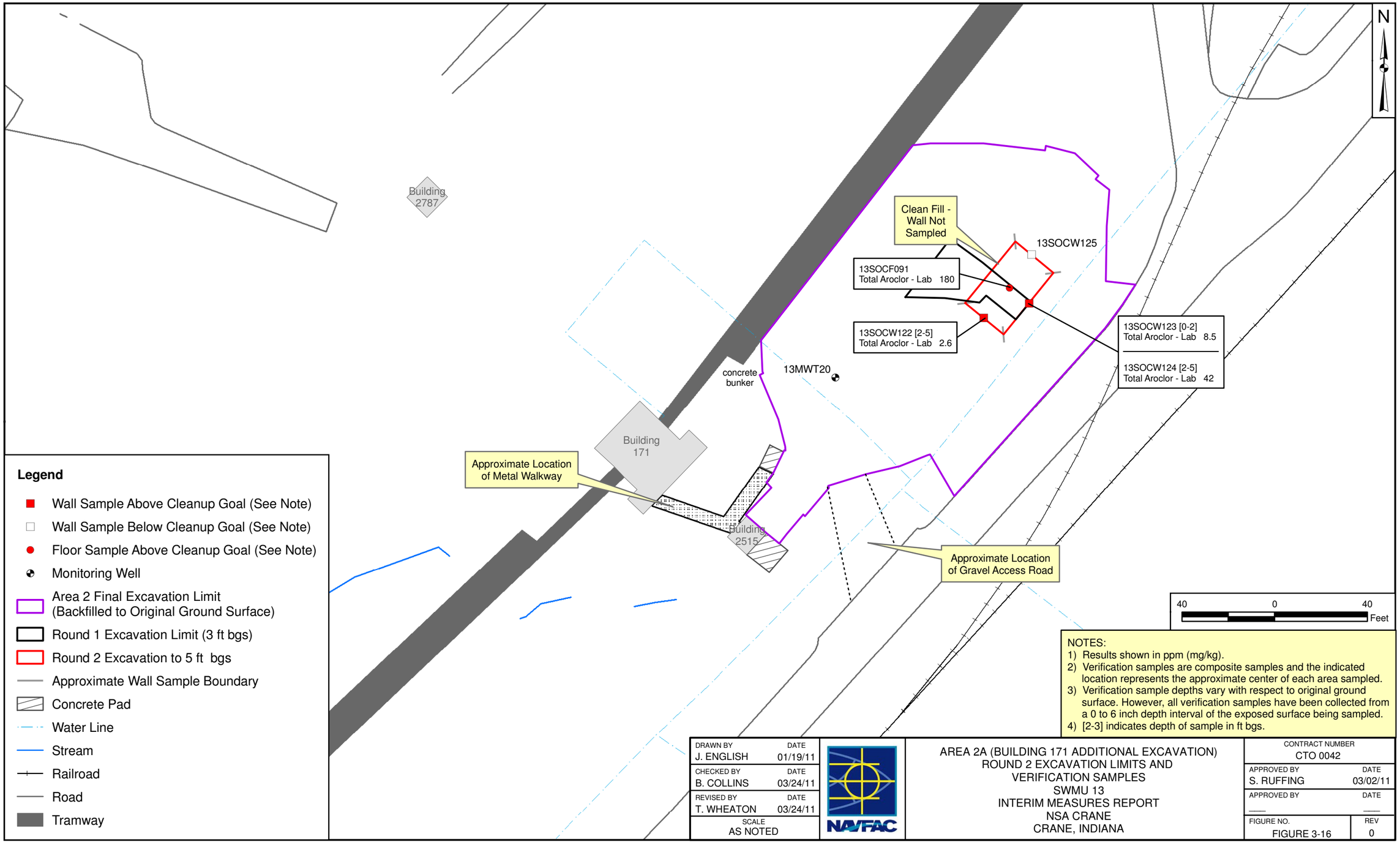
DRAWN BY J. ENGLISH	DATE 01/19/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
INITIAL EXCAVATION LIMITS AND
ROUND 1 VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-15	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_ROUND2_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

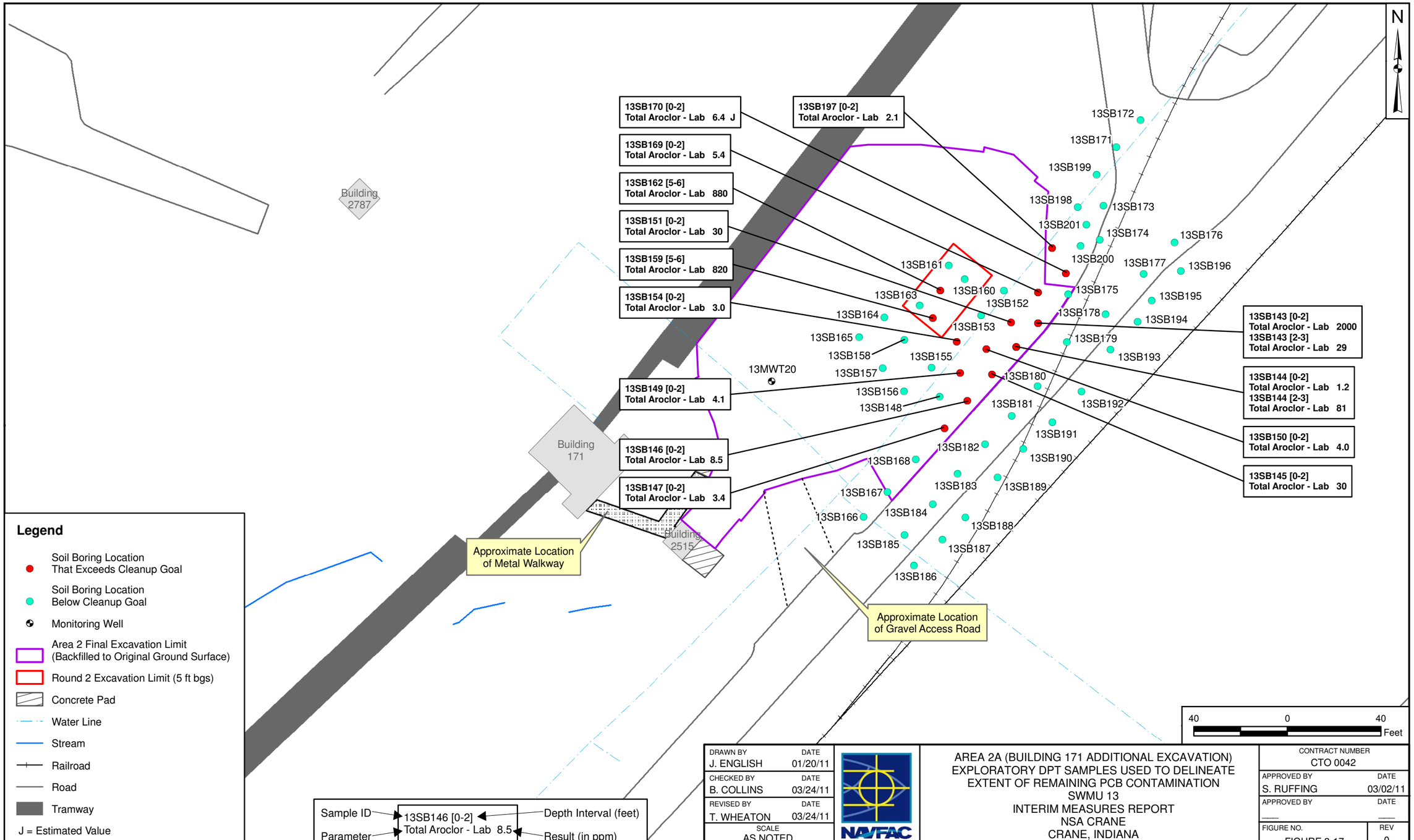
DRAWN BY J. ENGLISH	DATE 01/19/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
ROUND 2 EXCAVATION LIMITS AND
VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-16	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_DPT_SAMPLES.MXD 03/24/11 TW



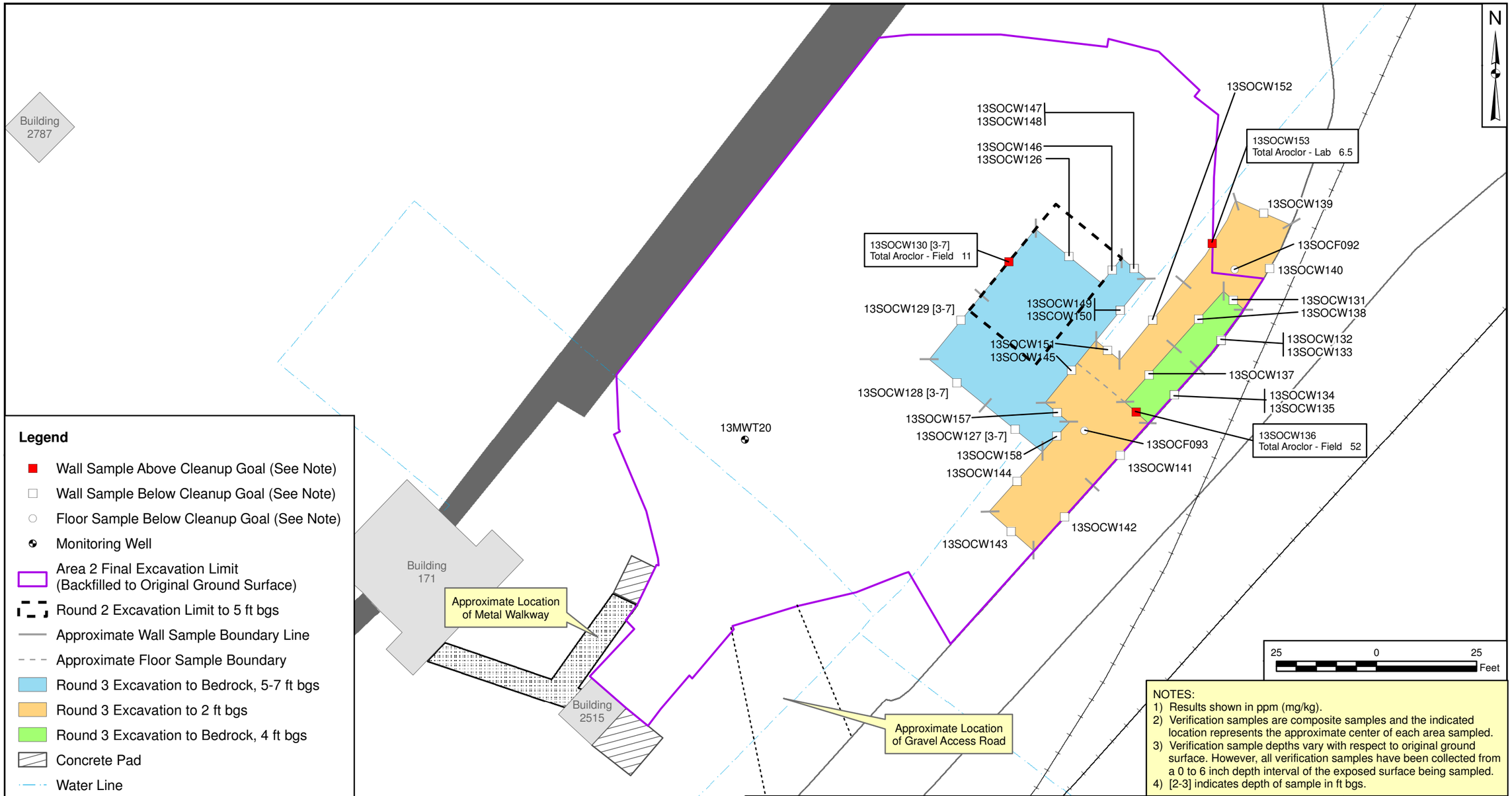
DRAWN BY	DATE
J. ENGLISH	01/20/11
CHECKED BY	DATE
B. COLLINS	03/24/11
REVISED BY	DATE
T. WHEATON	03/24/11
SCALE	
AS NOTED	

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
EXPLORATORY DPT SAMPLES USED TO DELINEATE
EXTENT OF REMAINING PCB CONTAMINATION
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
____	____
FIGURE NO.	REV
FIGURE 3-17	0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_ROUND3_EXCAVATION.MXD 03/24/11 TW



Legend

- Wall Sample Above Cleanup Goal (See Note)
- Wall Sample Below Cleanup Goal (See Note)
- Floor Sample Below Cleanup Goal (See Note)
- Monitoring Well
- Area 2 Final Excavation Limit (Backfilled to Original Ground Surface)
- Round 2 Excavation Limit to 5 ft bgs
- Approximate Wall Sample Boundary Line
- Approximate Floor Sample Boundary
- Round 3 Excavation to Bedrock, 5-7 ft bgs
- Round 3 Excavation to 2 ft bgs
- Round 3 Excavation to Bedrock, 4 ft bgs
- Concrete Pad
- Water Line
- Stream
- Railroad
- Road
- Tramway

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

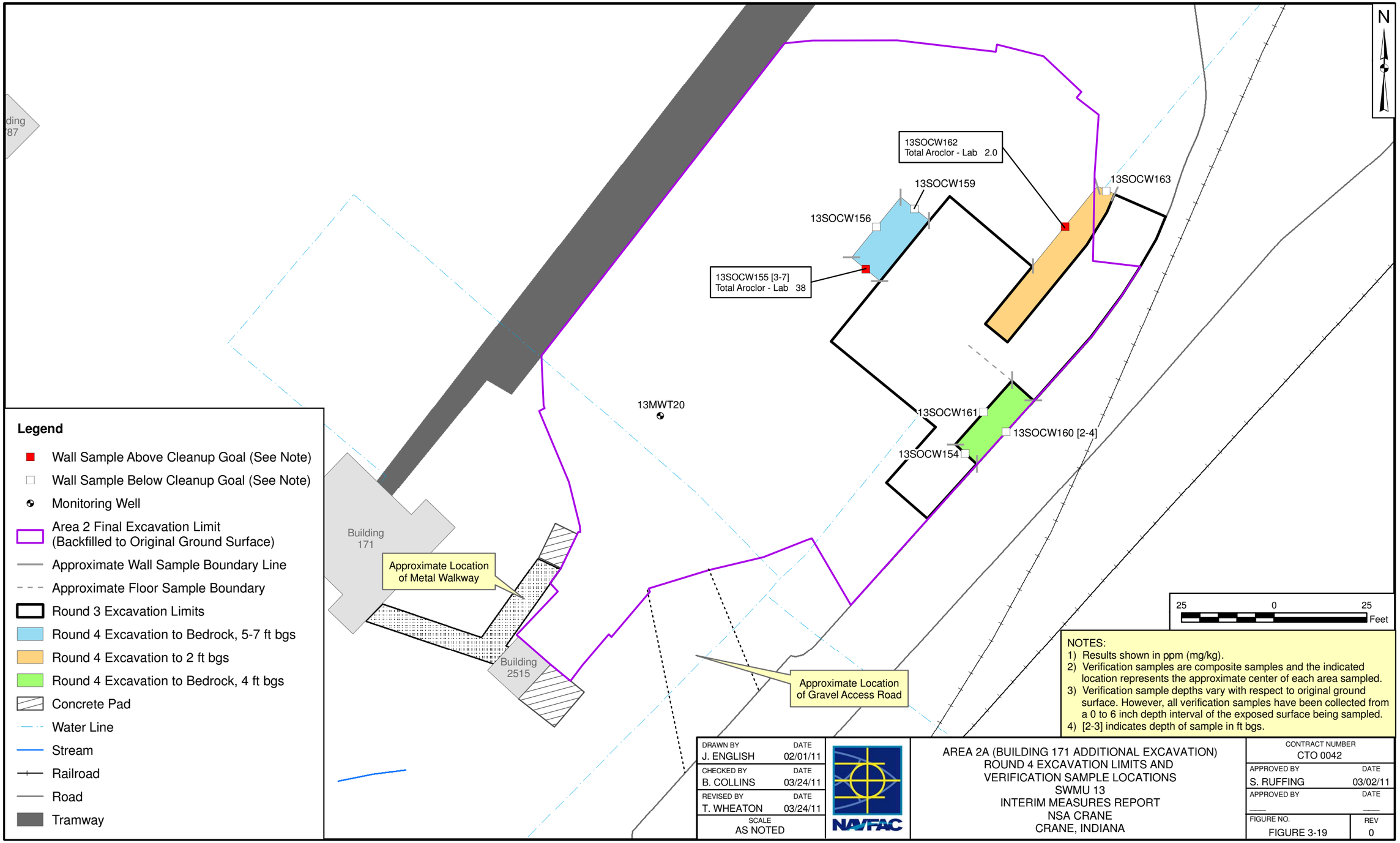
DRAWN BY J. ENGLISH	DATE 01/25/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
ROUND 3 EXCAVATION LIMITS AND
VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-18	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_ROUND4_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

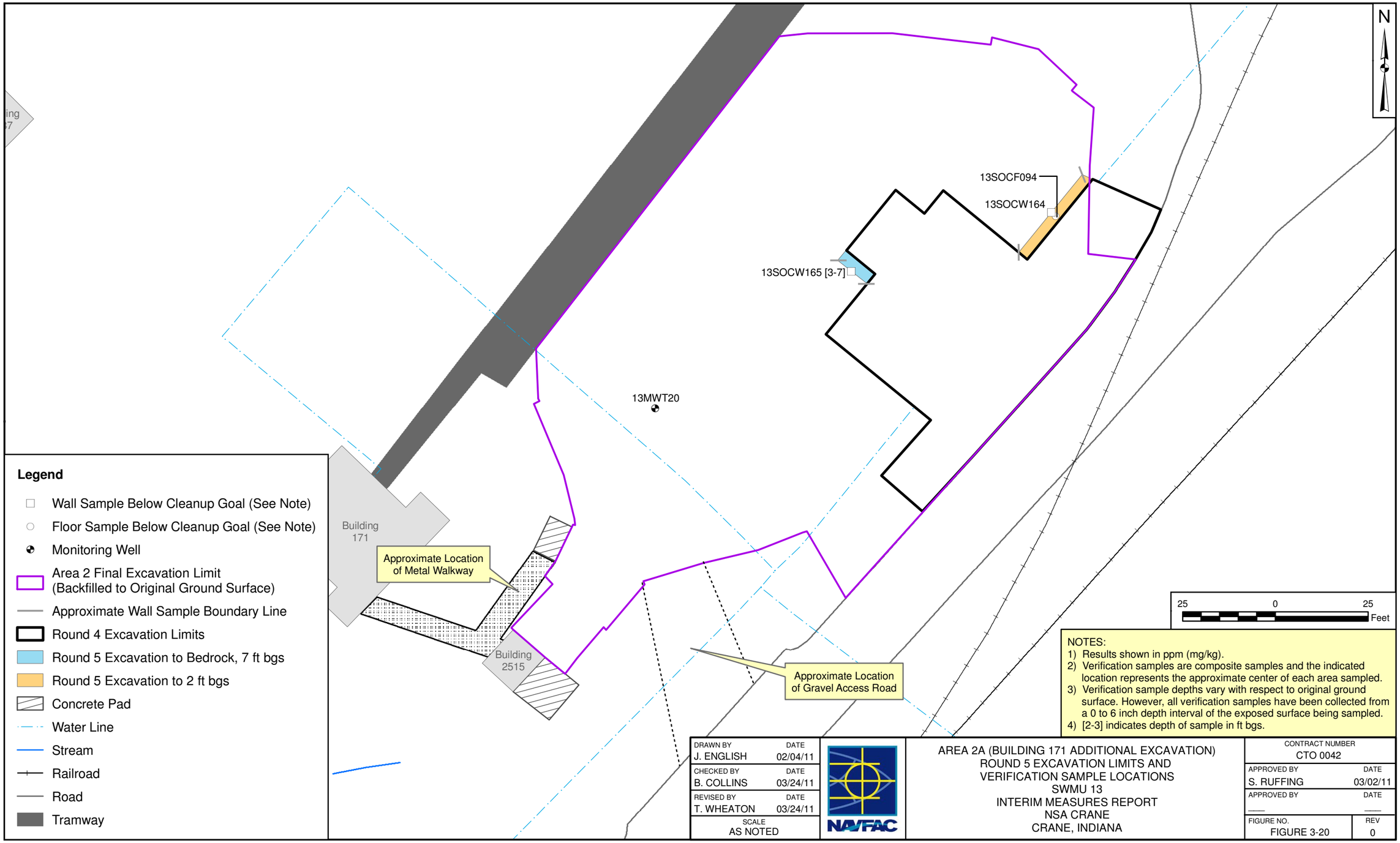
DRAWN BY J. ENGLISH	DATE 02/01/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
ROUND 4 EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-19	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_ROUND5_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

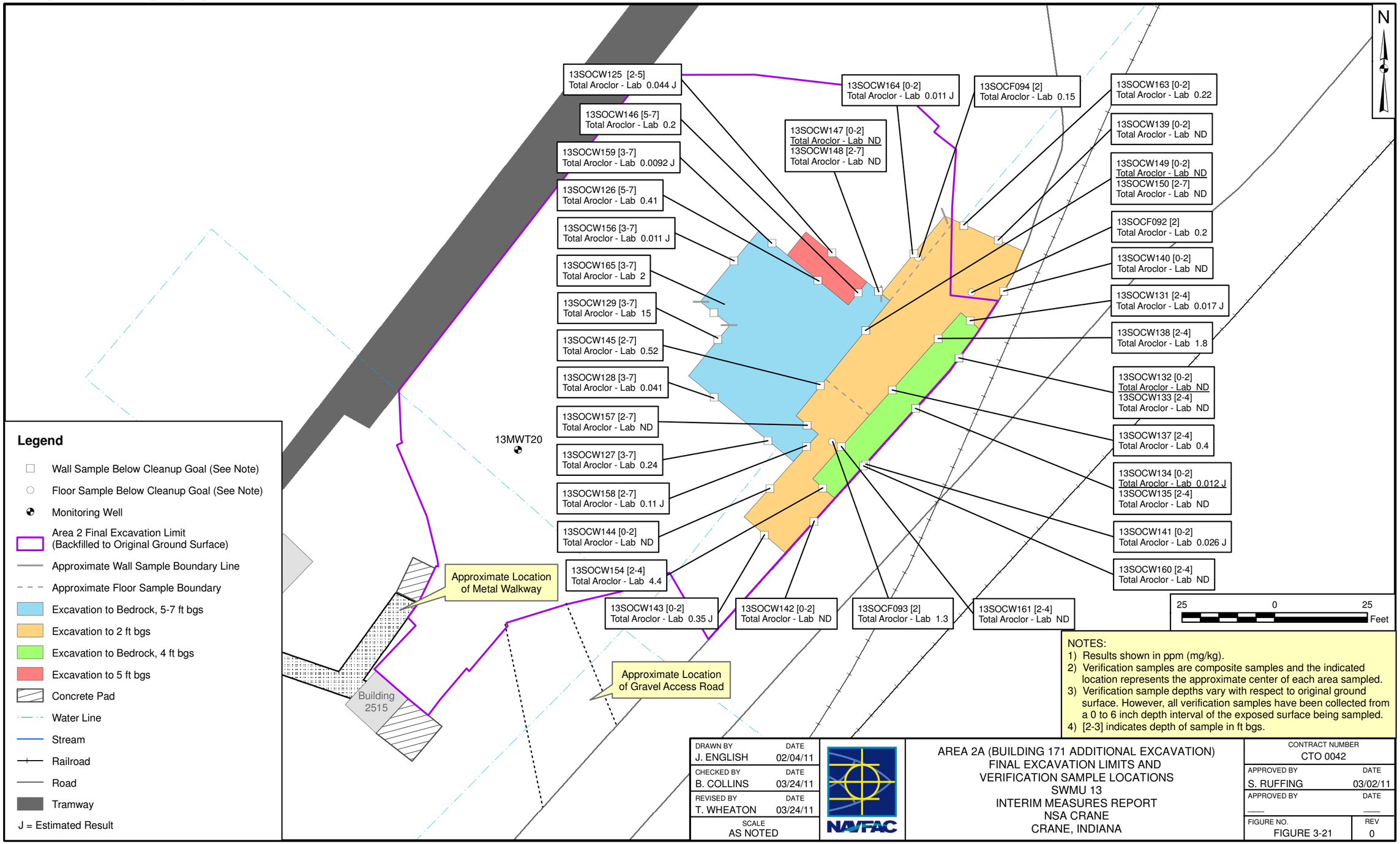
DRAWN BY J. ENGLISH	DATE 02/04/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
ROUND 5 EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-20	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2A_FINAL_EXCAVATION.MXD 03/24/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) [2-3] indicates depth of sample in ft bgs.

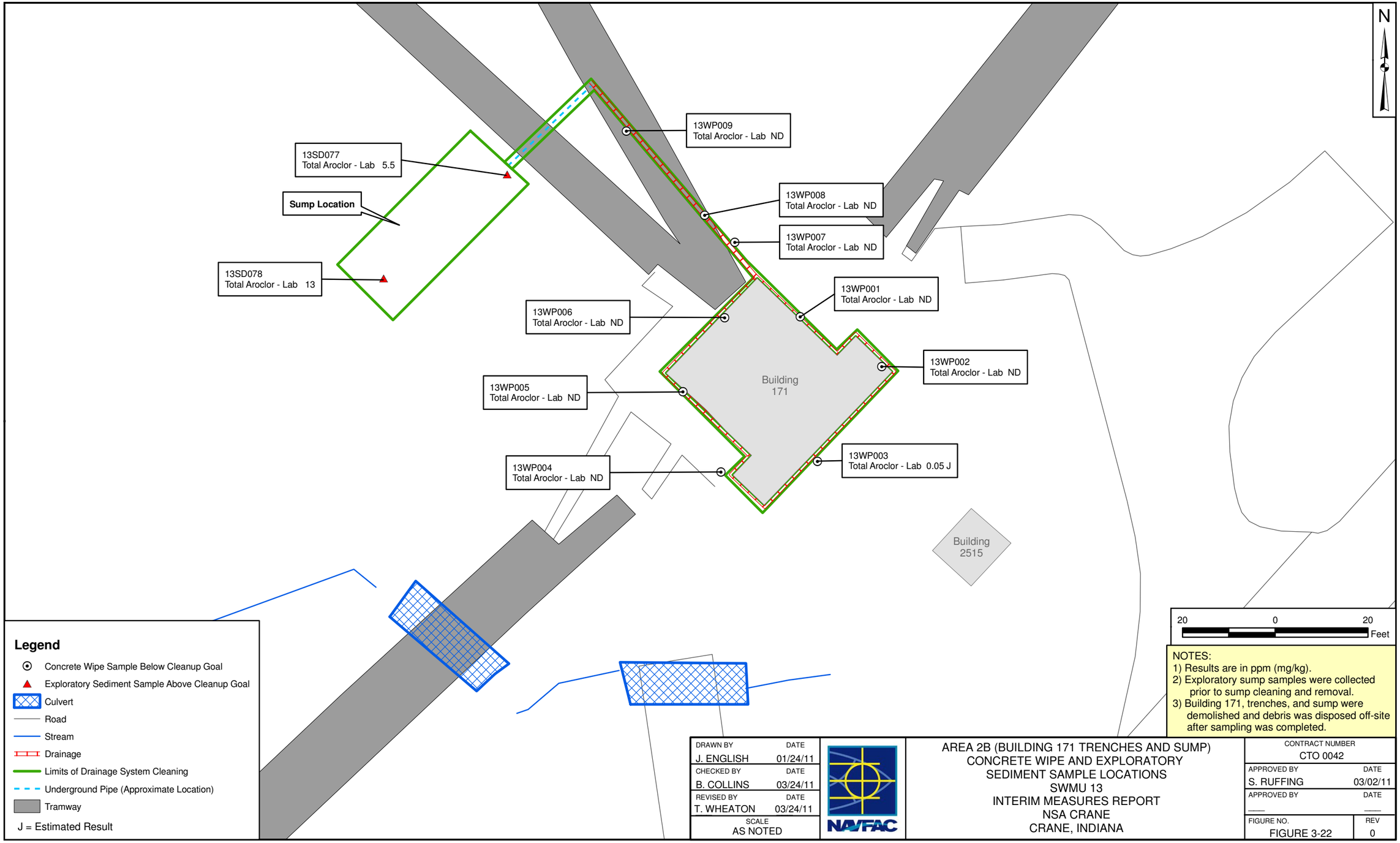
DRAWN BY J. ENGLISH	DATE 02/04/11	
CHECKED BY B. COLLINS	DATE 03/24/11	
REVISED BY T. WHEATON	DATE 03/24/11	
SCALE AS NOTED		

NAVFAC

AREA 2A (BUILDING 171 ADDITIONAL EXCAVATION)
FINAL EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-21	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA2B_CONCRETE_TAGS.MXD 03/24/11 TW



NOTES:
1) Results are in ppm (mg/kg).
2) Exploratory sump samples were collected prior to sump cleaning and removal.
3) Building 171, trenches, and sump were demolished and debris was disposed off-site after sampling was completed.

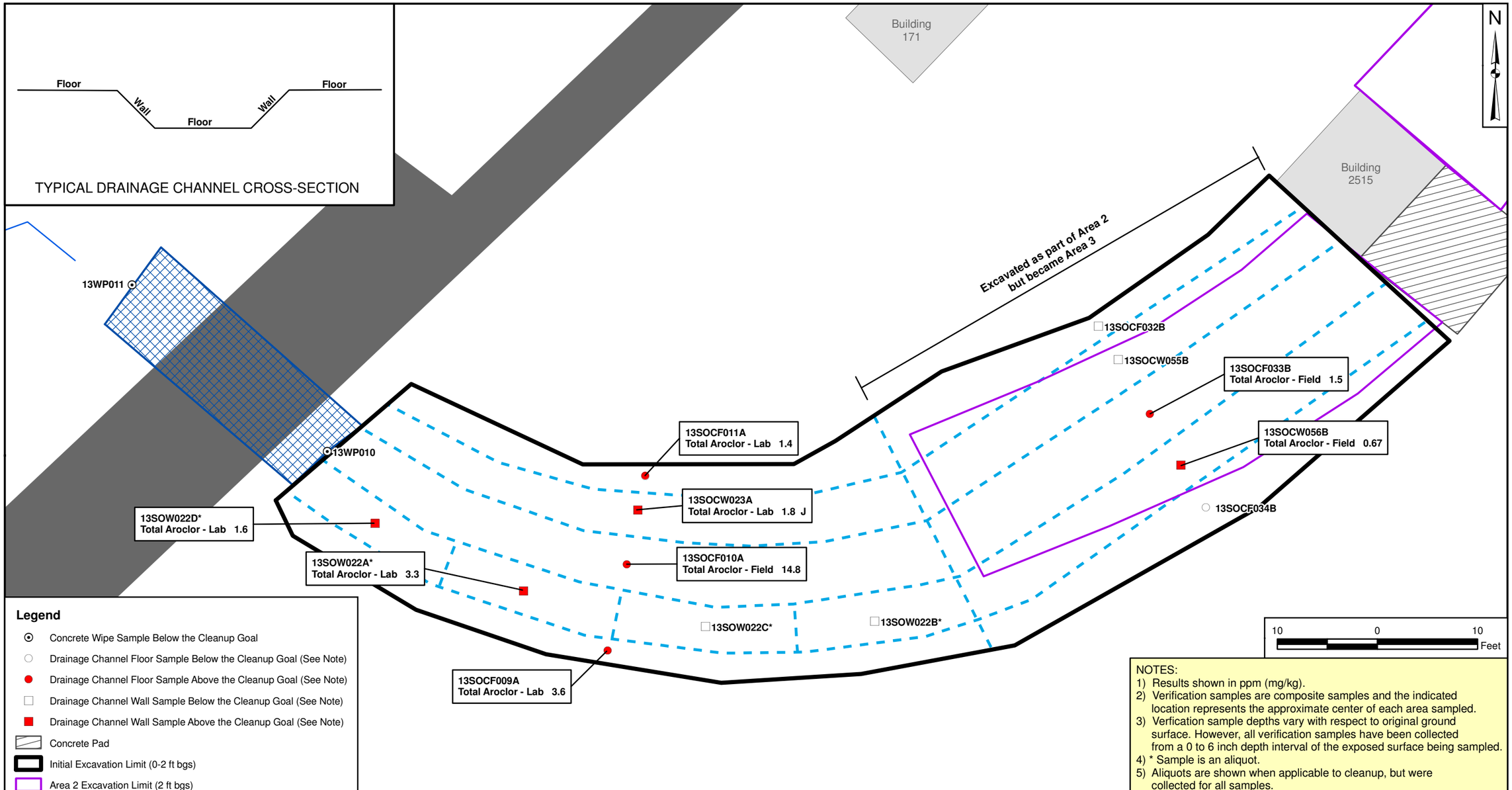
DRAWN BY	DATE
J. ENGLISH	01/24/11
CHECKED BY	DATE
B. COLLINS	03/24/11
REVISED BY	DATE
T. WHEATON	03/24/11
SCALE	
AS NOTED	

NAVFAC

AREA 2B (BUILDING 171 TRENCHES AND SUMP)
CONCRETE WIPE AND EXPLORATORY
SEDIMENT SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
____	____
FIGURE NO.	REV
FIGURE 3-22	0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_INITIAL_EXCAVATION.MXD 03/25/11 TW



Legend

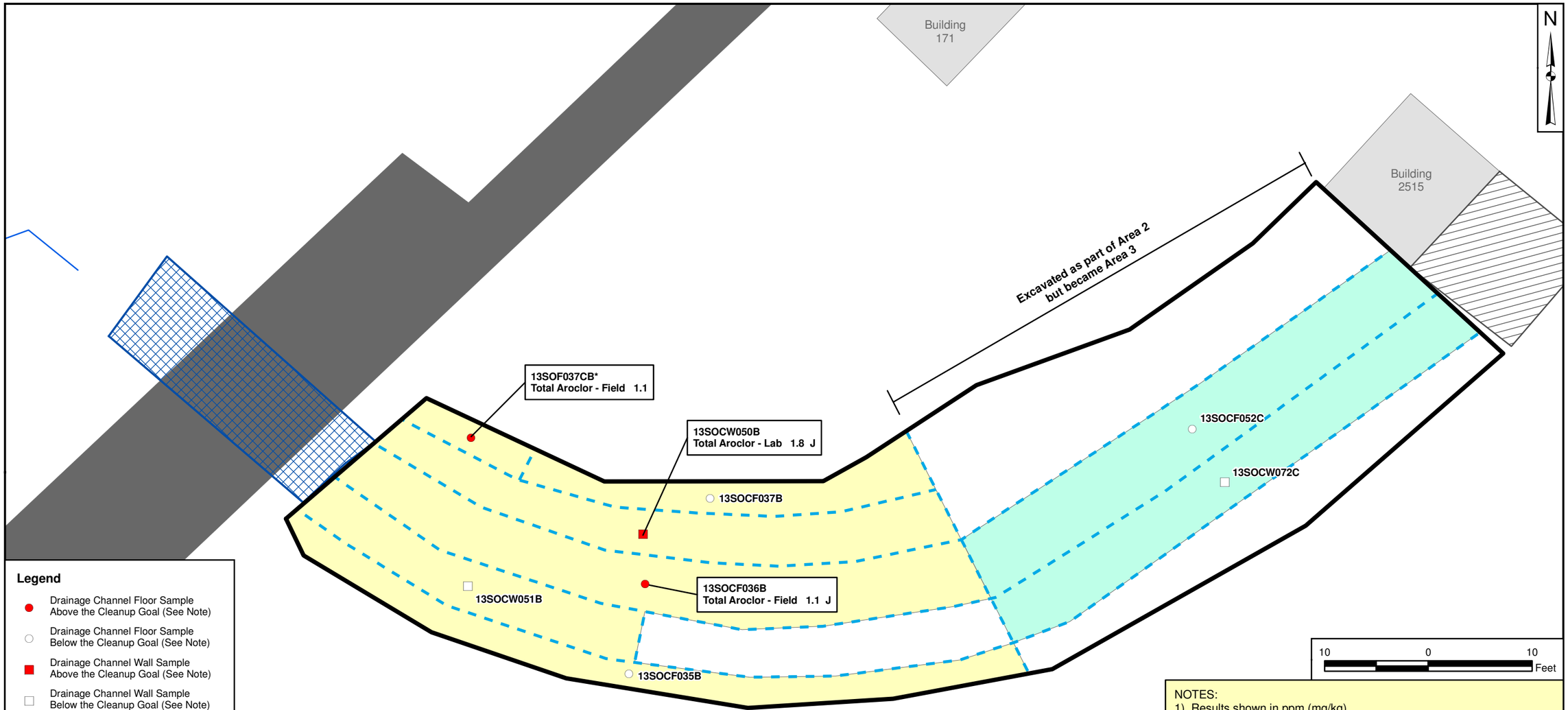
- Concrete Wipe Sample Below the Cleanup Goal
- Drainage Channel Floor Sample Below the Cleanup Goal (See Note)
- Drainage Channel Floor Sample Above the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Above the Cleanup Goal (See Note)
- Concrete Pad
- Initial Excavation Limit (0-2 ft bgs)
- Area 2 Excavation Limit (2 ft bgs)
- Approximate Drainage Channel Sample Boundary (See Note)
- Tramway
- Culvert
- Building
- Stream

J = Estimated Result

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.

DRAWN BY T. WHEATON	DATE 12/27/10	AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL) INITIAL EXCAVATION LIMITS AND ROUND 1 VERIFICATION SAMPLES SWMU 13 INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/25/11		APPROVED BY S. RUFFING DATE 03/02/11
REVISED BY ___	DATE ___		APPROVED BY ___ DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-23 REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_ROUND2_EXCAVATION.MXD 03/25/11 TW



Legend

- Drainage Channel Floor Sample Above the Cleanup Goal (See Note)
- Drainage Channel Floor Sample Below the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Above the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- Approximate Drainage Channel Sample Boundary (See Note)
- Initial Excavation Limit (0-2 ft bgs)
- Additional Excavation (2-3 ft bgs) Based on Results of Round 1 Samples
- Additional Excavation (2-3.5 ft bgs) Based on Results of Round 1 Samples
- Concrete Pad
- Tramway
- Culvert
- Building
- Stream

J = Estimated Result

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.

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CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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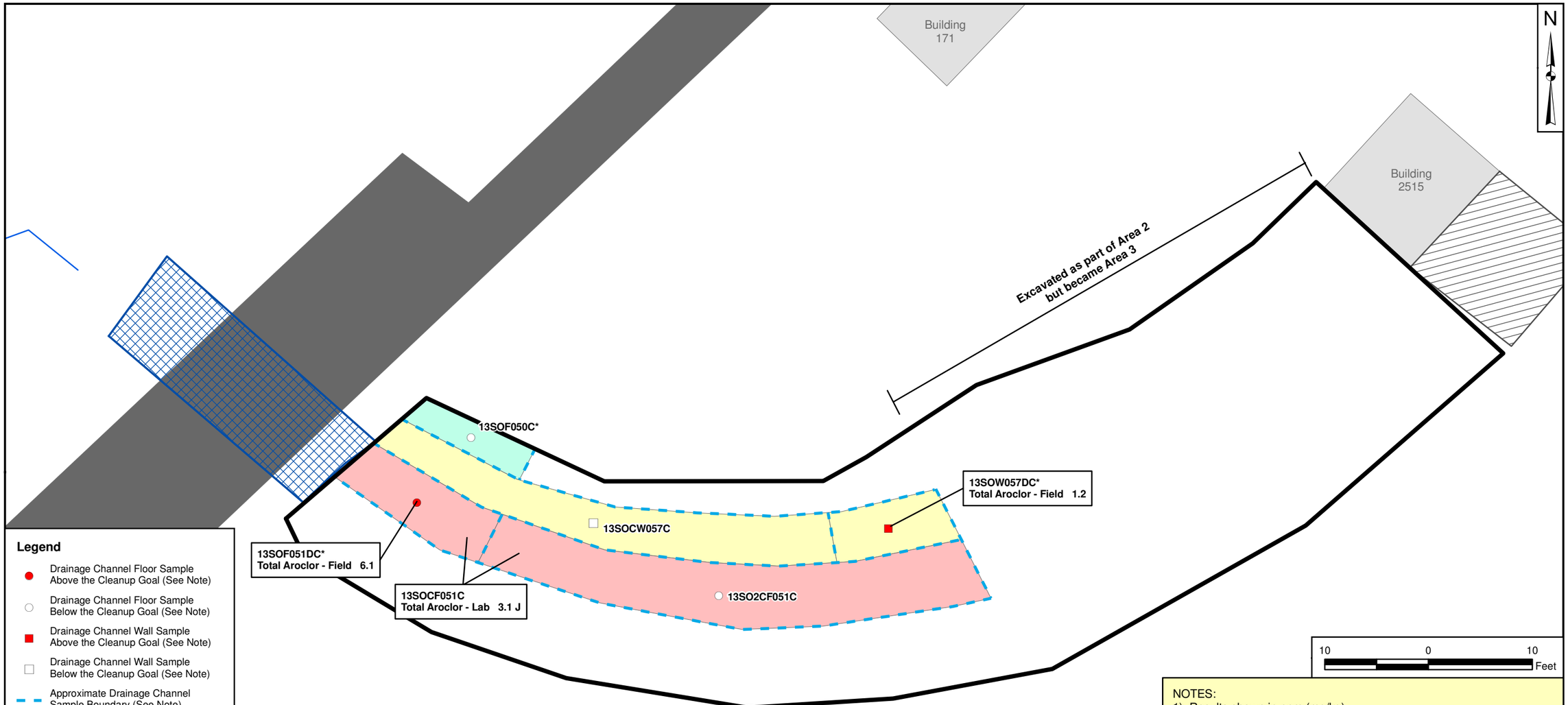
AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL)
ROUND 2 EXCAVATION LIMITS AND
VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-24	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_ROUND3_EXCAVATION.MXD 03/25/11 TW



Legend

- Drainage Channel Floor Sample Above the Cleanup Goal (See Note)
- Drainage Channel Floor Sample Below the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Above the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- Approximate Drainage Channel Sample Boundary (See Note)
- Initial Excavation Limit (0-2 ft bgs)
- Additional Excavation (3-3.5 ft bgs) Based on Results of Round 2 Samples
- Additional Excavation (3-4 ft bgs) Based on Results of Round 2 Samples
- Additional Excavation (3-4.5 ft bgs) Based on Results of Round 2 Samples
- Concrete Pad
- Tramway
- Culvert
- Building
- Stream

J = Estimated Value

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.

DRAWN BY J. ENGLISH	DATE 01/06/11	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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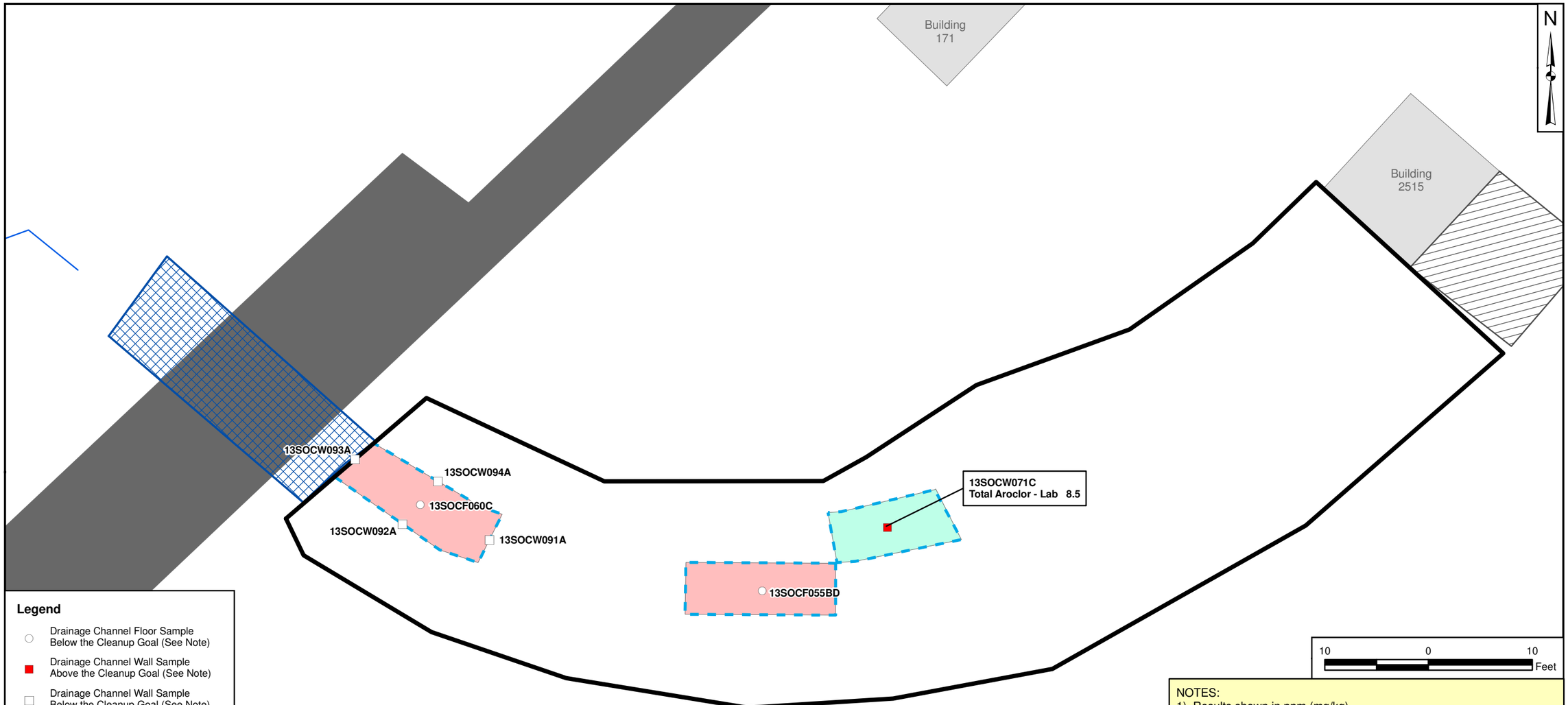
AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL)
ROUND 3 EXCAVATION LIMITS
AND VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-25	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_ROUND4_EXCAVATION.MXD 03/25/11 TW



Legend

- Drainage Channel Floor Sample Below the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Above the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- Approximate Drainage Channel Sample Boundary (See Note)
- Initial Excavation Limit (0-2 ft bgs)
- Additional Excavation (3.5-5.5 ft bgs) Based on Results of Round 3 Samples
- Additional Excavation (4-5.5 ft bgs) Based on Results of Round 3 Samples
- Concrete Pad
- Tramway
- Culvert
- Building
- Stream

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.

DRAWN BY J. ENGLISH	DATE 01/13/11	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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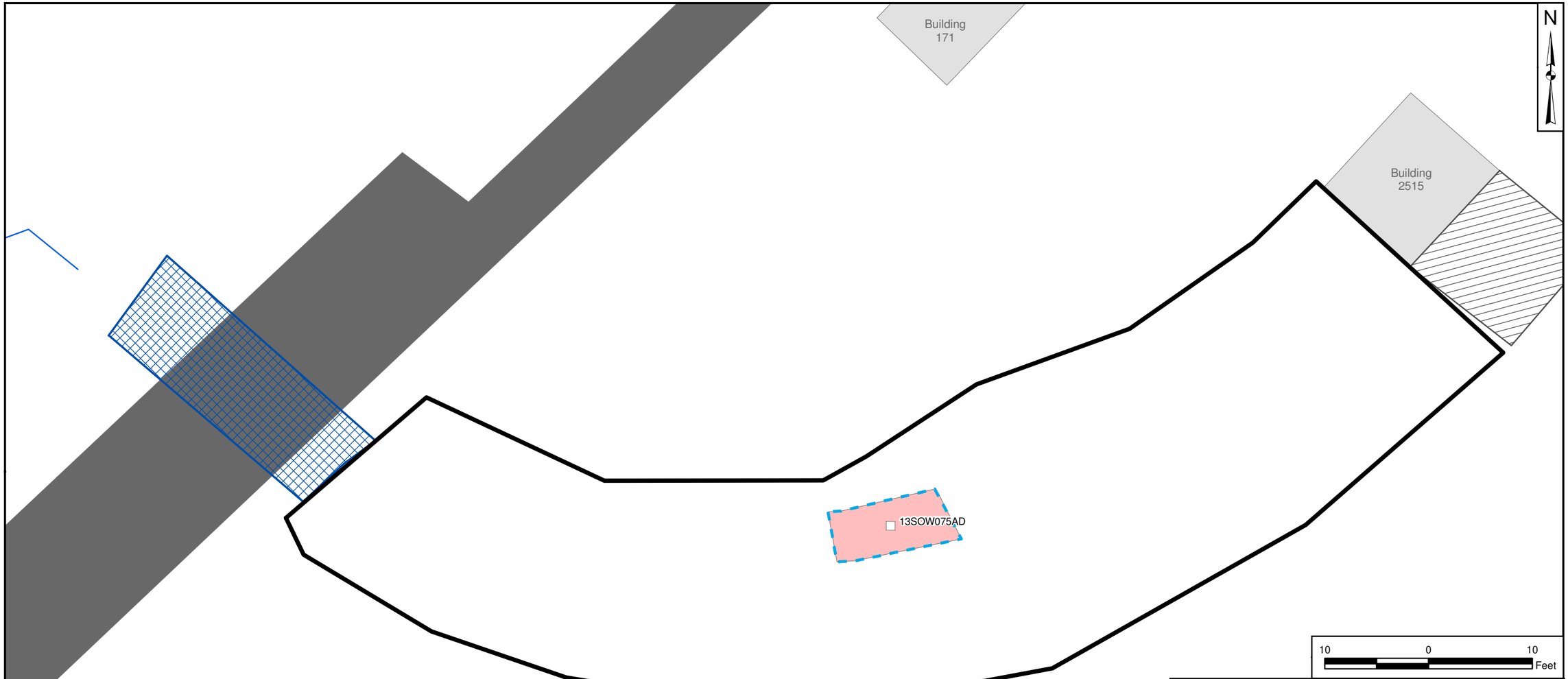
AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL)
ROUND 4 EXCAVATION LIMITS
AND VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-26	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_ROUND5_EXCAVATION.MXD 03/25/11 TW



Legend

- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- Approximate Drainage Channel Sample Boundary (See Note)
- Initial Excavation Limit (0-2 ft bgs)
- Additional Excavation (5.5-7.5 ft bgs) Based on Results of Round 4 Samples
- Concrete Pad
- Tramway
- Culvert
- Building
- Stream

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.

DRAWN BY J. ENGLISH	DATE 01/13/11	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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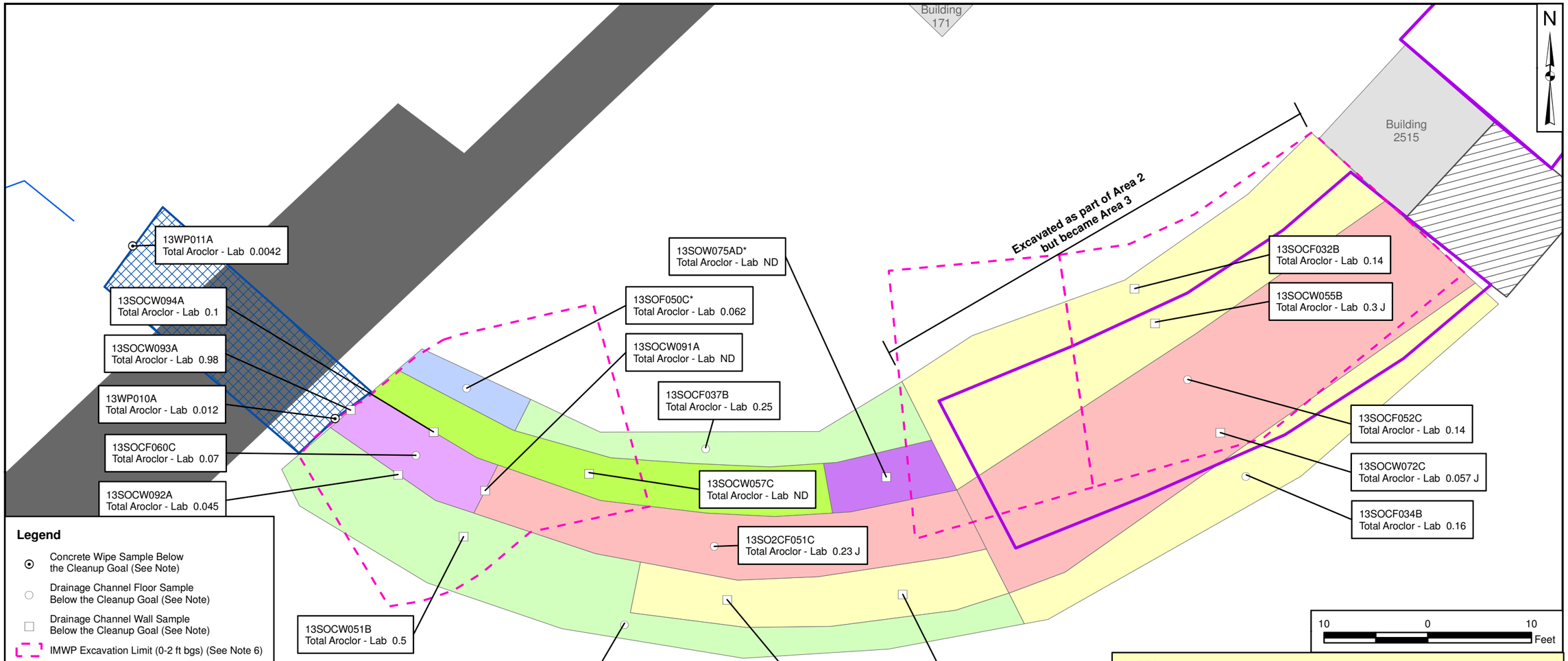
AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL)
ROUND 5 EXCAVATION LIMITS
AND VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-27	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA3_FINAL_EXCAVATION.MXD 03/25/11 TW



Legend

- Concrete Wipe Sample Below the Cleanup Goal (See Note)
- Drainage Channel Floor Sample Below the Cleanup Goal (See Note)
- Drainage Channel Wall Sample Below the Cleanup Goal (See Note)
- IMWP Excavation Limit (0-2 ft bgs) (See Note 6)
- Area 2 Excavation Limit (2 ft bgs)
- Final Excavation Limit, 0-2 bgs
- Final Excavation Limit, 0-3 ft bgs
- Final Excavation Limit, 0-3.5 ft bgs
- Final Excavation Limit, 0-4 ft bgs
- Final Excavation Limit, 0-4.5 ft bgs
- Final Excavation Limit, 0-5.5 ft bgs
- Final Excavation Limit, 0-7.5 ft bgs
- Concrete Pad
- Tramway
- Culvert
- Building
- Stream

J = Estimated Result

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown when applicable to cleanup, but were collected for all samples.
6) The excavation limit proposed in the IMWP was the estimated location of the drainage channel. The actual location of the drainage channel was different than what was shown in the IMWP.

DRAWN BY T. WHEATON	DATE 12/27/10	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY ____	DATE ____	
SCALE AS NOTED		

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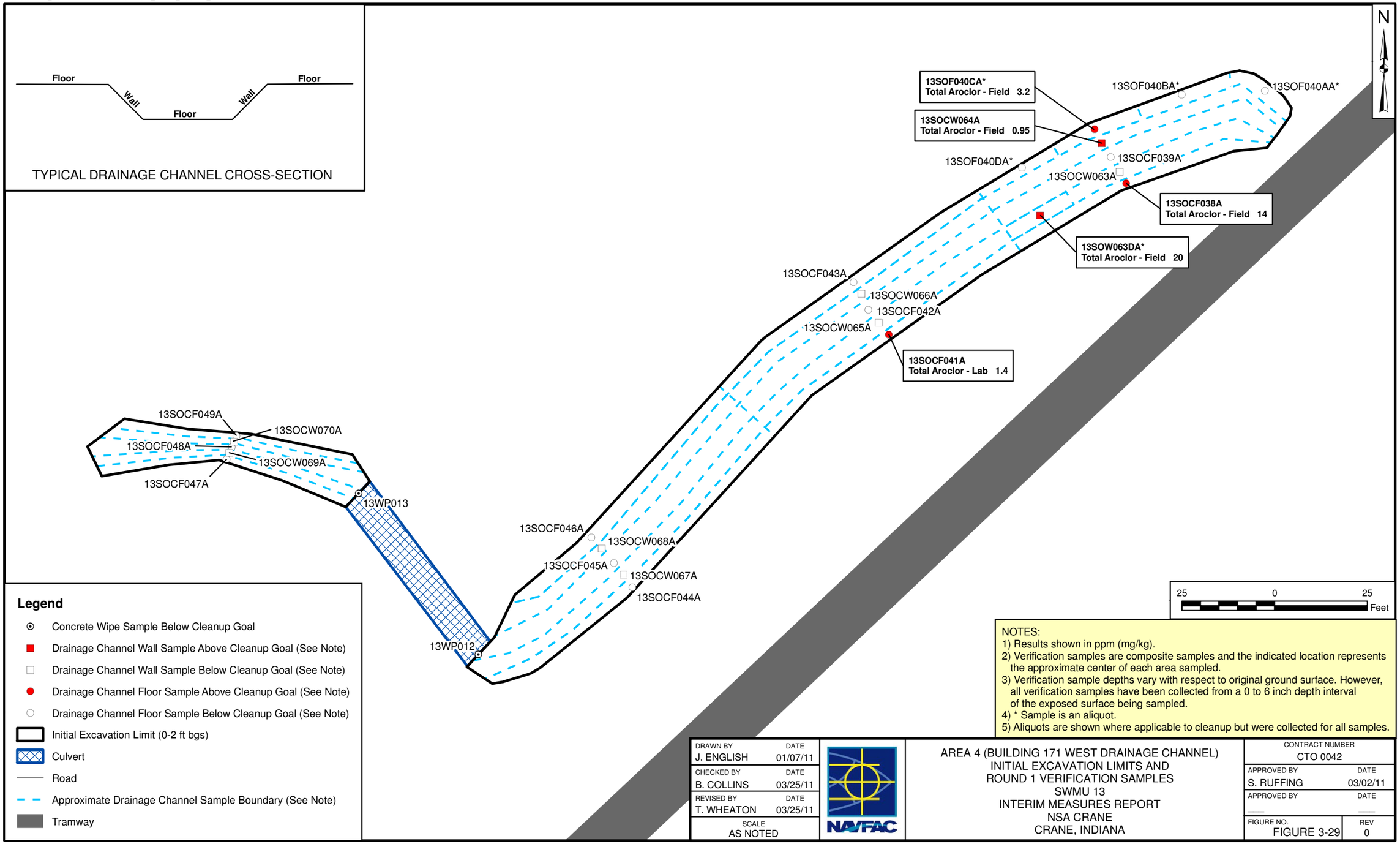
AREA 3 (BUILDING 171 EAST DRAINAGE CHANNEL)
FINAL EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-28	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA4_ROUND1_EXCAVATION.MXD 03/25/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) * Sample is an aliquot.
5) Aliquots are shown where applicable to cleanup but were collected for all samples.

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REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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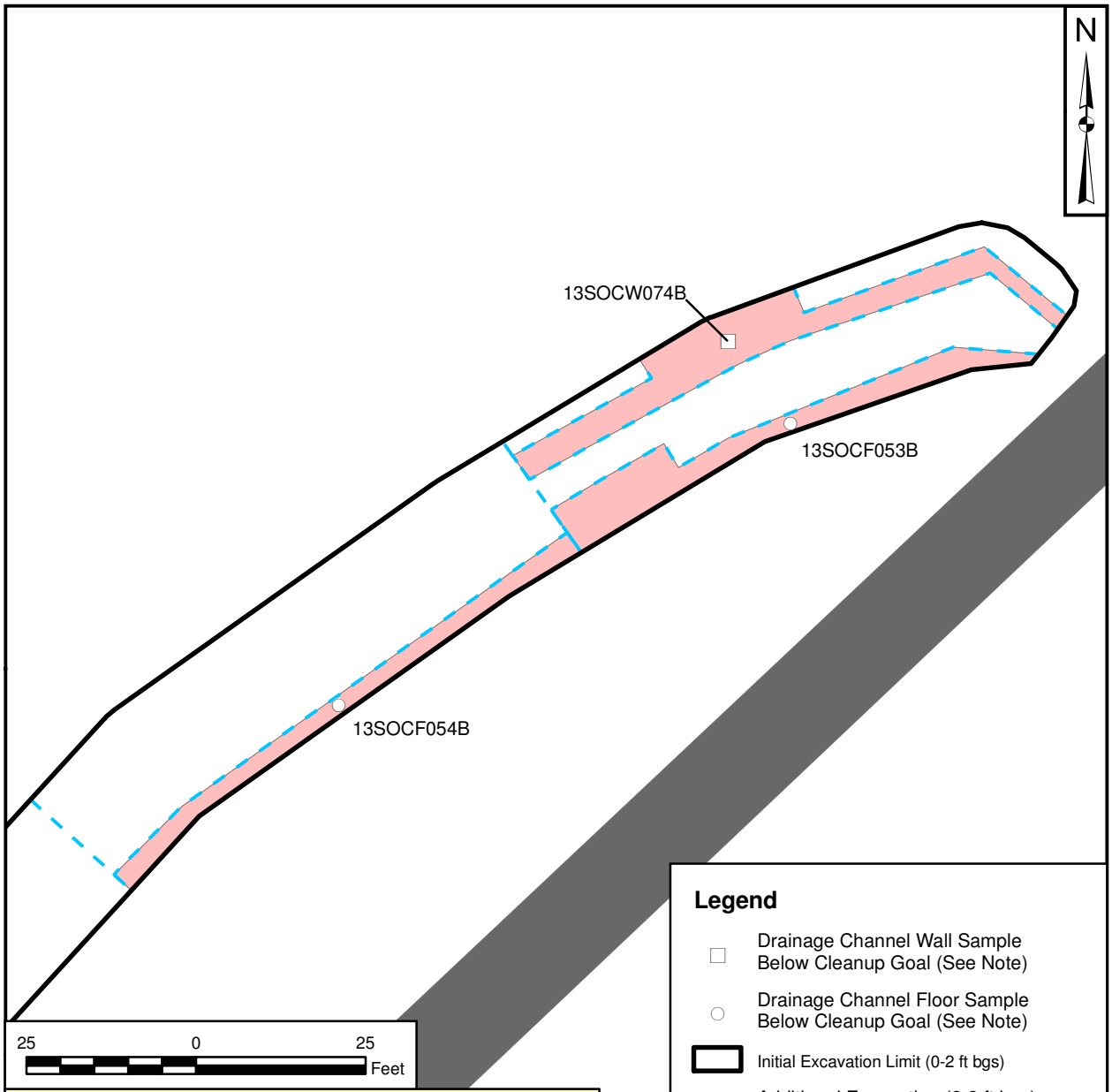
AREA 4 (BUILDING 171 WEST DRAINAGE CHANNEL)
INITIAL EXCAVATION LIMITS AND
ROUND 1 VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-29	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA4_ROUND2_EXCAVATION_ALT.MXD 03/25/11 TW



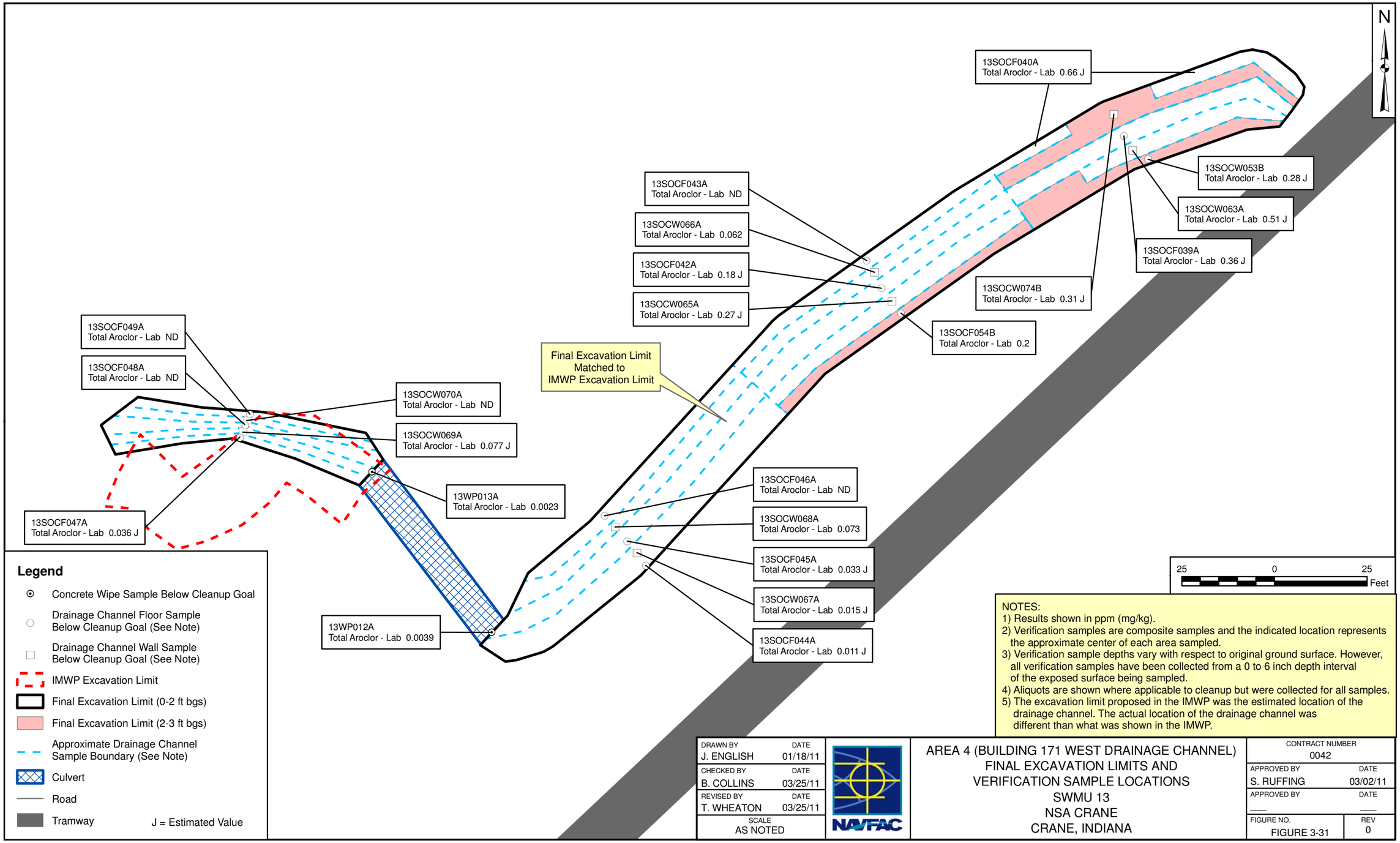
NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) Aliquots are shown where applicable to cleanup but were collected for all samples.

Legend

- Drainage Channel Wall Sample Below Cleanup Goal (See Note)
- Drainage Channel Floor Sample Below Cleanup Goal (See Note)
- Initial Excavation Limit (0-2 ft bgs)
- Additional Excavation (2-3 ft bgs) Based on Results of Round 1 Samples
- Approximate Drainage Channel Sample Boundary (See Note)
- Culvert
- Road
- Tramway

DRAWN BY J. ENGLISH	DATE 01/14/11	AREA 4 (BUILDING 171 WEST DRAINAGE CHANNEL) ROUND 2 EXCAVATION LIMITS AND VERIFICATION SAMPLES SWMU 13 NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/25/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/25/11		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-30 — REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA4_FINAL_EXCAVATION.MXD 03/25/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) Aliquots are shown where applicable to cleanup but were collected for all samples.
5) The excavation limit proposed in the IMWP was the estimated location of the drainage channel. The actual location of the drainage channel was different than what was shown in the IMWP.

DRAWN BY J. ENGLISH	DATE 01/18/11	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

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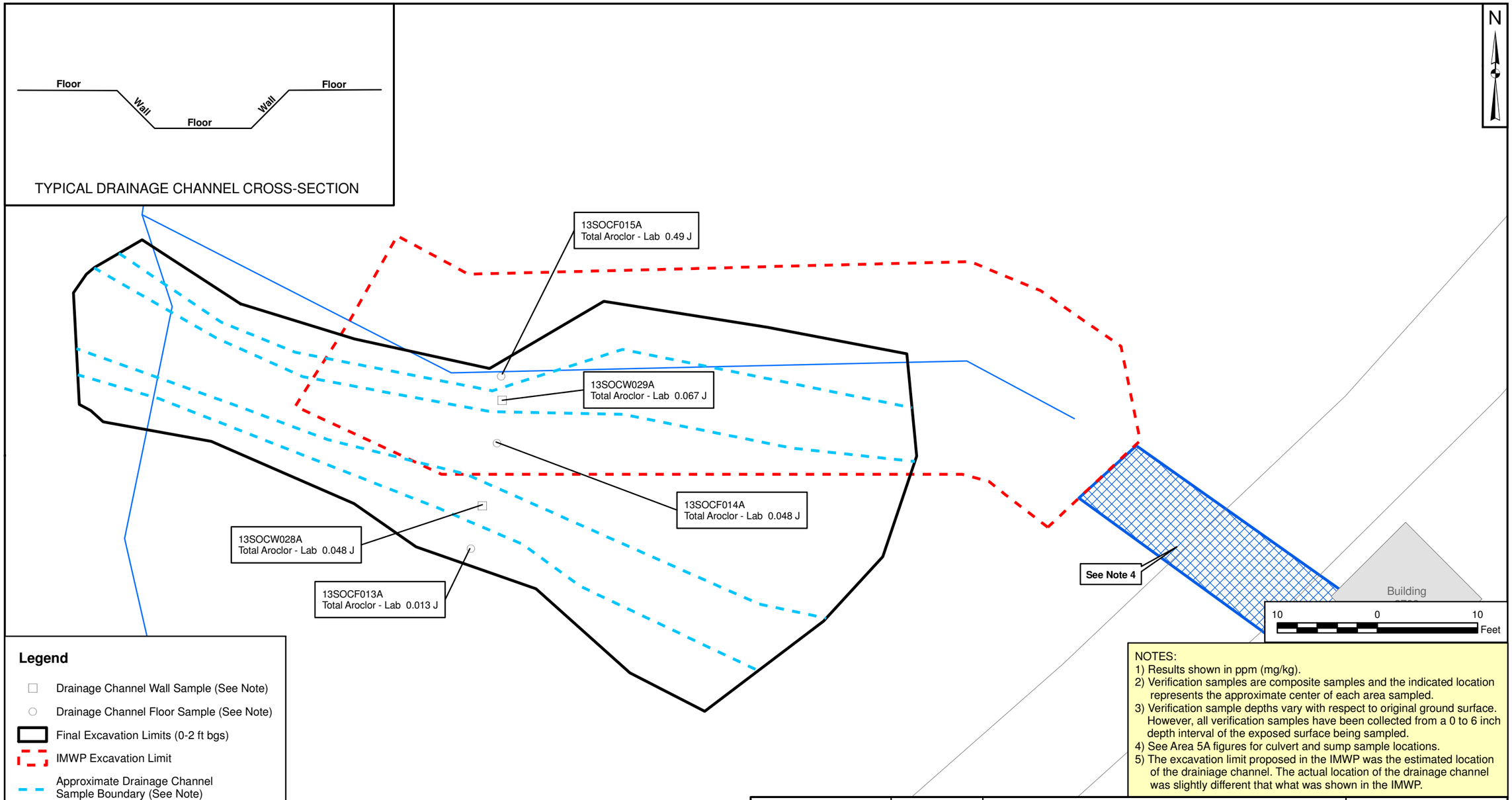
AREA 4 (BUILDING 171 WEST DRAINAGE CHANNEL)
FINAL EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ____	DATE ____
FIGURE NO. FIGURE 3-31	REV 0

P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA5_FINAL_EXCAVATION_ALT.MXD 03/25/11 TW



Legend

- Drainage Channel Wall Sample (See Note)
- Drainage Channel Floor Sample (See Note)
- Final Excavation Limits (0-2 ft bgs)
- IMWP Excavation Limit
- Approximate Drainage Channel Sample Boundary (See Note)
- Building
- Road
- Culvert
- Stream

J = Estimated Value

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verification sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.
4) See Area 5A figures for culvert and sump sample locations.
5) The excavation limit proposed in the IMWP was the estimated location of the drainiage channel. The actual location of the drainage channel was slightly different that what was shown in the IMWP.

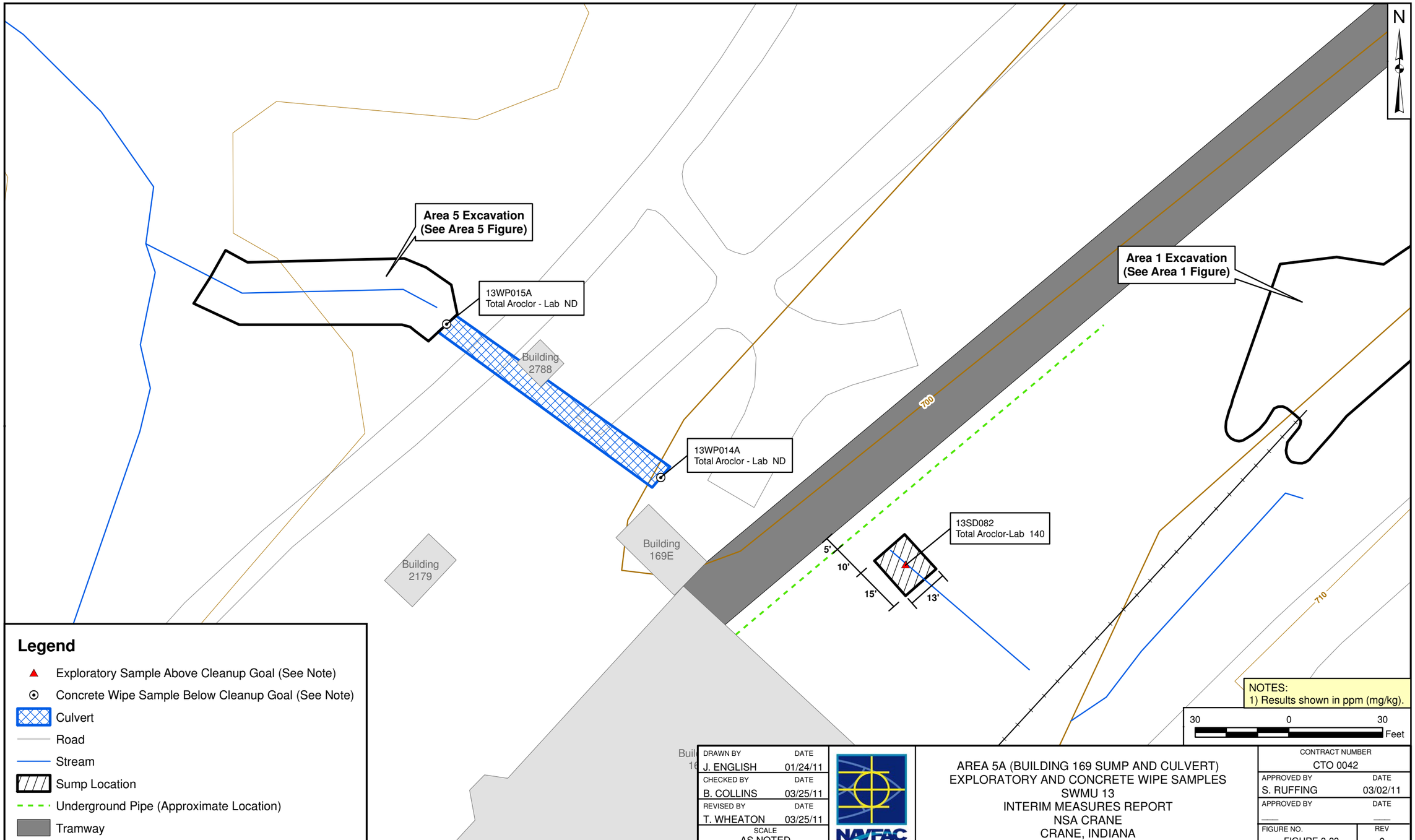
DRAWN BY J. ENGLISH	DATE 01/25/11	
CHECKED BY B. COLLINS	DATE 03/25/11	
REVISED BY T. WHEATON	DATE 03/25/11	
SCALE AS NOTED		

NAVFAC

AREA 5 (BUILDING 169 DRAINAGE CHANNEL)
FINAL EXCAVATION LIMITS AND VERIFICATION SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER CTO 0042	
APPROVED BY S. RUFFING	DATE 03/02/11
APPROVED BY ___	DATE ___
FIGURE NO. FIGURE 3-32	REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA5A_CONCRETE_TAGS.MXD 03/25/11 TW



DRAWN BY	DATE
J. ENGLISH	01/24/11
CHECKED BY	DATE
B. COLLINS	03/25/11
REVISED BY	DATE
T. WHEATON	03/25/11
SCALE	
AS NOTED	

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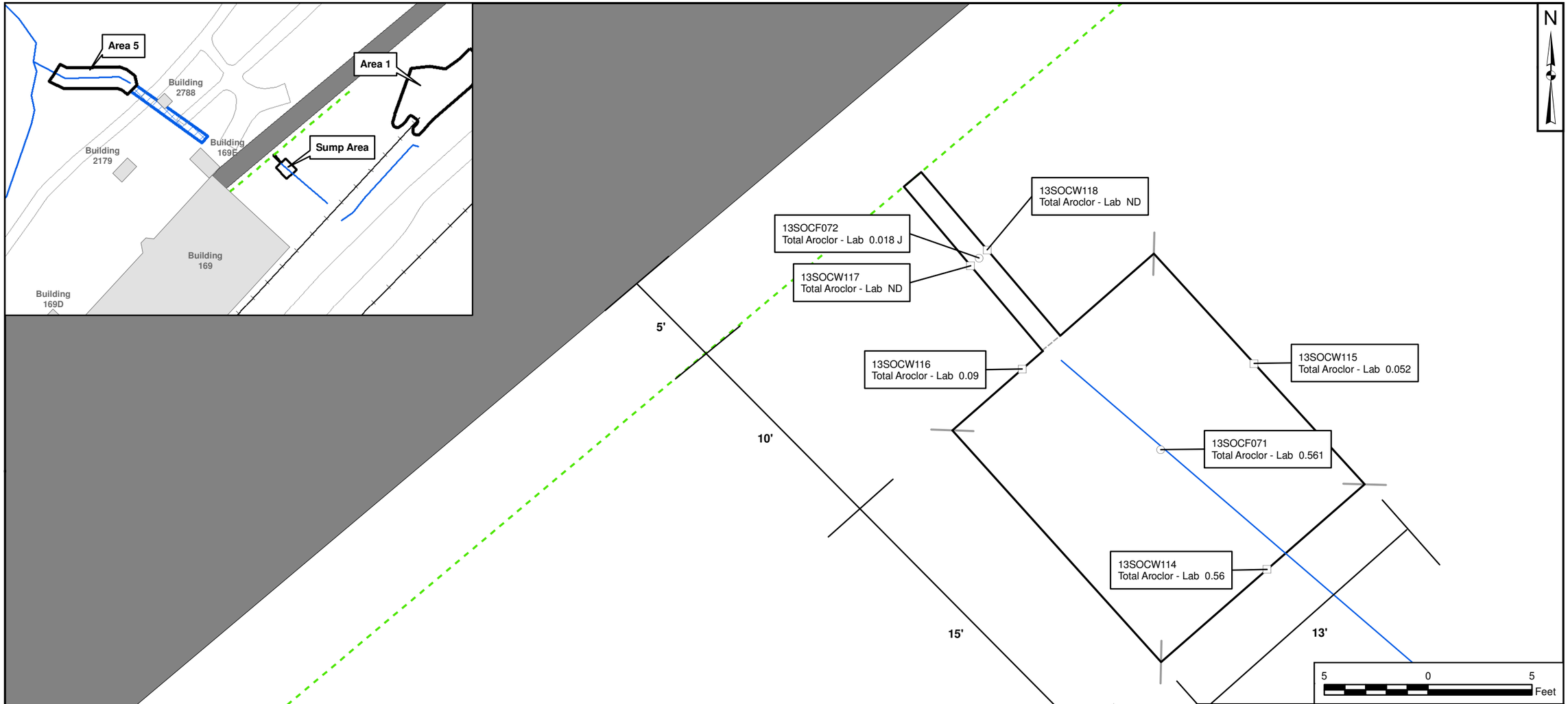
AREA 5A (BUILDING 169 SUMP AND CULVERT)
EXPLORATORY AND CONCRETE WIPE SAMPLES
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
___	___
FIGURE NO.	REV
FIGURE 3-33	0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_AREA5A_FINAL_EXCAVATION.MXD 03/25/11 TW



Legend

- Floor Sample Below Cleanup Goal (See Note)
- Wall Sample Below Cleanup Goal (See Note)
- Road
- Stream
- Limits of Sump Excavation (0-2 ft bgs)
- Floor Sample Boundary Line
- Approximate Wall Sample Boundary Line
- Underground Pipe (Approximate Location)
- Tramway

J = Estimated Result

NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Verfication sample depths vary with respect to original ground surface. However, all verification samples have been collected from a 0 to 6 inch depth interval of the exposed surface being sampled.

DRAWN BY	DATE
J. ENGLISH	01/19/11
CHECKED BY	DATE
B. COLLINS	03/25/11
REVISED BY	DATE
T. WHEATON	03/25/11
SCALE	
AS NOTED	

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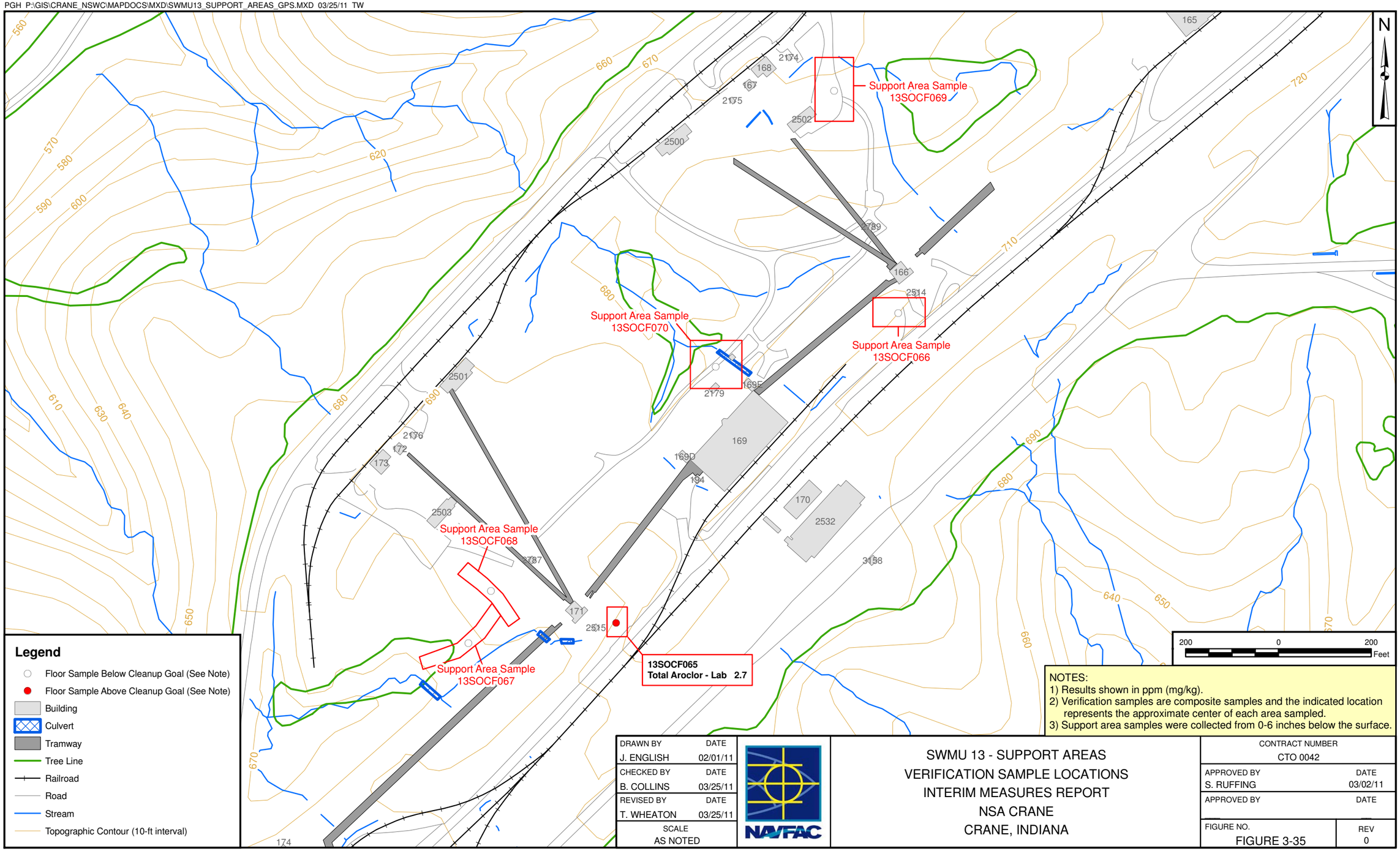
AREA 5A (BUILDING 169 SUMP AND CULVERT)
FINAL EXCAVATION LIMITS AND
VERIFICATION SAMPLE LOCATIONS
SWMU 13
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
___	___
FIGURE NO.	REV
FIGURE 3-34	0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_SUPPORT_AREAS_GPS.MXD 03/25/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.
3) Support area samples were collected from 0-6 inches below the surface.

DRAWN BY	DATE
J. ENGLISH	02/01/11
CHECKED BY	DATE
B. COLLINS	03/25/11
REVISED BY	DATE
T. WHEATON	03/25/11
SCALE	
AS NOTED	

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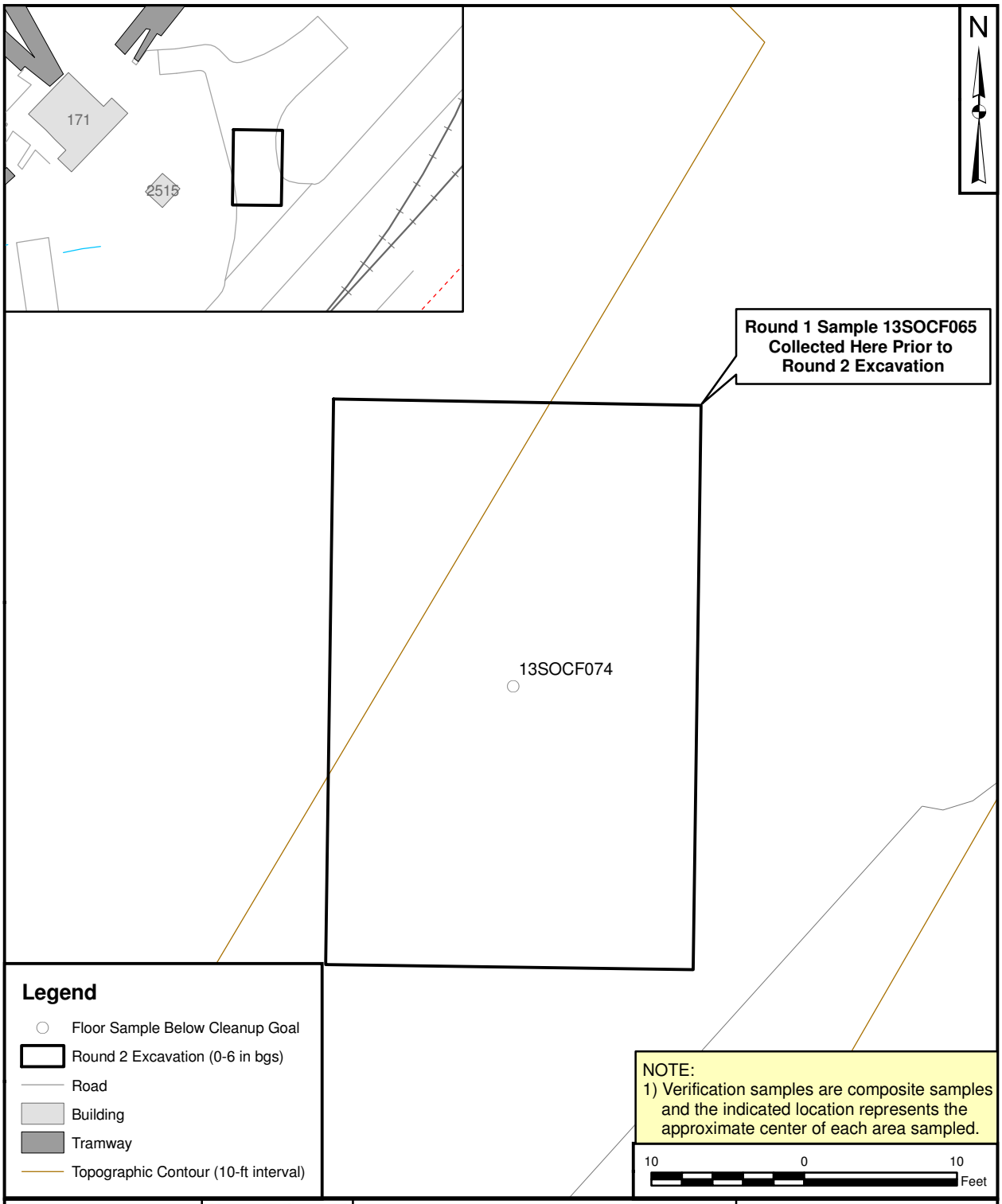
SWMU 13 - SUPPORT AREAS
VERIFICATION SAMPLE LOCATIONS
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

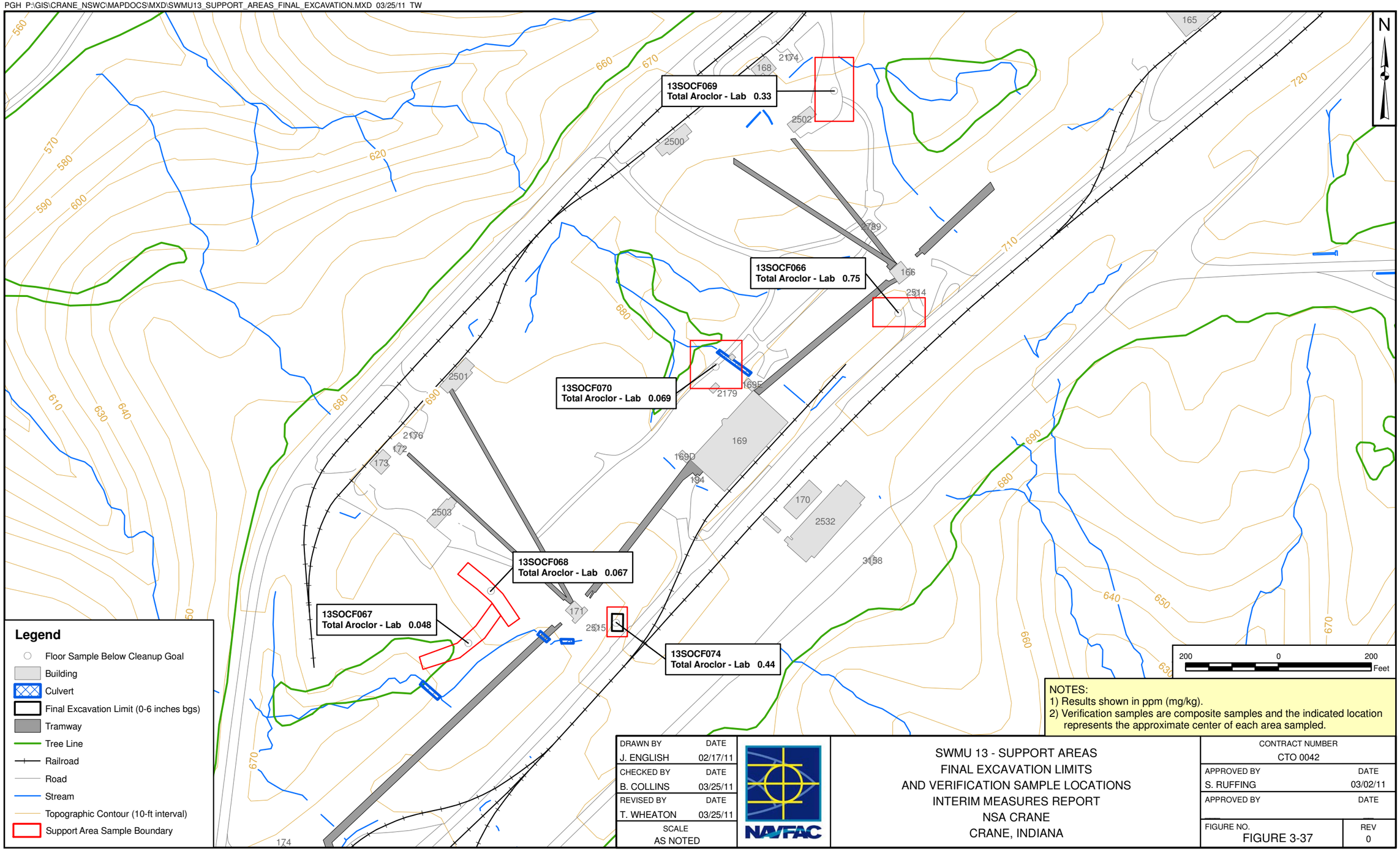
CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 3-35	0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_SUPPORT_AREAS_ROUND2_EXCAVATION.MXD 03/23/11 TW



DRAWN BY J. ENGLISH	DATE 02/14/11	SWMU 13 - SUPPORT AREAS ROUND 2 EXCAVATION LIMITS AND VERIFICATION SAMPLE LOCATIONS INTERIM MEASURES REPORT NSA CRANE CRANE, INDIANA	CONTRACT NUMBER CTO 0042
CHECKED BY B. COLLINS	DATE 03/23/11		APPROVED BY S. RUFFING — DATE 03/02/11
REVISED BY T. WHEATON	DATE 03/23/11		APPROVED BY ___ — DATE ___
SCALE AS NOTED			FIGURE NO. FIGURE 3-36 — REV 0

PGH P:\GIS\CRANE_NSWC\MAPDOCS\MXD\SWMU13_SUPPORT_AREAS_FINAL_EXCAVATION.MXD 03/25/11 TW



NOTES:
1) Results shown in ppm (mg/kg).
2) Verification samples are composite samples and the indicated location represents the approximate center of each area sampled.

DRAWN BY	DATE
J. ENGLISH	02/17/11
CHECKED BY	DATE
B. COLLINS	03/25/11
REVISED BY	DATE
T. WHEATON	03/25/11
SCALE	
AS NOTED	

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SWMU 13 - SUPPORT AREAS
FINAL EXCAVATION LIMITS
AND VERIFICATION SAMPLE LOCATIONS
INTERIM MEASURES REPORT
NSA CRANE
CRANE, INDIANA

CONTRACT NUMBER	
CTO 0042	
APPROVED BY	DATE
S. RUFFING	03/02/11
APPROVED BY	DATE
FIGURE NO.	REV
FIGURE 3-37	0

4.0 CONCLUSIONS

This IM Report summarizes the work performed at NSA Crane, SWMU 13 – MFB, by TolTest and the verification sampling conducted by Tetra Tech. Excavation at SWMU 13 began November 3, 2008, and was completed July 19, 2010.

TolTest performed excavation activities in 11 areas (10 excavation areas and one support area) at SWMU 13 – MFB. A total of 4,161.1 tons of non-TSCA material and 1,353.89 tons of TSCA material were disposed of during this IM (Table 3-1). TolTest backfilled the majority of the excavation areas to the original, pre-excavation grades and regraded some areas to match the surrounding grade. The majority of backfill placed in the excavations was obtained from on-site sources; however, 538.24 tons of off-site backfill was placed in portions of the excavations, as discussed in Section 3.0.

Upon completion of the interim remedial activities at SWMU 13, 505 verification samples (13SOCF001A through -094, 13SOCW001A through -165, and 13SB109 through -201) were collected (including those aliquots that were analyzed separately) from the walls and floors of the 10 excavation areas and support areas to verify that the remaining soils did not pose an unacceptable human health or ecological risk (Table 3-1). Of the 505 samples collected, 255 were field-tested using the Rapid Assay PCB test kit to determine whether to send the samples to the fixed-base laboratory to verify the field test results. Verification samples not analyzed in the field were sent to the fixed-base laboratory. A total of 355 verification samples were sent to the fixed-base laboratory for analysis. Test kit and fixed-base laboratory analytical results for all samples collected are summarized in Section 3, with additional data being included in the tables in Appendix C (C.1 through C.11). Appendix B contains data validation letters and verification sample results, as reported by the laboratory.

The results of the analytical data demonstrate that the soil and sediment excavation and removal conducted during the interim remedial action was successful in removing contamination that posed unacceptable human health and ecological risk at SWMU 13. No further action is recommended for the areas shown on Figure 3-1 at SWMU 13 – MFB.

REFERENCES

Halliburton NUS, 1992. RCRA Facility Investigation Phase I Environmental Monitoring Reports, Solid Waste Management Units 19/00, 08/17, 12/14, 13/14, Naval Surface Warfare Center, Crane Division, Crane, Indiana, August 1992.

Tetra Tech (Tetra Tech NUS, Inc.), 2007. Resource Conservation and Recovery Act Facility Investigation Report for Mine Fill B (SWMU 13), Naval Surface Warfare Center Crane Division, Crane, Indiana. April.

Tetra Tech, 2006. Quality Assurance Project Plan for SWMUs 8, 15, 18, 19, 20, and the Old Gun Tub Storage Lot for Interim Measures at SWMU 7 (Old Rifle Range), SWMU 8 (Building 106 Pond), SWMU 13 (Mine Fill B), and SWMU 17 (PCB Burial/Pole Yard) Addendum No. 1, Naval Surface Warfare Center Crane Division, Crane, Indiana. November.

Tetra Tech, 2008. Interim Measures Work Plan for SWMU 13 – Mine Fill B, Naval Surface Warfare Center Crane Divisions, Crane, Indiana. July.

APPENDIX A

SITE PHOTOS

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	1
SWMU 13	Toltest **VIEW:**	Waste Characterization Test Pile	11/03/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	2
SWMU 13	Toltest **VIEW:**	Interior Trenches Bldg. 171	11/06/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking North	Checking Depth of TSCA Excavation at Bldg. 171	3 11/06/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking West	Bldg. 166 Excavation	4 11/07/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	5
SWMU 13	Toltest **VIEW:** Looking Northwest	Bldg .171 East Drainage Channel	11/11/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	**6**
SWMU 13	Toltest **VIEW:** Looking Southwest	Bldg. 171 TSCA Area Layout for Verification Sampling	11/12/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	7
SWMU 13	Toltest **VIEW:**	Pressure Washing Inside, Bldg. 171	11/13/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	8
SWMU 13	Toltest **VIEW:**	Interior Drain Bldg. 171	11/13/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	9
SWMU 13	Toltest VIEW:	Concrete Trench Behind Bldg. 171	11/14/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	10
SWMU 13	Toltest VIEW:	Check Dam Behind Bldg. 171	11/14/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	11
SWMU 13	Toltest **VIEW:** Looking West	Excavation at Bldg. 171 East Drainage Channel	11/17/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	12
SWMU 13	Toltest **VIEW:**	Excavation at Bldg. 169 Drainage Channel	11/18/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	13
SWMU 13	Toltest **VIEW:**	Load of Fill Dirt	11/18/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	14
SWMU 13	Toltest **VIEW:**	Clearing at Bldg. 169 Drainage Channel	11/19/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	15
SWMU 13	Toltest **VIEW: Looking Southwest**	Excavation at Bldg. 166	11/20/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	16
SWMU 13	Toltest **VIEW: Looking West**	Bldg. 166 Area, Option 2 Dig	11/26/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	17
SWMU 13	Toltest **VIEW:** Looking Northwest	Bldg. 166 Area Additional Excavation	11/26/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	18
SWMU 13	Toltest **VIEW:** Looking North	Loading Direct at Bldg. 171 Area	12/02/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	19
SWMU 13	Toltest **VIEW:** Looking North	Excavation Along Tunnel at Bldg. 171	12/02/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	20
SWMU 13	Toltest **VIEW:** Looking West	Bldg. 171 Excavation of TSCA Material	12/04/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	21
SWMU 13	Toltest **VIEW:** Looking South	Bldg. 166 Area Extra Dig and RR Removal	12/04/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	22
SWMU 13	Toltest **VIEW:** Looking West	Bldg. 171 Excavation and Sample Layout	12/04/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	23
SWMU 13	Toltest **VIEW:** Looking West	Bldg. 166 Option 2 Excavation and Sample Layout	12/05/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	24
SWMU 13	Toltest **VIEW:** Looking Northwest	Excavation at North End of Bldg. 171 Area	12/23/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	25
SWMU 13	Toltest **VIEW:** Looking West	Additional Excavation at Bldg. 171 East Drainage Channel	12/30/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	26
SWMU 13	Toltest **VIEW:** Looking Northwest	Additional Excavation at Bldg. 171 Main Excavation and East Drainage Channel	12/30/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	27
SWMU 13	Toltest **VIEW:** Looking North	Additional Excavation at Bldg. 171	12/30/08

SITE:	PHOTOGRAPHER:	DESCRIPTION:	28
SWMU 13	Toltest **VIEW:** Looking Northeast	Additional Excavation to the Edge of Road at Bldg. 171	12/30/08

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	29
SWMU 13	Toltest **VIEW:** Looking West	Additional Excavation at Bldg. 171	**12/30/08**

SITE:	PHOTOGRAPHER:	DESCRIPTION:	30
SWMU 13	Toltest **VIEW:** Looking North	Bldg. 171 Post Backfill	01/05/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	31
SWMU 13	Toltest **VIEW:** Looking East	Access Road at Bldg. 171 West Drainage Channel	01/12/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	32
SWMU 13	Toltest **VIEW:** Looking Southwest	Bldg. 171 West Drainage Channel	01/15/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	33
SWMU 13	Toltest **VIEW:**	Bldg. 171 West Drainage Channel – Prior to Clearing	01/15/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	34
SWMU 13	Toltest **VIEW:**	Demo of Sediment Box Behind Bldg. 171	01/16/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking Northwest	Excavation at Bldg. 171 East Drainage Channel	35 01/19/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking West	Backfilled Area at Bldg. 171	36 01/21/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking Northeast	Demo of Sump at Bldg. 171	37 01/22/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking Southwest	Additional Excavation of Bldg. 171 West Drainage Ditch	38 01/22/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking South	Backfill of Drainage Ditch West of Bldg. 171	39 01/23/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking East	Vac-Jet Crew at Ditch West of Bldg. 169	40 01/26/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW:** Looking North	Backfilling at Bldg. 171	41 02/05/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Toltest **VIEW: Looking Southwest**	Bldg. 171 East Drainage Channel Excavation	42 02/05/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	43
SWMU 13	Toltest **VIEW:**	Sediment Control Measure at Culvert West of Bldg. 171	02/06/09

SITE	PHOTOGRAPHER:	DESCRIPTION:	44
SWMU 13	Tetra Tech **VIEW:** Looking South	Area 1A at Bldg. 166	04/08/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	45
SWMU 13	Tetra Tech **VIEW:** Looking South	Close-up of Area along Tramway at Area 1A of Bldg. 166	04/08/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	46
SWMU 13	Tetra Tech **VIEW:**	Close-up of DPT Rig At Area 1A of Bldg. 166	

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	47
SWMU 13	Tetra Tech **VIEW:** Looking WSW	DPT Rig at Area 1A Bldg. 166	04/08/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	48
SWMU 13	Tetra Tech **VIEW:**	Overall of Area 1A at Bldg. 166 DPT Sampling Event	04/08/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Former Stockpile	Tetra Tech **VIEW:** Looking South	Area 1A Bldg.166	81 06/08/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking West	Area 1A of Bldg. 166	82 06/08/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	49
SWMU 13	Tetra Tech **VIEW:** Looking Southwest	Additional Excavation at Area 1A Bldg. 166	07/31/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	50
SWMU 13	Tetra Tech **VIEW:** Looking ENE	Additional Excavation at Area 1A Bldg. 166	07/31/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	51
SWMU 13	Tetra Tech **VIEW:** Looking South	Additional Excavation at Area 1A Bldg. 166	07/31/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	52
SWMU 13	Tetra Tech **VIEW:** Looking West	Verification Sampling After Bldg. 169 Sump Was Removed	07/31/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 166	Tetra Tech **VIEW:** West	Resampling of previously excavated and currently backfilled area around monitoring well east of B166 (orange flags denote aliquot collection locations).	53 08/13/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 166	Tetra Tech **VIEW:** Southwest	Resampling of previously excavated and currently backfilled area around monitoring well east of B166 (orange flags denote aliquot collection locations).	54 08/13/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 166	Tetra Tech **VIEW:** North	Resampling of previously excavated and currently backfilled area around monitoring well east of B166 (orange flags denote aliquot collection locations).	55 08/13/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 166	Tetra Tech **VIEW:** North	Settling basin on the east side of the B166 tramway (from which sample number 13SD082 was taken).	56 08/13/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 166	Tetra Tech **VIEW:** Down	Western-most end of settling basin on the east side of the B166 tramway (note that the hole on bottom right is the location of sample number 13SD082).	57 08/13/09

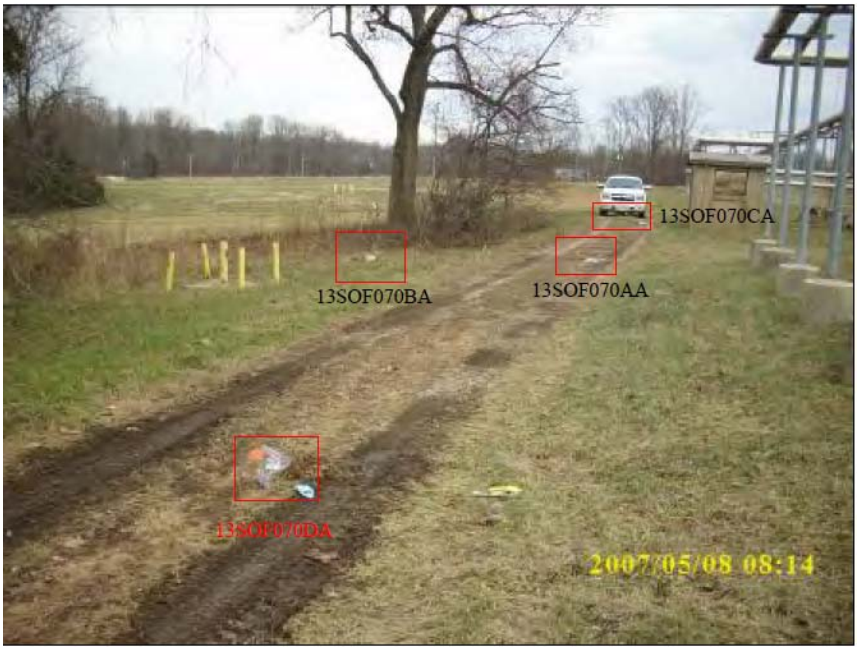
SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Former Stockpile	Tetra Tech **VIEW:** East	Support area sampling at SWMU 13 former location of soil stockpile – on asphalt pad west of B166 – sample 13SOCF069A (orange flags denote aliquot collection locations)	58 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Former Stockpile	Tetra Tech **VIEW:** Southwest	Support area sampling at SWMU 13 former location of soil stockpile – on asphalt pad west of B166 – sample 13SOCF069A (orange flags denote aliquot collection locations).	59 12/18/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Former Stockpile	Tetra Tech **VIEW:** West	Support area sampling at SWMU 13 former location of soil stockpile – on asphalt pad west of B166 – sample 13SOCF069A (orange flags denote aliquot collection locations).	60 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling



SITE: SWMU 13 Bldg. 171 West Drainage	**PHOTOGRAPHER:** Tetra Tech **VIEW:** East	**DESCRIPTION:** Support area sampling at SWMU 13 west of B171 (west drainage area) former location of small soil stockpile –sample 13SOCF068A (orange flags denote aliquot collection locations).	61 12/18/09

SITE: SWMU 13 Bldg. 171 West Drainage	**PHOTOGRAPHER:** Tetra Tech **VIEW:** East	**DESCRIPTION:** Support area sampling at SWMU 13 west of B171 (west drainage area) – sample 13SOCF068A (orange flags denote aliquot collection locations).	62 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 171 West Drainage	Tetra Tech **VIEW:** East	Support area sampling at SWMU 13 west of B171 (west drainage area) – sample 13SOCF068A (orange flags denote aliquot collection locations).	63 12/18/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 171 West Drainage	Tetra Tech **VIEW: South**	Support area sampling at SWMU 13 west of B171 (west drainage area) – sample 13SOCF067A (orange flags denote aliquot collection locations).	64 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 171 West Drainage	Tetra Tech **VIEW:** North	Support area sampling at SWMU 13 west of B171 (west drainage area) – sample 13SOCF067A (orange flags denote aliquot collection locations).	65 12/18/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 171 West Drainage	Tetra Tech **VIEW:** South	Support area sampling at SWMU 13 west of B171 (west drainage area) – sample 13SOCF067A (orange flags denote aliquot collection locations).	66 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE: SWMU 13 Bldg. 166 East	**PHOTOGRAPHER:** Tetra Tech **VIEW:** South	**DESCRIPTION:** Support area sampling at SWMU 13 east of B166 – sample 13SOCF066A (orange flags denote aliquot collection locations).	67 12/18/09

SITE: SWMU 13 Bldg. 171 East	**PHOTOGRAPHER:** Tetra Tech **VIEW:** Southwest	**DESCRIPTION:** Re-sampling at SWMU 13 east of B171 (resample of former 13SOCF021A) – sample 13SOCF064A (orange flags denote aliquot collection locations).	68 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE: SWMU 13 Bldg. 171 East	**PHOTOGRAPHER:** Tetra Tech **VIEW:** West	**DESCRIPTION:** Support area sampling at SWMU 13 east of B171 – sample 13SOCF065A (orange flags denote aliquot collection locations).	69 12/18/09

SITE: SWMU 13 Bldg. 171 East	**PHOTOGRAPHER:** Tetra Tech **VIEW:** West	**DESCRIPTION:** Support area sampling at SWMU 13 east of B171 – sample 13SOCF065A (orange flags denote aliquot collection locations).	70 12/18/09

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13 Bldg. 171 East	Tetra Tech **VIEW:** West	Support area sampling at SWMU 13 east of B171 – sample 13SOCF065A (orange flags denote aliquot collection locations).	71 12/18/09

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking West	Additional Excavation at Area 2A Bldg. 171	72 03/31/10

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking Southwest	Additional Excavation at Area 2A Bldg. 171	73 03/31/10

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking Southeast	Additional Excavation at Area 2A Bldg. 171	74 03/31/10

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking East	**Area 2A at Bldg. 171**	75 04/21/10

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking North	**Area 2A at Bldg. 171**	76 04/21/10

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking South	**Area 2A at Bldg. 171**	77 04/21/10

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking Southeast	**Area 2A at Bldg. 171**	78 04/21/10

Naval Support Activity Crane - SWMU 13 Confirmation Sampling

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking Southwest	**Area 2A at Bldg. 171**	79 04/21/10

SITE:	PHOTOGRAPHER:	DESCRIPTION:	
SWMU 13	Tetra Tech **VIEW:** Looking West	**Northern end of Area 2A at Bldg. 171**	80 04/21/10

APPENDIX B

VERIFICATION SAMPLE RESULTS FROM THE LABORATORY (TETRA TECH)

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**JANUARY 27, 2009**
FROM:	**MATTHEW D. KRAUS**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PCB**
NSWC CRANE – CTO F271
SAMPLE DELIVERY GROUP (SDG) – F21701

SAMPLES: 12/Soil/

13SOCF001A	13SOCF002A	13SOCF003A
13SOCW001A	13SOCW003A	13SOCW004A
13SOCW005A	13SOCW006A	13SOCW009A
13SOCW011A	13SOCW012A	FD11050801

Overview

The sample set for NSWC Crane, CTO F271, SDG F21701, consists of twelve soil environmental samples. One field duplicate pair (FD11050801 / 13SOCF003A) is included in this SDG.

All samples were analyzed for polychlorinated biphenyls (PCBs). The samples were collected by Tetra Tech NUS, Inc. on November 5th, 2008 and analyzed by Pace Analytical Services, Inc. PCB analyses were conducted in accordance with SW-846 method 8082. Gas chromatography / electron capture detector (GC/ECD) instrumentation and methodologies were utilized to analyze the PCB/PEST fractions.

Data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibration Recoveries
* • Laboratory Method/Preparation Blank Analyses
• Surrogate Recoveries
* • Matrix Spike Recoveries
* • Detection Limits
• Field Duplicate Precision
* • Compound Identification
* • Compound Quantitation

* - All quality control criteria were met for this parameter.

Field Duplicate Precision

Field duplicate imprecision (sample results > 5X Contract Required Detection Limit and Relative Percent Difference between results > 50 percent) was noted for Aroclor-1242 for the field duplicate pair (FD11050801 / 13SOCF003A). The positive Aroclor-1242 results reported for samples FD11050801 and 13SOCF003A were qualified as estimated.

Notes

The percent difference (%D) between GC column results for Aroclor-1242 was greater than 25% for the diluted analyses of samples 13SOCF002A, 13SOCF003A, 13SOCW001A, 13SOCW009A, and FD11050801. The positive Aroclor-1242 results reported for the aforementioned samples were qualified as estimated, "J".

The %D between GC column results for Aroclor-1242 was greater than 25% for the undiluted analysis of samples 13SOCW003A and 13SOCW006A. The positive Aroclor-1242 results reported for the aforementioned samples were qualified as estimated, "J".

The following list exhibits samples analyzed at dilutions due to linear range exceendance of corresponding compounds. The compounds listed were reported from the diluted analysis of the corresponding samples.

Sample	Dilution Factor	Compound(s)
13SOCF001A	10X	Aroclor-1242
13SOCF002A	10X	Aroclor-1242
13SOCF003A	10X	Aroclor-1242
13SOCW001A	20X	Aroclor-1242
13SOCW009A	10X	Aroclor-1242
FD11050801	10X	Aroclor-1242

The matrix spike (MS) and matrix spike duplicate (MSD) percent recoveries (%Rs) for Aroclor-1016 were greater than the upper quality control for undiluted and 10X diluted MS and MSD analyses of sample FD11050801. No data was qualified because the Aroclor-1016 result for sample FD11050801 was reported as non-detected.

The surrogate decachlorobiphenyl was diluted out of samples 13SOCW001A and 13SOCW009A. No validation action was taken.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: Several Aroclor-1242 results were qualified due to percent difference between columns for corresponding positive results determined by GC and field duplicate imprecision.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Data Review", October 1999, and the Department of Defense Quality Systems Manuel (DoD QSM).

The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Matthew D. Kraus
Environmental Chemist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF001A
samp_date	11/5/2008
lab_id	F21701-001
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	54	U	

nsample	13SOCF001A-DL
samp_date	11/5/2008
lab_id	F21701-001DL
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	6900		

nsample	13SOCF002A
samp_date	11/5/2008
lab_id	F21701-002
qc_type	NM
units	UG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	58	U	
AROCLOR-1221	58	U	
AROCLOR-1232	58	U	
AROCLOR-1248	58	U	
AROCLOR-1254	58	U	
AROCLOR-1260	58	U	

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF002A-DL
samp_date	11/5/2008
lab_id	F21701-002DL
qc_type	NM
units	UG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	8400	J	U

nsample	13SOCF003A
samp_date	11/5/2008
lab_id	F21701-003
qc_type	NM
units	UG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	50	U	
AROCLOR-1221	50	U	
AROCLOR-1232	50	U	
AROCLOR-1248	50	U	
AROCLOR-1254	50	U	
AROCLOR-1260	50	U	

nsample	13SOCF003A-DL
samp_date	11/5/2008
lab_id	F21701-003DL
qc_type	NM
units	UG/KG
Pct_Solids	91.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	7300	J	GU

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW001A
samp_date	11/5/2008
lab_id	F21701-004
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	55	U	
AROCLOR-1221	55	U	
AROCLOR-1232	55	U	
AROCLOR-1248	55	U	
AROCLOR-1254	55	U	
AROCLOR-1260	55	U	

nsample	13SOCW001A-DL
samp_date	11/5/2008
lab_id	F21701-004DL
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	24000	J	U

nsample	13SOCW003A
samp_date	11/5/2008
lab_id	F21701-005
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	56	U	
AROCLOR-1221	56	U	
AROCLOR-1232	56	U	
AROCLOR-1242	100	J	U
AROCLOR-1248	56	U	
AROCLOR-1254	56	U	
AROCLOR-1260	56	U	

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW004A	nsample	13SOCW005A	nsample	13SOCW006A
samp_date	11/5/2008	samp_date	11/5/2008	samp_date	11/5/2008
lab_id	F21701-006	lab_id	F21701-007	lab_id	F21701-008
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89.0	Pct_Solids	88.0	Pct_Solids	84.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	56	U	
AROCLOR-1221	56	U	
AROCLOR-1232	56	U	
AROCLOR-1242	56	U	
AROCLOR-1248	56	U	
AROCLOR-1254	56	U	
AROCLOR-1260	56	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1242	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	54	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	58	U	
AROCLOR-1221	58	U	
AROCLOR-1232	58	U	
AROCLOR-1242	1100	J	U
AROCLOR-1248	58	U	
AROCLOR-1254	58	U	
AROCLOR-1260	58	U	

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW009A
samp_date	11/5/2008
lab_id	F21701-009
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	60	U	
AROCLOR-1221	60	U	
AROCLOR-1232	60	U	
AROCLOR-1248	60	U	
AROCLOR-1254	60	U	
AROCLOR-1260	60	U	

nsample	13SOCW009A-DL
samp_date	11/5/2008
lab_id	F21701-009DL
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	14000	J	U

nsample	13SOCW011A
samp_date	11/5/2008
lab_id	F21701-010
qc_type	NM
units	UG/KG
Pct_Solids	92.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1242	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	54	U	

PROJ_NO: 01573

SDG: F21701 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW012A
samp_date	11/5/2008
lab_id	F21701-011
qc_type	NM
units	UG/KG
Pct_Solids	92.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	51	U	
AROCLOR-1221	51	U	
AROCLOR-1232	51	U	
AROCLOR-1242	51	U	
AROCLOR-1248	51	U	
AROCLOR-1254	51	U	
AROCLOR-1260	51	U	

nsample	FD11050801
samp_date	11/5/2008
lab_id	F21701-012
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	13SOCF003A

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	54	U	

nsample	FD11050801-DL
samp_date	11/5/2008
lab_id	F21701-012DL
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	13SOCF003A

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	16000	J	GU

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF001A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-001

Sample wt/vol: 5.17 (g/mL) gm

Lab File ID: XB100828.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	54	U
11104-28-2	AROCLOR-1221	54	U
11141-16-5	AROCLOR-1232	54	U
53469-21-9	AROCLOR-1242	6700	E
12672-29-6	AROCLOR-1248	54	U
11097-69-1	AROCLOR-1254	54	U
11096-82-5	AROCLOR-1260	54	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF001A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-001DL

Sample wt/vol: 5.17 (g/mL) gm

Lab File ID: XB100814.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	540	U
11104-28-2	AROCLOR-1221	540	U
11141-16-5	AROCLOR-1232	540	U
53469-21-9	AROCLOR-1242	6900	
12672-29-6	AROCLOR-1248	540	U
11097-69-1	AROCLOR-1254	540	U
11096-82-5	AROCLOR-1260	540	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF002A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-002

Sample wt/vol: 5.03 (g/mL) gm

Lab File ID: XB100829.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	58	U
11104-28-2	AROCLOR-1221	58	U
11141-16-5	AROCLOR-1232	58	U
53469-21-9	AROCLOR-1242	7700	E
12672-29-6	AROCLOR-1248	58	U
11097-69-1	AROCLOR-1254	58	U
11096-82-5	AROCLOR-1260	58	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF002A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-002DL

Sample wt/vol: 5.03 (g/mL) gm

Lab File ID: XB100815.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	580	U
11104-28-2	AROCLOR-1221	580	U
11141-16-5	AROCLOR-1232	580	U
53469-21-9	AROCLOR-1242	8400	
12672-29-6	AROCLOR-1248	580	U
11097-69-1	AROCLOR-1254	580	U
11096-82-5	AROCLOR-1260	580	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF003A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-003

Sample wt/vol: 5.47 (g/mL) gm

Lab File ID: XB100831.d

% Moisture: 9.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	50	U
11104-28-2	AROCLOR-1221	50	U
11141-16-5	AROCLOR-1232	50	U
53469-21-9	AROCLOR-1242	7200	E
12672-29-6	AROCLOR-1248	50	U
11097-69-1	AROCLOR-1254	50	U
11096-82-5	AROCLOR-1260	50	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF003A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-003DL

Sample wt/vol: 5.47 (g/mL) gm

Lab File ID: XB100817.d

% Moisture: 9.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	500	U
11104-28-2	AROCLOR-1221	500	U
11141-16-5	AROCLOR-1232	500	U
53469-21-9	AROCLOR-1242	7300	
12672-29-6	AROCLOR-1248	500	U
11097-69-1	AROCLOR-1254	500	U
11096-82-5	AROCLOR-1260	500	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW001A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-004

Sample wt/vol: 5.06 (g/mL) gm

Lab File ID: XB100819.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	55	U
11104-28-2	AROCLOR-1221	55	U
11141-16-5	AROCLOR-1232	55	U
53469-21-9	AROCLOR-1242	21000	PE
12672-29-6	AROCLOR-1248	55	U
11097-69-1	AROCLOR-1254	55	U
11096-82-5	AROCLOR-1260	55	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW001A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-004DL

Sample wt/vol: 5.06 (g/mL) gm

Lab File ID: XB100843.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	1100	U
11104-28-2	AROCLOR-1221	1100	U
11141-16-5	AROCLOR-1232	1100	U
53469-21-9	AROCLOR-1242	24000	P
12672-29-6	AROCLOR-1248	1100	U
11097-69-1	AROCLOR-1254	1100	U
11096-82-5	AROCLOR-1260	1100	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW003A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-005

Sample wt/vol: 5.00 (g/mL) gm

Lab File ID: XB100838.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	56	U
11104-28-2	AROCLOR-1221	56	U
11141-16-5	AROCLOR-1232	56	U
53469-21-9	AROCLOR-1242	100	PJ
12672-29-6	AROCLOR-1248	56	U
11097-69-1	AROCLOR-1254	56	U
11096-82-5	AROCLOR-1260	56	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW004A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-006

Sample wt/vol: 5.00 (g/mL) gm

Lab File ID: XB100830.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	56	U
11104-28-2	AROCLOR-1221	56	U
11141-16-5	AROCLOR-1232	56	U
53469-21-9	AROCLOR-1242	56	U
12672-29-6	AROCLOR-1248	56	U
11097-69-1	AROCLOR-1254	56	U
11096-82-5	AROCLOR-1260	56	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW005A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-007

Sample wt/vol: 5.29 (g/mL) gm

Lab File ID: XB100821.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	54	U
11104-28-2	AROCLOR-1221	54	U
11141-16-5	AROCLOR-1232	54	U
53469-21-9	AROCLOR-1242	54	U
12672-29-6	AROCLOR-1248	54	U
11097-69-1	AROCLOR-1254	54	U
11096-82-5	AROCLOR-1260	54	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW006A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-008

Sample wt/vol: 5.17 (g/mL) gm

Lab File ID: XB100822.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	58	U
11104-28-2	AROCLOR-1221	58	U
11141-16-5	AROCLOR-1232	58	U
53469-21-9	AROCLOR-1242	1100	P
12672-29-6	AROCLOR-1248	58	U
11097-69-1	AROCLOR-1254	58	U
11096-82-5	AROCLOR-1260	58	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW009A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-009

Sample wt/vol: 5.08 (g/mL) gm

Lab File ID: XB100832.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	60	U
11104-28-2	AROCLOR-1221	60	U
11141-16-5	AROCLOR-1232	60	U
53469-21-9	AROCLOR-1242	12000	E
12672-29-6	AROCLOR-1248	60	U
11097-69-1	AROCLOR-1254	60	U
11096-82-5	AROCLOR-1260	60	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW009A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-009DL

Sample wt/vol: 5.08 (g/mL) gm

Lab File ID: XB100818.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	600	U
11104-28-2	AROCLOR-1221	600	U
11141-16-5	AROCLOR-1232	600	U
53469-21-9	AROCLOR-1242	14000	
12672-29-6	AROCLOR-1248	600	U
11097-69-1	AROCLOR-1254	600	U
11096-82-5	AROCLOR-1260	600	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW011A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-010

Sample wt/vol: 5.02 (g/mL) gm

Lab File ID: XB100823.d

% Moisture: 8.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	54	U
11104-28-2	AROCLOR-1221	54	U
11141-16-5	AROCLOR-1232	54	U
53469-21-9	AROCLOR-1242	54	U
12672-29-6	AROCLOR-1248	54	U
11097-69-1	AROCLOR-1254	54	U
11096-82-5	AROCLOR-1260	54	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW012A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-011

Sample wt/vol: 5.34 (g/mL) gm

Lab File ID: XB100826.d

% Moisture: 8.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	51	U
11104-28-2	AROCLOR-1221	51	U
11141-16-5	AROCLOR-1232	51	U
53469-21-9	AROCLOR-1242	51	U
12672-29-6	AROCLOR-1248	51	U
11097-69-1	AROCLOR-1254	51	U
11096-82-5	AROCLOR-1260	51	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11050801

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-012

Sample wt/vol: 5.20 (g/mL) gm

Lab File ID: XB100827.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	54	U
11104-28-2	AROCLOR-1221	54	U
11141-16-5	AROCLOR-1232	54	U
53469-21-9	AROCLOR-1242	14000	E
12672-29-6	AROCLOR-1248	54	U
11097-69-1	AROCLOR-1254	54	U
11096-82-5	AROCLOR-1260	54	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11050801-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21701

Run Sequence: R032593

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21701-012DL

Sample wt/vol: 5.20 (g/mL) gm

Lab File ID: XB100840.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/05/2008

Extraction: (Type) CONT

Date Extracted: 11/10/2008

Concentrated Extract Volume: 10000.0(uL)

Date Analyzed: 11/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	540	U
11104-28-2	AROCLOR-1221	540	U
11141-16-5	AROCLOR-1232	540	U
53469-21-9	AROCLOR-1242	16000	
12672-29-6	AROCLOR-1248	540	U
11097-69-1	AROCLOR-1254	540	U
11096-82-5	AROCLOR-1260	540	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

LS# 4558 121401

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 4131 | PAGE 1 OF 1

Swmu 13

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC Crane	S. Ruffing	412-921-8989	Pace Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		J. Goerdt	412-443-0244	940 South Harney St.
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FedEx/863125265716		Seattle, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT) Hrs	BOTTOM DEPTH (FT) Hrs	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs Aroclors 8082	COMMENTS
1	11/5	1700	1350CF001A	F001	0	3	SO	C	1	1	
2		1706	1350CF002A	F002	0	3			3	3	MS/MSD
3		1712	1350CF003A	F003	0	3			1	1	
4		1705	1350CW001A	W001	NA	NA			1	1	Hot
5		1720	1350CW003A	W003					1	1	
6		1724	1350CW004A	W004					1	1	
7		1730	1350CW005A	W005					1	1	
8		1736	1350CW006A	W006					1	1	
9		1740	1350CW009A	W009					1	1	
10		1744	1350CW011A	W011					1	1	
11		1748	1350CW012A	W012					1	1	
12		0000	FD11050801	QC					1	1	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	11/7/08	1030	1. RECEIVED BY: Pace	08/11/08	0930
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**JANUARY 27, 2009**
FROM:	**LEANNE M. GANSER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB CTO F271, NSWC CRANE SDG F21702**		
SAMPLES:	14 / Soil		

13SOCD001A	13SOCF004A	13SOCF005A	13SOCF006A
13SOCF007A	13SOCF008A	13SOCW014A	13SOCW016A
13SOCW017A	13SOCW018A	13SOCW019A	13SOCW020A
13SOCW021A	FD11120801		

OVERVIEW

The sample set for CTO F271; NSWC Crane, SDG F21702 consists of fourteen (14) soil environmental samples. One field duplicate pair was included with this SDG: 13SOCD001A / FD11120801. The samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on November 12, 2008 and analyzed by Pace Analytical Services, Inc. All analyses were conducted using USEPA SW 846 Method 8082. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
• Initial and Continuing Calibration Recoveries
• Laboratory Method/Preparation Blank Analyses
• Surrogate Recoveries
* • Blank Spike Results
• Matrix Spike/Matrix Spike Duplicate Results
* • Field Duplicate Precision
* • Detection Limits
* • Compound Quantitation
• Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Initial and Continuing Calibration Recoveries

The continuing calibration verification (CCV) analyzed on column 2 at 16:47 on 11/18/2008 yielded percent differences (%Ds) beyond the control limit (± 15%) for Aroclor-1242 affecting the original analysis of samples 13SOCF004A, 13SOCF005A, 13SOCF006A, 13SOCF007A, 13SOCF008A, 13SOCW014A, 13SOCW016A, and 13SOCW017A. The positive aroclor-1242 results reported for the affected samples were not qualified because those results were reported from diluted samples.

The continuing calibration verification (CCV) analyzed on column 1 at 21:43 on 11/18/2008 yielded percent differences (%Ds) beyond the control limit (± 15%) for Aroclor-1242 affecting the original analysis of all samples. The positive aroclor-1242 results reported for all samples, except 13SOCW018A and 13SOCW019A, were not qualified because those results were reported from diluted samples. The positive aroclor-1242 result reported for sample 13SOCW018A was not qualified because the result was reported from column 2 and the %D for Aroclor-1242 was compliant on column 2. The positive Aroclor-1242 result reported for sample 13SOCW019A was qualified as estimated, "J" because the result was reported from column 1.

Blank Results

The following contaminants were detected in the laboratory method/performance blanks at the following maximum concentration:

Analyte	Maximum Concentration	Action Level
Aroclor-1016(1)	160 ug/kg	800 ug/kg
Aroclor-1260(1)	160 ug/kg	800 ug/kg

(1) Method blank affecting diluted samples 13SOCD001A, 13SOCW016A, and 13SOCW017A.

An action level of 5X the maximum contaminant level has been used to evaluate sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. No qualification of data was required as results for the aforementioned compounds were reported from the non-diluted samples.

Surrogate Recoveries

The surrogates decachlorobiphenyl and tetrachloro-m-xylene had zero percent recoveries for diluted sample 13SOCF005A. The original analysis was used for validation of all compounds, except Aroclor-1242. The positive result for Aroclor-1242 was not qualified as the low surrogate recovery was due to sample dilution (1000x).

Matrix Spike/Matrix Spike Duplicate Results

The matrix spike / matrix spike duplicate (MS/MSD) performed on sample 13SOCF004A had percent recoveries greater than the quality control limits for Aroclor-1016 and Aroclor-1260. No action was taken on this basis because Aroclor-1016 and Aroclor-1260 were not detected in the sample.

The matrix spike / matrix spike duplicate (MS/MSD) performed on diluted sample 13SOCF004A had a percent recovery greater than the quality control limit for Aroclor-1016. No action was taken on this basis because Aroclor-1016 was not detected in the sample.

Compound Identification

The %D between columns exceeded 25% for Aroclor-1242 in the following samples. The positive results were reported as estimated, (J) for the samples below:

Sample	Dilution	%D
13SOCD001A	100X	59.65

13SOCF006A	10X	52.72
13SOCF007A	100X	59.53
13SOCF008A	20X	49.64
13SOCW014A	100X	54.92
13SOCW017A	20X	46.67
13SOCW018A	1X	54.49
13SOCW019A	1X	32.03
13SOCW021A	20X	48.74
FD11120801	100X	69.95

Notes

Original analysis of samples 13SOCF005A and 13SOCW014A were analyzed at a 10X dilution, resulting in elevated detection limits.

Most samples required a dilution because of the concentration for Aroclor-1242 was greater than the linear calibration range of the instrument. All other results were reported from the undiluted analysis. The following list summarizes the dilution factor of each diluted sample in this SDG as reported on the laboratory Form 1 reports:

Dilution Factor	Sample ID
100X	13SOCD001A
20X	13SOCF004A
1000X	13SOCF005A
10X	13SOCF006A
100X	13SOCF007A
20X	13SOCF008A
100X	13SOCW014A
20X	13SOCW016A
20X	13SOCW017A
10X	13SOCW020A
20X	13SOCW021A
100X	FD11120801

The %D between columns exceeded 25% for Aroclor-1242 in the following samples. No action was taken on this basis as results for Aroclor-1242 were reported from the diluted sample.

Sample	Dilution	%D
13SOCD001A	1X	156.4
13SOCF006A	1X	63.84
13SOCF007A	1X	65.27
13SOCF008A	1X	109.7
13SOCW014A	10X	54.69
13SOCW016A	1X	26.14
13SOCW017A	1X	62.6
13SOCW020A	1X	873.8
13SOCW021A	1X	46.05
FD11120801	1X	106.4

TO: S. RUFFING– PAGE 4
DATE: JANUARY 27, 2009

EXECUTIVE SUMMARY

Laboratory Performance Issues: PCB continuing calibrations were outside %D quality control limits for Aroclor-1242. Aroclor-1016 and Aroclor-1260 were present in a method blank.

Other Factors Affecting Data Quality: Surrogate and matrix spike non-compliances did not result in qualification of the data. Qualifications were made based percent difference between analytical columns for the PCB analyses.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Leanne M Ganser

Tetra Tech NUS
Leanne M. Ganser
Environmental Scientist

Edward Sedlmayr /for

Tetra Tech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DOT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCD001A
samp_date	11/12/2008
lab_id	F21702-014
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	9.7	U	
AROCLOR-1221	9.7	U	
AROCLOR-1232	9.7	U	
AROCLOR-1248	9.7	U	
AROCLOR-1254	9.7	U	
AROCLOR-1260	9.7	U	

nsample	13SOCD001A-DL
samp_date	11/12/2008
lab_id	F21702-014DL
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	3800	J	U

nsample	13SOCF004A
samp_date	11/12/2008
lab_id	F21702-001
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1248	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF004A-DL
samp_date	11/12/2008
lab_id	F21702-001DL
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	4200		

nsample	13SOCF005A
samp_date	11/12/2008
lab_id	F21702-002
qc_type	NM
units	UG/KG
Pct_Solids	79.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	320	U	
AROCLOR-1221	320	U	
AROCLOR-1232	320	U	
AROCLOR-1248	320	U	
AROCLOR-1254	320	U	
AROCLOR-1260	320	U	

nsample	13SOCF005A-DL
samp_date	11/12/2008
lab_id	F21702-002DL
qc_type	NM
units	UG/KG
Pct_Solids	79.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	1100000		

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF006A
samp_date	11/12/2008
lab_id	F21702-003
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	9.8	U	
AROCLOR-1221	9.8	U	
AROCLOR-1232	9.8	U	
AROCLOR-1248	9.8	U	
AROCLOR-1254	9.8	U	
AROCLOR-1260	9.8	U	

nsample	13SOCF006A-DL
samp_date	11/12/2008
lab_id	F21702-003DL
qc_type	NM
units	UG/KG
Pct_Solids	90.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	1000	J	U

nsample	13SOCF007A
samp_date	11/12/2008
lab_id	F21702-004
qc_type	NM
units	UG/KG
Pct_Solids	87.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	9.8	U	
AROCLOR-1221	9.8	U	
AROCLOR-1232	9.8	U	
AROCLOR-1248	9.8	U	
AROCLOR-1254	9.8	U	
AROCLOR-1260	9.8	U	

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF007A-DL
samp_date	11/12/2008
lab_id	F21702-004DL
qc_type	NM
units	UG/KG
Pct_Solids	87.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	16000	J	U

nsample	13SOCF008A
samp_date	11/12/2008
lab_id	F21702-005
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1248	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

nsample	13SOCF008A-DL
samp_date	11/12/2008
lab_id	F21702-005DL
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	1200	J	U

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW014A	nsample	13SOCW014A-DL	nsample	13SOCW016A
samp_date	11/12/2008	samp_date	11/12/2008	samp_date	11/12/2008
lab_id	F21702-006	lab_id	F21702-006DL	lab_id	F21702-007
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	86.0	Pct_Solids	86.0	Pct_Solids	89.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	260	U	
AROCLOR-1221	260	U	
AROCLOR-1232	260	U	
AROCLOR-1248	260	U	
AROCLOR-1254	260	U	
AROCLOR-1260	260	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	17000	J	U

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1248	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW016A-DL
samp_date	11/12/2008
lab_id	F21702-007DL
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	4200		

nsample	13SOCW017A
samp_date	11/12/2008
lab_id	F21702-008
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	9.8	U	
AROCLOR-1221	9.8	U	
AROCLOR-1232	9.8	U	
AROCLOR-1248	9.8	U	
AROCLOR-1254	9.8	U	
AROCLOR-1260	9.8	U	

nsample	13SOCW017A-DL
samp_date	11/12/2008
lab_id	F21702-008DL
qc_type	NM
units	UG/KG
Pct_Solids	89.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	430	J	U

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW018A	nsample	13SOCW019A	nsample	13SOCW020A
samp_date	11/12/2008	samp_date	11/12/2008	samp_date	11/12/2008
lab_id	F21702-009	lab_id	F21702-010	lab_id	F21702-011
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	84.0	Pct_Solids	83.0	Pct_Solids	78.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	120	J	U
AROCLOR-1248	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	250	J	CU
AROCLOR-1248	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1248	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW020A-DL
samp_date	11/12/2008
lab_id	F21702-011DL
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	1400		

nsample	13SOCW021A
samp_date	11/12/2008
lab_id	F21702-012
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1248	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

nsample	13SOCW021A-DL
samp_date	11/12/2008
lab_id	F21702-012DL
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	1400	J	U

PROJ_NO: 01573

SDG: F21702 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	FD11120801	nsample	FD11120801-DL
samp_date	11/12/2008	samp_date	11/12/2008
lab_id	F21702-013	lab_id	F21702-013DL
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	81.0	Pct_Solids	81.0
DUP_OF:	13SCOD001A	DUP_OF:	13SOCD001A

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1248	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	3600	J	U

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCD001A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-014

Sample wt/vol: 16.95 (g/mL) gm

Lab File ID: XB180832.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.7	U
11104-28-2	AROCLOR-1221	9.7	U
11141-16-5	AROCLOR-1232	9.7	U
53469-21-9	AROCLOR-1242	3100	EP
12672-29-6	AROCLOR-1248	9.7	U
11097-69-1	AROCLOR-1254	9.7	U
11096-82-5	AROCLOR-1260	9.7	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCD001A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-014DL

Sample wt/vol: 16.95 (g/mL) gm

Lab File ID: XB180873.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	970	U
11104-28-2	AROCLOR-1221	970	U
11141-16-5	AROCLOR-1232	970	U
53469-21-9	AROCLOR-1242	3800	P
12672-29-6	AROCLOR-1248	970	U
11097-69-1	AROCLOR-1254	970	U
11096-82-5	AROCLOR-1260	970	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF004A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-001

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: XB180817.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	3400	E
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF004A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-001DL

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: XB180860.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	4200	
12672-29-6	AROCLOR-1248	210	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF005A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-002

Sample wt/vol: 5.38 (g/mL) gm

Lab File ID: XB180818.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	320	U
11104-28-2	AROCLOR-1221	320	U
11141-16-5	AROCLOR-1232	320	U
53469-21-9	AROCLOR-1242	530000	E
12672-29-6	AROCLOR-1248	320	U
11097-69-1	AROCLOR-1254	320	U
11096-82-5	AROCLOR-1260	320	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF005A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-002DL

Sample wt/vol: 5.38 (g/mL) gm

Lab File ID: XB180861.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	32000	U
11104-28-2	AROCLOR-1221	32000	U
11141-16-5	AROCLOR-1232	32000	U
53469-21-9	AROCLOR-1242	1100000	
12672-29-6	AROCLOR-1248	32000	U
11097-69-1	AROCLOR-1254	32000	U
11096-82-5	AROCLOR-1260	32000	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF006A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-003

Sample wt/vol: 15.28 (g/mL) gm

Lab File ID: XB180819.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.8	U
11104-28-2	AROCLOR-1221	9.8	U
11141-16-5	AROCLOR-1232	9.8	U
53469-21-9	AROCLOR-1242	970	EP
12672-29-6	AROCLOR-1248	9.8	U
11097-69-1	AROCLOR-1254	9.8	U
11096-82-5	AROCLOR-1260	9.8	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF006A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-003DL

Sample wt/vol: 15.28 (g/mL) gm

Lab File ID: XB180862.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	98	U
11104-28-2	AROCLOR-1221	98	U
11141-16-5	AROCLOR-1232	98	U
53469-21-9	AROCLOR-1242	1000	P
12672-29-6	AROCLOR-1248	98	U
11097-69-1	AROCLOR-1254	98	U
11096-82-5	AROCLOR-1260	98	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF007A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-004

Sample wt/vol: 15.84 (g/mL) gm

Lab File ID: XB180820.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.8	U
11104-28-2	AROCLOR-1221	9.8	U
11141-16-5	AROCLOR-1232	9.8	U
53469-21-9	AROCLOR-1242	8400	EP
12672-29-6	AROCLOR-1248	9.8	U
11097-69-1	AROCLOR-1254	9.8	U
11096-82-5	AROCLOR-1260	9.8	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF007A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-004DL

Sample wt/vol: 15.84 (g/mL) gm

Lab File ID: XB180863.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	980	U
11104-28-2	AROCLOR-1221	980	U
11141-16-5	AROCLOR-1232	980	U
53469-21-9	AROCLOR-1242	16000	P
12672-29-6	AROCLOR-1248	980	U
11097-69-1	AROCLOR-1254	980	U
11096-82-5	AROCLOR-1260	980	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF008A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-005

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: XB180821.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	1000	EP
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF008A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-005DL

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: XB180867.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	1200	
12672-29-6	AROCLOR-1248	210	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW014A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-006

Sample wt/vol: 6.12 (g/mL) gm

Lab File ID: XB180822.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	260	U
11104-28-2	AROCLOR-1221	260	U
11141-16-5	AROCLOR-1232	260	U
53469-21-9	AROCLOR-1242	17000	EP
12672-29-6	AROCLOR-1248	260	U
11097-69-1	AROCLOR-1254	260	U
11096-82-5	AROCLOR-1260	260	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW014A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-006DL

Sample wt/vol: 6.12 (g/mL) gm

Lab File ID: XB180868.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2600	U
11104-28-2	AROCLOR-1221	2600	U
11141-16-5	AROCLOR-1232	2600	U
53469-21-9	AROCLOR-1242	17000	P
12672-29-6	AROCLOR-1248	2600	U
11097-69-1	AROCLOR-1254	2600	U
11096-82-5	AROCLOR-1260	2600	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW016A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-007

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XB180823.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	3700	E
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW016A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-007DL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XB180869.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	200	U
11104-28-2	AROCLOR-1221	200	U
11141-16-5	AROCLOR-1232	200	U
53469-21-9	AROCLOR-1242	4200	
12672-29-6	AROCLOR-1248	200	U
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW017A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-008

Sample wt/vol: 15.5 (g/mL) gm

Lab File ID: XB180824.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.8	U
11104-28-2	AROCLOR-1221	9.8	U
11141-16-5	AROCLOR-1232	9.8	U
53469-21-9	AROCLOR-1242	360	EP
12672-29-6	AROCLOR-1248	9.8	U
11097-69-1	AROCLOR-1254	9.8	U
11096-82-5	AROCLOR-1260	9.8	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW017A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-008DL

Sample wt/vol: 15.5 (g/mL) gm

Lab File ID: XB180870.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	200	U
11104-28-2	AROCLOR-1221	200	U
11141-16-5	AROCLOR-1232	200	U
53469-21-9	AROCLOR-1242	430	P
12672-29-6	AROCLOR-1248	200	U
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW018A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-009

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XB180827.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	120	P
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW019A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-010

Sample wt/vol: 15.8 (g/mL) gm

Lab File ID: XB180828.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	250	
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW020A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-011

Sample wt/vol: 15.89 (g/mL) gm

Lab File ID: XB180829.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	1000	EP
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW020A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-011DL

Sample wt/vol: 15.89 (g/mL) gm

Lab File ID: XB180856.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	1400	
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW021A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-012

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: XB180830.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/18/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	1200	EP
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW021A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-012DL

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: XB180857.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	1400	P
12672-29-6	AROCLOR-1248	210	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11120801

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-013

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XB180831.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	2900	EP
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11120801-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21702

Run Sequence: R032844

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21702-013DL

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XB180858.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/12/2008

Extraction: (Type) PFEX

Date Extracted: 11/18/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/19/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	1100	U
11104-28-2	AROCLOR-1221	1100	U
11141-16-5	AROCLOR-1232	1100	U
53469-21-9	AROCLOR-1242	3600	P
12672-29-6	AROCLOR-1248	1100	U
11097-69-1	AROCLOR-1254	1100	U
11096-82-5	AROCLOR-1260	1100	U

Comments:

APPENDIX C
SUPPORT DOCUMENTATION

LS#4445 + 21102

TETRA TECH NUS, INC. SWMU 13 CHAIN OF CUSTODY | NUMBER 4133 | PAGE 1 OF ____

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NWSC CRANE	S. RUFFING	(412)921-8999	PACE ANALYTICAL
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		B. COLLINS	(412) 404-2812	940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE
				SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4 deg C

TYPE OF ANALYSIS: PCBs SW846-8082

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT) INCHES	BOTTOM DEPTH (FT) INCHES	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW846-8082	COMMENTS
1	11/12	16:48	13SOCF004A	F004	0	3	SO	C	3	3	MS/MSD
2		16:52	13SOCF005A	F005	0	3			1	1	HOT
3		16:55	13SOCF006A	F006	0	3			1	1	
4		17:00	13SOCF007A	F007	0	3			1	1	
5		17:10	13SOCF008A	F008	0	3			1	1	
6		17:18	13SOCW014A	W014	NA	NA			1	1	HOT
7		17:27	13SOCW016A	W016					1	1	
8		17:30	13SOCW017A	W017					1	1	
9		17:35	13SOCW018A	W018					1	1	
10		17:40	13SOCW019A	W019					1	1	
11		17:45	13SOCW020A	W020					1	1	
12		17:50	13SOCW021A	W021					1	1	
13		0000	FD11120801	QC					1	1	

1. RELINQUISHED BY: Betsy Collins	DATE 11/14/08	TIME 10:30	1. RECEIVED BY	DATE 11/17/08	TIME 1405
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

TETRA TECH NUS, INC. LS# 9443 SWMU 13 + 01 100

CHAIN OF CUSTODY | NUMBER 4134 | PAGE 1 OF 1

10

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NWSC CRANE	S. RUFFING	(412) 921-8989	PACE ANALYTICAL
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		B. COLLINS	(412) 404-2812	940 SOUTH HARVEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE
				SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4 deg C

TYPE OF ANALYSIS: PCBs SW846-8082

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (~~FT~~ INCHES)	BOTTOM DEPTH (~~FT~~ INCHES)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP(C)	No. OF CONTAINERS	PCBs SW846-8082								COMMENTS
11/12	17:55	13SOCD001A	D001	0	3	SO	C	1	1								

1. RELINQUISHED BY Beth Colly	DATE 11/14/08	TIME 10:30	1. RECEIVED BY	DATE 11/17/08	TIME 1905
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**JANUARY 27, 2009**
FROM:	**LEIGH A. CIOFANI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) F21703

SAMPLES: 19 / Solid / PCB

13SOCF009A	13SOCF011A	13SOCF012A
13SOCF013A	13SOCF014A	13SOCF015A
13SOCW023A	13SOCW024A	13SOCW025A
13SOCW026A	13SOCW027A	13SOCW028A
13SOCW029A	13SOF010BA	13SOF010CA
13SOW022AA	13SOW022BA	13SOW022CA
13SOW022DA		

OVERVIEW

The sample set for CTO F271 NSWC Crane, SDG F21703, consists of nineteen (19) solid environmental samples. There were two field duplicate pairs associated with this SDG, 13SOCF013A / FD11200801 and 13SOCF009A / FD11200802. (The field duplicate samples were included in SDG F21704.)

Samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by Tetra Tech NUS on November 20, 2008 and analyzed by Pace Analytical Services, Inc. All analyses were conducted in accordance with SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
• Initial/Continuing Calibrations
* • Laboratory Method/Field Blank Results
• Surrogate Recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
• Field Duplicate Precision
* • Compound Quantitation
• Compound Identification
* • Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

The following samples had Aroclor-1248 exceed the instrument calibration range and were reanalyzed at a

dilution factors greater than 1:

Sample	Dilution Factor
13SOW022BA	4
13SOCF012A	10
13SOCW026A	10
13SOCF009A	20
13SOCF011A	20
13SOCF015A	20
13SOCF023A	20
13SOCW024A	20
13SOCW027A	20
13SOF010BA	20
13SOW022AA	20
13SOW022CA	20
13SOW022DA	20
13SOF010CA	200

The result for Aroclor-1248 was taken from these diluted samples.

In several samples, results for analytes other than Aroclor-1248 were also reported with dilution factors greater than 1. Therefore, results for all analytes except for Aroclor-1248 in the following samples had dilution factors as listed:

Sample	Dilution Factor
13SOCF011A	2
13SOCF015A	2
13SOCW024A	2
13SOCW027A	2
13SOF010BA	2
13SOF010CA	10

The continuing calibration XB240828 run on 11/24/08 at 22:57 on instrument 6890X had a percent difference that was outside of the ±15% acceptance range on the secondary column only for Aroclor-1260. No action was necessary because all results for Aroclor-1260 in this SDG were non-detected and the primary column was compliant.

The continuing calibration XB240854 run on 11/25/08 at 09:59 on instrument 6890X had a percent difference that was outside of the ±15% acceptance range on the secondary column only for Aroclor-1260. No action was necessary because all results for Aroclor-1260 in this SDG were non-detected and the primary column was compliant.

The continuing calibration XB250814 run on 11/25/08 at 22:30 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1248 on the primary column only. No action was necessary, as no samples from this SDG were affected by this calibration.

The continuing calibration XB250815 run on 11/25/08 at 22:56 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1248 on the primary column only. The following samples were affected: 13SOCF009A, 13SOCF011A, 13SOCF012A, 13SOCF015A, 13SOCW023A, 13SOCW024A, 13SOCW026A, 13SOCW027A, and 13SOCW028A. Positive results for Aroclor-1248 reported from the primary column (samples 13SOCW023A and 13SOCW028A) were qualified as estimated (J) for calibration noncompliance.

The continuing calibration XC090821 run on 12/09/08 at 15:44 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1248 on both columns. No action was necessary, as no samples from this SDG were associated with this calibration.

The continuing calibration XC090834 run on 12/10/08 at 05:54 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1242 on the primary column. No action was necessary, as no samples from this SDG were associated with this calibration.

The continuing calibration XC100822 run on 12/11/08 at 01:56 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1242 on both columns. The following samples were affected: 13SOF010BA, 13SOCW027A, 13SOCW024A, 13SOCF015A, and 13SOCF011A. Non-detected results for Aroclor-1242 were qualified as estimated (UJ) in the affected samples.

The continuing calibration XC100833 run on 12/11/08 at 06:35 on instrument 6890X had a percent difference result that was outside of the ±15% acceptance range for Aroclor-1242 on the primary column only. The following samples were affected: 13SOF010BA, 13SOCW027A, 13SOCW024A, 13SOCF015A, and 13SOCF011A. No action was necessary, as results for Aroclor-1242 were non-detected in the affected samples and the secondary column was compliant.

The dilution of sample 13SOF010BA had a surrogate recovery for decachlorobiphenyl (DCB) that was greater than the laboratory upper acceptance limit. The positive result for Aroclor-1248 that was taken from this dilution was qualified as estimated (J) for surrogate recovery noncompliance.

The dilution of sample 13SOF010CA (diluted 10X) had a surrogate recovery for DCB that was greater than the upper acceptance limit. In addition, the surrogate recovery for tetrachloro-m-xylene (TMX) was 0%. No action is taken for dilutions with dilution factors greater than 5X because surrogates get diluted out.

The dilution of sample 13SOCW027A had a surrogate recovery for DCB that was greater than the laboratory upper acceptance limit. The positive result for Aroclor-1248 that was taken from this dilution was qualified as estimated (J) due to surrogate recovery noncompliance.

The percent difference between columns exceeded the 25% limit for Aroclor-1248 in the following samples:

Sample	Percent Difference
13SOCF014A	33.97%
13SOCF015A	29%
13SOCW023A	47.41%
13SOCW025A	40.26%
13SOCW027A	28.03%
13SOCW028A	55.19%
13SOCW029A	32.69%

Positive results for Aroclor-1248 in the aforementioned samples were qualified as estimated (J) on this basis.

The field duplicate RPD for Aroclor-1248 for duplicate pair FD11200801 / 13SOCF013A was greater than the 50% quality control limit. In sample FD11200801 from SDG F21704 and sample 13SOCF013A from this SDG, Aroclor-1248 results were qualified estimated, (J) and (UJ), respectively.

Positive results reported between the method detection limit and the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

Notes

Samples 13SD077, 13SD078, FD11200801, and FD11200802 are included in SDG F21704 even though these samples are listed on the Chain-of-Custody associated with this report.

No Aroclor-1254 continuing calibration forms were reported by the laboratory for the sequence run on 11/24/08 because Aroclor-1254 was not detected in any samples in this SDG.

No project-specific detection limit requirements were available to evaluate the laboratory detection limits.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Several results were qualified as estimated due to calibration noncompliance. Results for Aroclor-1248 were qualified as estimated due to surrogate recovery noncompliance.

Other Factors Affecting Data Quality: Aroclor-1248 results in some samples were qualified due to percent difference between columns results. Field duplicate imprecision led to the qualification of Aroclor-1248 in one sample. One result was qualified as estimated due to uncertainty near the detection limit.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99), and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Leigh A. Ciofani
Tetra Tech NUS

Leigh A. Ciofani
Data Validator/Environmental Scientist I

Edward Sedlmyer/for
TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF009A
samp_date	11/20/2008
lab_id	F21703-001
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

nsample	13SOCF009A-DL
samp_date	11/20/2008
lab_id	F21703-001DL
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	3600		

nsample	13SOCF011A
samp_date	11/20/2008
lab_id	F21703-002
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	UJ	C
AROCLOR-1254	21	U	
AROCLOR-1260	21	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF011A-DL
samp_date	11/20/2008
lab_id	F21703-002DL
qc_type	NM
units	UG/KG
Pct_Solids	82.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	1400		

nsample	13SOCF012A
samp_date	11/20/2008
lab_id	F21703-003
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

nsample	13SOCF012A-DL
samp_date	11/20/2008
lab_id	F21703-003DL
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	1100		

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF013A	nsample	13SOCF014A	nsample	13SOCF015A
samp_date	11/20/2008	samp_date	11/20/2008	samp_date	11/20/2008
lab_id	F21703-004	lab_id	F21703-005	lab_id	F21703-006
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	81.0	Pct_Solids	79.0	Pct_Solids	85.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	13	J	P
AROCLOR-1248	11	UJ	G
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	11	U	
AROCLOR-1248	48	J	U
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	UJ	C
AROCLOR-1254	21	U	
AROCLOR-1260	21	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF015A-DL
samp_date	11/20/2008
lab_id	F21703-006DL
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	490	J	U

nsample	13SOCW023A
samp_date	11/20/2008
lab_id	F21703-007
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

nsample	13SOCW023A-DL
samp_date	11/20/2008
lab_id	F21703-007DL
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	1700	J	CU

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW024A
samp_date	11/20/2008
lab_id	F21703-008
qc_type	NM
units	UG/KG
Pct_Solids	88.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	19	U	
AROCLOR-1221	19	U	
AROCLOR-1232	19	U	
AROCLOR-1242	19	UJ	C
AROCLOR-1254	19	U	
AROCLOR-1260	19	U	

nsample	13SOCW024A-DL
samp_date	11/20/2008
lab_id	F21703-008DL
qc_type	NM
units	UG/KG
Pct_Solids	88.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	1500		

nsample	13SOCW025A
samp_date	11/20/2008
lab_id	F21703-009
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1248	110	J	U
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW026A
samp_date	11/20/2008
lab_id	F21703-010
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11	U	
AROCLOR-1221	11	U	
AROCLOR-1232	11	U	
AROCLOR-1242	11	U	
AROCLOR-1254	11	U	
AROCLOR-1260	11	U	

nsample	13SOCW026A-DL
samp_date	11/20/2008
lab_id	F21703-010DL
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	770		

nsample	13SOCW027A
samp_date	11/20/2008
lab_id	F21703-011
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	21	U	
AROCLOR-1221	21	U	
AROCLOR-1232	21	U	
AROCLOR-1242	21	UJ	C
AROCLOR-1254	21	U	
AROCLOR-1260	21	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCW027A-DL
samp_date	11/20/2008
lab_id	F21703-011DL
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	2100	J	CRU

nsample	13SOCW028A
samp_date	11/20/2008
lab_id	F21703-012
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1248	48	J	CU
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

nsample	13SOCW029A
samp_date	11/20/2008
lab_id	F21703-013
qc_type	NM
units	UG/KG
Pct_Solids	86.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1248	67	J	U
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOF010BA
samp_date	11/20/2008
lab_id	F21703-014
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	20	U	
AROCLOR-1221	20	U	
AROCLOR-1232	20	U	
AROCLOR-1242	20	UJ	C
AROCLOR-1254	20	U	
AROCLOR-1260	20	U	

nsample	13SOF010BA-DL
samp_date	11/20/2008
lab_id	F21703-014DL
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	3900	J	CR

nsample	13SOF010CA
samp_date	11/20/2008
lab_id	F21703-015
qc_type	NM
units	UG/KG
Pct_Solids	68.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	240	U	
AROCLOR-1221	240	U	
AROCLOR-1232	240	U	
AROCLOR-1242	240	U	
AROCLOR-1254	240	U	
AROCLOR-1260	240	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOF010CA-DL
samp_date	11/20/2008
lab_id	F21703-015DL
qc_type	NM
units	UG/KG
Pct_Solids	68.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	25000	J	C

nsample	13SOW022AA
samp_date	11/20/2008
lab_id	F21703-016
qc_type	NM
units	UG/KG
Pct_Solids	76.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	9.9	U	
AROCLOR-1221	9.9	U	
AROCLOR-1232	9.9	U	
AROCLOR-1242	9.9	U	
AROCLOR-1254	9.9	U	
AROCLOR-1260	9.9	U	

nsample	13SOW022AA-DL
samp_date	11/20/2008
lab_id	F21703-016DL
qc_type	NM
units	UG/KG
Pct_Solids	76.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	3300		

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOW022BA
samp_date	11/20/2008
lab_id	F21703-017
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

nsample	13SOW022BA-DL
samp_date	11/20/2008
lab_id	F21703-017DL
qc_type	NM
units	UG/KG
Pct_Solids	81.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	430		

nsample	13SOW022CA
samp_date	11/20/2008
lab_id	F21703-018
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	10	U	
AROCLOR-1221	10	U	
AROCLOR-1232	10	U	
AROCLOR-1242	10	U	
AROCLOR-1254	10	U	
AROCLOR-1260	10	U	

PROJ_NO: 01573

SDG: F21703 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOW022CA-DL
samp_date	11/20/2008
lab_id	F21703-018DL
qc_type	NM
units	UG/KG
Pct_Solids	78.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	970		

nsample	13SOW022DA
samp_date	11/20/2008
lab_id	F21703-019
qc_type	NM
units	UG/KG
Pct_Solids	76.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	12	U	
AROCLOR-1221	12	U	
AROCLOR-1232	12	U	
AROCLOR-1242	12	U	
AROCLOR-1254	12	U	
AROCLOR-1260	12	U	

nsample	13SOW022DA-DL
samp_date	11/20/2008
lab_id	F21703-019DL
qc_type	NM
units	UG/KG
Pct_Solids	76.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	1600		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF009A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-001

Sample wt/vol: 15.62 (g/mL) gm

Lab File ID: XB240831.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	3400	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

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Date Printed: 12/15/2008 14:39

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF009A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-001DL

Sample wt/vol: 15.62 (g/mL) gm

Lab File ID: XB250819.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	3600	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF011A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-002

Sample wt/vol: 15.58 (g/mL) gm

Lab File ID: XC100830.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (µL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21	U
11104-28-2	AROCLOR-1221	21	U
11141-16-5	AROCLOR-1232	21	U
53469-21-9	AROCLOR-1242	21	U
12672-29-6	AROCLOR-1248	1300	E
11097-69-1	AROCLOR-1254	21	U
11096-82-5	AROCLOR-1260	21	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF011A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-002DL

Sample wt/vol: 15.58 (g/mL) gm

Lab File ID: XB250820.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	210	U
12672-29-6	AROCLOR-1248	1400	
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF012A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-003

Sample wt/vol: 15.56 (g/mL) gm

Lab File ID: XB240833.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	1100	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF012A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-003DL

Sample wt/vol: 15.56 (g/mL) gm

Lab File ID: XB250821.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	100	U
11104-28-2	AROCLOR-1221	100	U
11141-16-5	AROCLOR-1232	100	U
53469-21-9	AROCLOR-1242	100	U
12672-29-6	AROCLOR-1248	1100	
11097-69-1	AROCLOR-1254	100	U
11096-82-5	AROCLOR-1260	100	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF013A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-004

Sample wt/vol: 15.6 (g/mL) gm

Lab File ID: XB250848.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	13	J
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF014A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-005

Sample wt/vol: 16.12 (g/mL) gm

Lab File ID: XB250849.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	48	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF015A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-006

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: XC100829.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21	U
11104-28-2	AROCLOR-1221	21	U
11141-16-5	AROCLOR-1232	21	U
53469-21-9	AROCLOR-1242	21	U
12672-29-6	AROCLOR-1248	460	E
11097-69-1	AROCLOR-1254	21	U
11096-82-5	AROCLOR-1260	21	U

Comments:

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Date Printed: 12/15/2008 14:39

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF015A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-006DL

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: XB250822.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	210	U
12672-29-6	AROCLOR-1248	490	
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW023A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-007

Sample wt/vol: 15.27 (g/mL) gm

Lab File ID: XB240837.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	1700	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW023A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-007DL

Sample wt/vol: 15.27 (g/mL) gm

Lab File ID: XB250823.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	1700	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW024A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-008

Sample wt/vol: 15.9 (g/mL) gm

Lab File ID: XC100828.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	19	U
11104-28-2	AROCLOR-1221	19	U
11141-16-5	AROCLOR-1232	19	U
53469-21-9	AROCLOR-1242	19	U
12672-29-6	AROCLOR-1248	1700	E
11097-69-1	AROCLOR-1254	19	U
11096-82-5	AROCLOR-1260	19	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW024A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-008DL

Sample wt/vol: 15.9 (g/mL) gm

Lab File ID: XB250824.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	190	U
11104-28-2	AROCLOR-1221	190	U
11141-16-5	AROCLOR-1232	190	U
53469-21-9	AROCLOR-1242	190	U
12672-29-6	AROCLOR-1248	1500	
11097-69-1	AROCLOR-1254	190	U
11096-82-5	AROCLOR-1260	190	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW025A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-009

Sample wt/vol: 15.74 (g/mL) gm

Lab File ID: XB250850.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	110	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW026A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-010

Sample wt/vol: 15.49 (g/mL) gm

Lab File ID: XB240843.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	800	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW026A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-010DL

Sample wt/vol: 15.49 (g/mL) gm

Lab File ID: XB250825.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	770	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW027A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-011

Sample wt/vol: 15.62 (g/mL) gm

Lab File ID: XC100827.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21	U
11104-28-2	AROCLOR-1221	21	U
11141-16-5	AROCLOR-1232	21	U
53469-21-9	AROCLOR-1242	21	U
12672-29-6	AROCLOR-1248	2100	E
11097-69-1	AROCLOR-1254	21	U
11096-82-5	AROCLOR-1260	21	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW027A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-011DL

Sample wt/vol: 15.62 (g/mL) gm

Lab File ID: XB250826.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	210	U
12672-29-6	AROCLOR-1248	2100	
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW028A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-012

Sample wt/vol: 15.8 (g/mL) gm

Lab File ID: XB250851.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	48	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW029A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-013

Sample wt/vol: 15.57 (g/mL) gm

Lab File ID: XB250840.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	67	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF010BA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-014

Sample wt/vol: 16.58 (g/mL) gm

Lab File ID: XC100826.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	20	U
11104-28-2	AROCLOR-1221	20	U
11141-16-5	AROCLOR-1232	20	U
53469-21-9	AROCLOR-1242	20	U
12672-29-6	AROCLOR-1248	3400	E
11097-69-1	AROCLOR-1254	20	U
11096-82-5	AROCLOR-1260	20	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF010BA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-014DL

Sample wt/vol: 16.58 (g/mL) gm

Lab File ID: XC100825.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	200	U
11104-28-2	AROCLOR-1221	200	U
11141-16-5	AROCLOR-1232	200	U
53469-21-9	AROCLOR-1242	200	U
12672-29-6	AROCLOR-1248	3900	
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF010CA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-015

Sample wt/vol: 16.57 (g/mL) gm

Lab File ID: XB250832.d

% Moisture: 31.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	240	U
11104-28-2	AROCLOR-1221	240	U
11141-16-5	AROCLOR-1232	240	U
53469-21-9	AROCLOR-1242	240	U
12672-29-6	AROCLOR-1248	25000	E
11097-69-1	AROCLOR-1254	240	U
11096-82-5	AROCLOR-1260	240	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF010CA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-015DL

Sample wt/vol: 16.57 (g/mL) gm

Lab File ID: XB250831.d

% Moisture: 31.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2400	U
11104-28-2	AROCLOR-1221	2400	U
11141-16-5	AROCLOR-1232	2400	U
53469-21-9	AROCLOR-1242	2400	U
12672-29-6	AROCLOR-1248	25000	
11097-69-1	AROCLOR-1254	2400	U
11096-82-5	AROCLOR-1260	2400	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022AA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-016

Sample wt/vol: 17.88 (g/mL) gm

Lab File ID: XB240849.d

% Moisture: 24.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.9	U
11104-28-2	AROCLOR-1221	9.9	U
11141-16-5	AROCLOR-1232	9.9	U
53469-21-9	AROCLOR-1242	9.9	U
12672-29-6	AROCLOR-1248	3300	E
11097-69-1	AROCLOR-1254	9.9	U
11096-82-5	AROCLOR-1260	9.9	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022AA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-016DL

Sample wt/vol: 17.88 (g/mL) gm

Lab File ID: XB250833.d

% Moisture: 24.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	200	U
11104-28-2	AROCLOR-1221	200	U
11141-16-5	AROCLOR-1232	200	U
53469-21-9	AROCLOR-1242	200	U
12672-29-6	AROCLOR-1248	3300	
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022BA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-017

Sample wt/vol: 16.23 (g/mL) gm

Lab File ID: XB240850.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	470	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022BA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-017DL

Sample wt/vol: 16.23 (g/mL) gm

Lab File ID: XB250834.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	430	
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022CA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-018

Sample wt/vol: 16.84 (g/mL) gm

Lab File ID: XB240851.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	1000	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022CA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-018DL

Sample wt/vol: 16.84 (g/mL) gm

Lab File ID: XB250835.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	210	U
12672-29-6	AROCLOR-1248	970	
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022DA

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-019

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: XB240855.d

% Moisture: 24.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/25/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	1500	E
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW022DA-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21703

Run Sequence: R033020

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21703-019DL

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: XB250836.d

% Moisture: 24.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	230	U
11104-28-2	AROCLOR-1221	230	U
11141-16-5	AROCLOR-1232	230	U
53469-21-9	AROCLOR-1242	230	U
12672-29-6	AROCLOR-1248	1600	
11097-69-1	AROCLOR-1254	230	U
11096-82-5	AROCLOR-1260	230	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

LS#9554 F21703

TETRA TECH NUS, INC. SWMU 13

CHAIN OF CUSTODY | NUMBER 4135 | PAGE 1 OF ____

PROJECT NO: 112G01573	FACILITY: NWSC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412)921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER B. COLLINS	PHONE NUMBER (412)404-2812	ADDRESS 940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER FEDEX / AIRBILL # 8631 2526 5680		CITY, STATE SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: 4deg C 4deg C

TYPE OF ANALYSIS: PCBS SW846-8082 METHOD 8330

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (~~FT~~) INCHES	BOTTOM DEPTH (~~FT~~) INCHES	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBS	METHOD 8330	COMMENTS
1	11/20	1100	13SOCF009A	009A	0	3	SO	C	1	1		
2		1125	13SOCF011A	011A								
3		1140	13SOCF012A	012A								
4		1400	13SOCF013A	013A								
5		1410	13SOCF014A	014A								
6		1420	13SOCF015A	015A								
7		1135	13SOCW023A	023A	NA	NA						
8		1145	13SOCW024A	024A								
9		1150	13SOCW025A	025A								
10		1155	13SOCW026A	026A								
11		1200	13SOCW027A	027A								
12		1430	13SOCW028A	028A								
13		1440	13SOCW029A	029A					3	3		MS/MSD

1. RELINQUISHED BY	DATE 11/21/08	TIME 1230	1. RECEIVED BY	DATE 081/22	TIME 0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

LS#9554 F21703

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4136 | PAGE 1 OF ____

10

PROJECT NO: 112G01573	FACILITY: SWMU 13 NWSC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412) 921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER B. COLLINS	PHONE NUMBER (412) 404-2612	ADDRESS 940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBS SW846-8082	METHOD 8330							COMMENTS
								CONTAINER TYPE PLASTIC (P) or GLASS (G)		G	G							
								PRESERVATIVE USED		4 deg C	4 deg C							
	11/20		~~F010~~					~~G~~										
14	11/20	1130	13SOF010BA	F010	0	3	SO	G	1	1								
15		1130	13SOF010CA	F010	0	3	SO	G	1	1								
16		1120	13SOW022AA	W022	0	3	SO	G	1	1								
17		1120	13SOW022BA	W022	0	3	SO	G	1	1								
18		1120	13SOW022CA	W022	0	3	SO	G	1	1								
19		1120	13SOW022DA	W022	0	3	SO	G	1	1								
20		1730	13SD077	077	NA	NA	SD	G	1	1	1							SEDIMENT SAMPLE FROM BOTTOM OF PRE-SETTLING BASIN
		1730	13SD078	078	NA	NA	SD	G	1	1	1							SEDIMENT FROM BOTTOM OF SETTLING BASIN
		0000	FD11200801	QC	NA	NA	SO	C	1	1								
1		0000	FD11200802	QC	NA	NA	SO	C	1	1								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	11/21/08	1230	1. RECEIVED BY	08/22	0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**APRIL 8, 2009**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB / EXP CTO F271, NSWC CRANE SDG F21704**		
SAMPLES:	2 / Soil / PCB		
	FD11200801	FD11200802	
	2 / Sediment / PCB / EXP		
	13SD078	13SDO77	

OVERVIEW

The sample set for CTO F271, NSWC CRANE, sample delivery group (SDG) F21704 consists of two (2) soil environmental samples and two (2) sediment environmental samples. There were two field duplicate pairs associated with this SDG, 13SOCF013A(SDG F21703) / FD11200801 and 13SOCF009A(SDG F21703) / FD11200802. Four (4) samples were analyzed for polychlorinated biphenyls (PCB) and two (2) samples were analyzed for explosives (EXP).

The samples were collected by TetraTech NUS on November 20 2008 and analyzed by PACE Analytical Services, Inc., Seattle, WA. All analyses were conducted in accordance with USEPA SW 846 Methods 8082A and 8330 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

*	•	Data completeness
*	•	Hold times
*	•	Initial and continuing calibration
*	•	Blank results
	•	Surrogate spike recoveries
	•	Blank Spike/Blank Spike Duplicate Results
*	•	Detection Limits
	•	Field duplicates
	•	Compound Quantitation
*	•	Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The PCB surrogate DCB % recovery reported from primary GC column was less than the quality control limit for sample 13SD078. The positive Aroclor-1248 result was not qualified as it was greater than the calibration limit and was re-analyzed at a 50X dilution with no QC issues. A review of the raw data from the secondary

GC column appeared to have surrogate % recovery QC exceedances. Therefore the non-detected Aroclor results reported were qualified estimated, (UJ), for sample 13SD078.

The RPD was greater than 25% but <100% between the primary and secondary GC columns for Aroclor-1248 for sample FD11200801. The Aroclor-1248 result was qualified estimated, (J).

Sample	Compound	%RPD	Qualifer
FD11200801	Aroclor-1248	29.6	J

The field duplicate RPD for Aroclor-1248 for duplicate pair FD11200801 / 13SOCF013A was greater than the 50% quality control limit. The Aroclor-1248 results for sample FD11200801 and sample 13SOCF013A from SDG F21703 were qualified estimated, (J) and (UJ), respectively.

Explosives

The laboratory control sample % recovery was less than the quality control limit for 2-amino-4,6-dinitrotoluene. The positive and non-detected sample results were qualified estimated, (J) and (UJ), respectively.

The matrix spike (MS)/matrix spike duplicate (MSD) had % recoveries less than the quality control limits for RDX, 1,3,5-trinitrobenzene, 2-amino-4,6-dinitrotoluene, 2,6-dinitrotoluene, 2,4-dinitrotoluene and 1,3-dinitrobenzene for sample 13SD078. The MS had a % recovery less than the quality control limit for HMX for sample 13SD078. The MSD had a % recovery less than 10% for tetryl and the RPD for tetryl for the MS/MSD exceeded the quality control limit for sample 13SD078. The positive and non-detected 13SD078 sample results for the aforementioned compounds, with the exception of HMX and tetryl, were qualified estimated, (J) and (UJ), respectively. The non-detected result for tetryl was qualified as rejected, (UR). The positive result reported for HMX received no qualification as the MSD % recovery and the RPD were within the quality control limits.

The RPD was greater than 25% between the two GC columns for the explosives analysis for sample 13SD078. The RPD result greater than 25% but less than or equal to 100% was qualified estimated, (J) and the RPD result greater than 100% was qualified rejected, (R). The RPD results and qualifiers are listed below.

Sample	Compound	%RPD	Qualifer
13SD078	RDX	102.7	R
	4-amino-2,6-dinitrotoluene	65.5	J

Notes

For the PCB data there was neither CLP type Form VIIIs nor Blank Form IVs with adequate sequence information provided by the laboratory. This resulted in the expenditure of excessive time reviewing raw data for the analytical sequences during the analysis of the laboratory report. The PCB Form IIs did not have % surrogate recovery information for each GC column, primary and secondary. Only a single TCX and DCB result were on the forms. The laboratory was contacted on these issues. The %D was presented for the difference between GC columns by the laboratory instead of RPD, and the RPD was manually calculated.

The laboratory performed dilutions on some of the samples for PCB analysis as indicated below.

Sample	Dilution
13SD077	2X
13SD077-DL	20X

13SD078-DL	50X
FD11200802	2X
FD11200802-DL	20x

The higher result from the two GC columns for EXP compounds was reported.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Several PCB surrogates exceeded the quality control limits. The LCS % recovery quality control limit was exceeded for 2-amino-4,6-dinitrotoluene.

Other Factors Affecting Data Quality: The RPD between GC columns exceeded the 25% quality control limit for sample FD11200801. Field duplicate imprecision was noted for sample pair FD11200801 / 13SOCF013A(SDG F21703) for Aroclor-1248. The MS/MSD % recoveries for several compounds were below the quality control limits for sample 13SD078.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM for Environmental Laboratories."

TetraTech NUS

Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 01573	NSAMPLE	13SD078			13SDO77		
SDG: F21704	LAB_ID	F21704-002			F21704-001		
FRACTION: EXP	SAMP_DATE	11/20/2008			11/20/2008		
MEDIA: SEDIMENT	QC_TYPE	NM			NM		
	UNITS	MG/KG			MG/KG		
	PCT_SOLIDS	59.1			66.2		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,3,5-TRINITROBENZENE		0.33	UJ	D	0.28	U	
1,3-DINITROBENZENE		0.33	UJ	D	0.28	U	
2,4,6-TRINITROTOLUENE		2.6			0.38		
2,4-DINITROTOLUENE		0.33	UJ	D	0.28	U	
2,6-DINITROTOLUENE		0.33	UJ	D	0.28	U	
2-AMINO-4,6-DINITROTOLUENE		1.8	J	DE	0.28	UJ	E
2-NITROTOLUENE		0.33	U		0.28	U	
3-NITROTOLUENE		0.33	U		0.28	U	
4-AMINO-2,6-DINITROTOLUENE		1.8	J	U	0.28	U	
4-NITROTOLUENE		0.33	U		0.28	U	
HMX		2.5			0.28	U	
NITROBENZENE		0.33	U		0.28	U	
RDX		3.2	R	U	0.28	U	
TETRYL		0.33	UR	D	0.28	U	

PROJ_NO: 01573 SDG: F21704 FRACTION: PEST/PCB MEDIA: SEDIMENT	NSAMPLE	13SD078			13SD078-DL			13SDO77			13SDO77-DL		
	LAB_ID	F21704-002			F21704-002DL			F21704-001			F21704-001DL		
	SAMP_DATE	11/20/2008			11/20/2008			11/20/2008			11/20/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	59.0			59.0			66.0			66.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		15	UJ	R				25	U				
AROCLOR-1221		15	UJ	R				25	U				
AROCLOR-1232		15	UJ	R				25	U				
AROCLOR-1242					13000						5500		
AROCLOR-1248		15	UJ	R				25	U				
AROCLOR-1254		15	UJ	R				25	U				
AROCLOR-1260		15	UJ	R				25	U				

PROJ_NO: 01573 SDG: F21704 FRACTION: PEST/PCB MEDIA: SEDIMENT	NSAMPLE	FD11200801			FD11200802			FD11200802-DL		
	LAB_ID	F21704-003			F21704-004			F21704-004DL		
	SAMP_DATE	11/20/2008			11/20/2008			11/20/2008		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	79.0			71.0			71.0		
	DUP_OF	13SOCF013A			13SOCF009A			13SOCF009A		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		24	U				
AROCLOR-1221		11	U		24	U				
AROCLOR-1232		11	U		24	U				
AROCLOR-1242		11	U		24	U				
AROCLOR-1248		86	J	GU				3500		
AROCLOR-1254		11	U		24	U				
AROCLOR-1260		11	U		24	U				

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SD077

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-001

Sample wt/vol: 16.48 (g/mL) gm

Lab File ID: XC100832.d

% Moisture: 34.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	25	U
11104-28-2	AROCLOR-1221	25	U
11141-16-5	AROCLOR-1232	25	U
53469-21-9	AROCLOR-1242	7000	E
12672-29-6	AROCLOR-1248	25	U
11097-69-1	AROCLOR-1254	25	U
11096-82-5	AROCLOR-1260	25	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SDO77-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-001DL

Sample wt/vol: 16.48 (g/mL) gm

Lab File ID: XB250837.d

% Moisture: 34.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	250	U
11104-28-2	AROCLOR-1221	250	U
11141-16-5	AROCLOR-1232	250	U
53469-21-9	AROCLOR-1242	5500	
12672-29-6	AROCLOR-1248	250	U
11097-69-1	AROCLOR-1254	250	U
11096-82-5	AROCLOR-1260	250	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SD078

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-002

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XB240821.d

% Moisture: 41.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/24/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	15	U
11104-28-2	AROCLOR-1221	15	U
11141-16-5	AROCLOR-1232	15	U
53469-21-9	AROCLOR-1242	9800	E
12672-29-6	AROCLOR-1248	15	U
11097-69-1	AROCLOR-1254	15	U
11096-82-5	AROCLOR-1260	15	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SD078-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-002DL

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XB250852.d

% Moisture: 41.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	750	U
11104-28-2	AROCLOR-1221	750	U
11141-16-5	AROCLOR-1232	750	U
53469-21-9	AROCLOR-1242	13000	
12672-29-6	AROCLOR-1248	750	U
11097-69-1	AROCLOR-1254	750	U
11096-82-5	AROCLOR-1260	750	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11200801

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-003

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: XB250839.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	86	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11200802

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-004

Sample wt/vol: 15.66 (g/mL) gm

Lab File ID: XC100831.d

% Moisture: 29.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	24	U
11104-28-2	AROCLOR-1221	24	U
11141-16-5	AROCLOR-1232	24	U
53469-21-9	AROCLOR-1242	24	U
12672-29-6	AROCLOR-1248	4000	E
11097-69-1	AROCLOR-1254	24	U
11096-82-5	AROCLOR-1260	24	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD11200802-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R033451

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-004DL

Sample wt/vol: 15.66 (g/mL) gm

Lab File ID: XB250838.d

% Moisture: 29.0 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) PFEX

Date Extracted: 11/24/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 11/26/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	240	U
11104-28-2	AROCLOR-1221	240	U
11141-16-5	AROCLOR-1232	240	U
53469-21-9	AROCLOR-1242	240	U
12672-29-6	AROCLOR-1248	3500	
11097-69-1	AROCLOR-1254	240	U
11096-82-5	AROCLOR-1260	240	U

Comments:

1

ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SD077

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21704

Run Sequence: R032983

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21704-001

Sample wt/vol: 5.31 (g/mL) gm

Lab File ID: FB240842.D

% Moisture: 33.8 Decanted: (Y/N) N

Date Collected: 11/20/2008

Extraction: (Type) SONC

Date Extracted: 11/24/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 11/25/2008

Injection Volume: 50.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/Kg	Q
2691-41-0	HMX	0.28	U
121-82-4	RDX	0.28	U
99-35-4	1,3,5-Trinitrobenzene	0.28	U
98-95-3	Nitrobenzene	0.28	U
479-45-8	Tetryl	0.28	U
118-96-7	2,4,6-Trinitrotoluene	0.38	
19406-51-0	4-Amino-2,6-dinitrotoluene	0.28	U
35572-78-2	2-Amino-4,6-dinitrotoluene	0.28	U
606-20-2	2,6-Dinitrotoluene	0.28	U
121-14-2	2,4-Dinitrotoluene	0.28	U
88-72-2	2-Nitrotoluene	0.28	U
99-99-0	4-Nitrotoluene	0.28	U
99-08-1	3-Nitrotoluene	0.28	U
99-65-0	1,3-Dinitrobenzene	0.28	U

Comments:

1
ORDNANCE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.
13SD078

Lab Name: Pace Analytical Services, In
Contract: N/A
SDG No.: F21704
Run Sequence: R032983
Matrix: (SOIL/WATER) Soil
Lab Sample ID: F21704-002
Sample wt/vol: 5.18 (g/mL) gm
Lab File ID: FB240843.D
% Moisture: 40.9 Decanted: (Y/N) N
Date Collected: 11/20/2008
Extraction: (Type) SONC
Date Extracted: 11/24/2008
Concentrated Extract Volume: 20000.0(uL)
Date Analyzed: 11/25/2008
Injection Volume: 50.0 (uL)
Dilution Factor: 1.0
GPC Cleanup: (Y/N) N pH:
Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: mg/Kg	Q
2691-41-0	HMX	2.5	
121-82-4	RDX	3.2	P
99-35-4	1,3,5-Trinitrobenzene	0.33	U
98-95-3	Nitrobenzene	0.33	U
479-45-8	Tetryl	0.33	U
118-96-7	2,4,6-Trinitrotoluene	2.6	
19406-51-0	4-Amino-2,6-dinitrotoluene	1.8	P
35572-78-2	2-Amino-4,6-dinitrotoluene	1.7	
606-20-2	2,6-Dinitrotoluene	0.33	U
121-14-2	2,4-Dinitrotoluene	0.33	U
88-72-2	2-Nitrotoluene	0.33	U
99-99-0	4-Nitrotoluene	0.33	U
99-08-1	3-Nitrotoluene	0.33	U
99-65-0	1,3-Dinitrobenzene	0.33	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

CS# 9555 F21704

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 4136 PAGE 1 OF ____

SWMU 13

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NWSC CRANE	S. RUFFING	(412) 921-8989	PACE ANALYTICAL
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		B. COLLINS	(412) 404-2612	940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE
				SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: 4deg C 4deg C

TYPE OF ANALYSIS: PCBs SW846-8082 METHOD 8330

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW846-8082	METHOD 8330							COMMENTS
	11/20		~~F010~~					~~G~~										
14	11/20	1130	13SOF010BA	F010	0	3	SO	G	1	1								
15		1130	13SOF010CA	F010	0	3	SO	G	1	1								
16		1120	13SOW022AA	W022	0	3	SO	G	1	1								
17		1120	13SOW022BA	W022	0	3	SO	G	1	1								
18		1120	13SOW022CA	W022	0	3	SO	G	1	1								
19		1120	13SOW022DA	W022	0	3	SO	G	1	1								
1 20		1730	13SD077	C77	NA	NA	SD	G	1	1	1							SEDIMENT SAMPLE FROM BOTTOM OF PRE-SETTLING BASIN
2		1730	13SD078	C78	NA	NA	SD	G	1	1	1							SEDIMENT FROM BOTTOM OF SETTLING BASIN
3		0000	FD1120080 1	QC	NA	NA	SO	C	1	1								
4		0000	FD1120080 2	QC	NA	NA	SO	C	1	1								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	11/21/08	1230	1. RECEIVED BY	081122	0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**APRIL 27th ,2009**
FROM:	**MEGAN CARSON**		**COPIES: DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21706

SAMPLES: 20/soil/ PCB via 8082:

13SOCW037A	13SOCF018A	13SOCW032A
13SOCF019A	13SOCF020A	13SOCF021A
13SOCF022A	13SOCF026B	13SOCW039A
13SOCW041A	13SOCW042A	13SOCF016B
13SOCF017A	13SOCW030A	13SOCF024A
13SOCF025B	13SOCW033A	13SOC034A
13SOCW036A	FD12050801	

Overview

The sample set for CTO F271; NSWC Crane, SDG F21706 consists of 20 soil environmental samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors. There is one field duplicate pair associated with this SDG: FD12050801 and 13SOCF026B.

The samples were collected by TetraTech NUS on December 3rd, 4th, and 5th, 2008 and analyzed by Pace Analytical. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Methods 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

*	•	Data Completeness
*	•	Holding Times
*	•	Instrument performance and tuning
	•	Initial and Continuing Calibrations
*	•	Laboratory Method Blank Analyses
	•	Surrogate Recoveries
*	•	Laboratory Control Sample Results
	•	Matrix Spike/ Matrix Spike Duplicate Results
*	•	Field Duplicate Results
*	•	Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

Sample 13SOCF020A and the dilution had percent recoveries (%R) below the quality control limit for surrogate decachlorobiphenyl. The sample was re-extracted and the low surrogate recoveries were confirmed to be matrix interference. The original results were used for validation purposes. The positive and non-detect results were qualified as estimated J and UJ, respectively.

Sample 13SOCF024A-DL had percent recovery (%R) higher than the quality control limit for surrogate decachlorobiphenyl. The positive result reported for Aroclor 1242 was qualified as estimated, J.

Sample 13SOCF017A had a percent recovery (%R) below the quality control limit for surrogate decachlorobiphenyl. The sample was re-extracted and the low surrogate recovery was confirmed to be matrix interference. The original results were used for validation purposes. The positive and non-detects were qualified as estimated J and UJ, respectively.

Sample 13SOCF034A had percent recovery (%R) below the quality control limit for surrogate decachlorobiphenyl. A re-extraction was not performed to confirm recovery. All results were qualified as estimates UJ.

Sample 13SOCW033A had a percent difference (%D) between both columns greater than the quality control limit of 25% for Aroclor 1248. The positive result was qualified as estimated (J).

Sample 13SOCW036A-DL had a percent difference (%D) between both columns greater than the quality control limit of 25% for aroclor 1248. The positive result was qualified as estimated (J).

The reanalysis of sample 13SOCW037A had a percent difference (%D) between both columns greater than the quality control limit of 25% for aroclor 1248. The positive result was qualified as estimated (J).

Sample 13SOCW042A had a percent difference (%D) between both columns greater than the quality control limit of 25% for aroclor 1248. The positive result was qualified as estimated (J).

The continuing calibration performed on instrument 6890x on 12/9/08 had a percent difference (%D) greater than 15% for Aroclor 1248 on column CLP1. The samples affected are as follows: 13SOCF018A, 13SOCF019A, and 13SOCF021A. The positive results reported for sample 13SOCF018A was qualified as estimated, J. No validation action was warranted for samples 13SOCF019A and 13SOCF021A as the sample results were non-detected.

The continuing calibration performed on instrument 6890x on 12/10/08 had a percent difference (%D) greater than 15% for Aroclor 1242 on column CLP1. The samples affected are as follows: 13SOCF019A-DL, 13SOCF020A. The positive result reported for 13SOCF019A was qualified as estimated, J.

Notes:

The continuing calibration performed on instrument 6890x on 12/9/08 had a percent difference (%D) greater than 15% for Aroclor 1248 on column CLP1. The samples affected are as follows: 13SOCF026B. No validation action was warranted as the sample result was non-detect.

Sample 13SOCW037A and 13SOCW039A had percent recoveries below the quality control limit for surrogate decachlorobiphenyl. The sample was re-extracted with the surrogate within quality control limits. The reanalyzed samples were chosen for validation purposes.
The matrix spike and matrix spike duplicate for sample 13SOCF019A had the following non-conformances: A high %R for aroclor 1016, and a high relative percent difference (RPD) for aroclor 1016. No validation actions were warranted as the sample results for Aroclor 1016 was non-detected.

Sample 13SOF021A had a percent recovery below the quality control limit for surrogate decachlorobiphenyl. The sample was re-extracted with the surrogate within quality control limits. The reanalyzed sample was chosen for validation purposes.

This SGD had multiple samples with dilutions. They are as follows:

Sample	Dilution Factor	Compound diluted
13SOCF017ARX-DL	2X	Aroclor 1248
13SOCF019A-DL	10X	Aroclor 1242
13SOCF020A-DL	10X	Aroclor 1248
13SOCF020ARX-DL	20X	Aroclor 1248
13SOCW021A-DL	50X	Aroclor 1242
13SOCW021ARX-DL	1000X	Aroclor 1242
13SOCW024A-DL	10X	Aroclor 1242
13SOCW036A-DL	4X	Aroclor 1248
13SOCW041A-DL	10X	Aroclor 1248

The field duplicate pair FD12050801 and 13SOCF026B were found to be within quality control limits.

Executive Summary

Laboratory Performance: Several continuing calibrations were >15%.

Other Factors Affecting Data Quality: Several surrogate recoveries were outside the quality control limits. Several %Ds between columns were >25%

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Peri Solomon for

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573 SDG: F21706 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF016B			13SOCF017A			13SOCF018A			13SOCF019A		
	LAB_ID	F21706-012			F21706-013			F21706-002			F21706-004		
	SAMP_DATE	12/3/2008			12/3/2008			12/4/2008			12/4/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			79.0			77.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		11	UJ	R	11	U		11	U	
AROCLOR-1221		11	U		11	UJ	R	11	U		11	U	
AROCLOR-1232		11	U		11	UJ	R	11	U		11	U	
AROCLOR-1242		11	U		11	UJ	R	11	U				
AROCLOR-1248		27			190	J	R	160	J	C	11	U	
AROCLOR-1254		11	U		11	UJ	R	11	U		11	U	
AROCLOR-1260		11	U		11	UJ	R	11	U		11	U	

PROJ_NO: 01573	NSAMPLE	13SOCF019A-DL			13SOCF020A			13SOCF020A-DL			13SOCF021ARX		
SDG: F21706	LAB_ID	F21706-004DL			F21706-005			F21706-005DL			F21706-006RX		
FRACTION: PEST/PCB	SAMP_DATE	12/4/2008			12/4/2008			12/4/2008			12/4/2008		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			79.0			79.0			82.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					11	UJ	R				540	U	
AROCLOR-1221					11	UJ	R				540	U	
AROCLOR-1232					11	UJ	R				540	U	
AROCLOR-1242		2200	J	C	11	UJ	R						
AROCLOR-1248								1500	J	R	540	U	
AROCLOR-1254					11	UJ	R				540	U	
AROCLOR-1260					11	UJ	R				540	U	

PROJ_NO: 01573 SDG: F21706 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF021ARX-DL			13SOCF022A			13SOCF024A			13SOCF024A-DL		
	LAB_ID	F21706-006RXDL			F21706-007			F21706-015			F21706-015DL		
	SAMP_DATE	12/4/2008			12/4/2008			12/4/2008			12/4/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			80.0			84.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					11	U		10	U				
AROCLOR-1221					11	U		10	U				
AROCLOR-1232					11	U		10	U				
AROCLOR-1242		180000			11	U					14000	J	R
AROCLOR-1248					230			10	U				
AROCLOR-1254					11	U		10	U				
AROCLOR-1260					11	U		10	U				

PROJ_NO: 01573 SDG: F21706 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF025B			13SOCF026B			13SOCW030A			13SOCW032A		
	LAB_ID	F21706-016			F21706-008			F21706-014			F21706-003		
	SAMP_DATE	12/4/2008			12/5/2008			12/3/2008			12/3/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			85.0			78.0			77.0		
	DUP_OF				13SOCF026B								
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		11	U		11	U		12	U	
AROCLOR-1221		11	U		11	U		11	U		12	U	
AROCLOR-1232		11	U		11	U		11	U		12	U	
AROCLOR-1242		56			11	U		11	U		12	U	
AROCLOR-1248		11	U		11	U		11	U		12	U	
AROCLOR-1254		11	U		11	U		11	U		12	U	
AROCLOR-1260		11	U		11	U		11	U		12	U	

PROJ_NO: 01573 SDG: F21706 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW033A			13SOCW034A			13SOCW036A			13SOCW036A-DL		
	LAB_ID	F21706-017			F21706-018			F21706-019			F21706-019DL		
	SAMP_DATE	12/4/2008			12/4/2008			12/4/2008			12/4/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			81.0			81.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		10	U		11	UJ	R	11	U				
AROCLOR-1221		10	U		11	UJ	R	11	U				
AROCLOR-1232		10	U		11	UJ	R	11	U				
AROCLOR-1242		10	U		11	UJ	R	11	U				
AROCLOR-1248		28	J	U	11	UJ	R				200	J	U
AROCLOR-1254		10	U		11	UJ	R	11	U				
AROCLOR-1260		10	U		11	UJ	R	11	U				

PROJ_NO: 01573 SDG: F21706 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW037ARX			13SOCW039ARX			13SOCW041A			13SOCW041A-DL		
	LAB_ID	F21706-001RX			F21706-009RX			F21706-010			F21706-010DL		
	SAMP_DATE	12/4/2008			12/5/2008			12/5/2008			12/5/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	80.0			83.0			82.0			82.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		11	U		11	U				
AROCLOR-1221		11	U		11	U		11	U				
AROCLOR-1232		11	U		11	U		11	U				
AROCLOR-1242		11	U		11	U		11	U				
AROCLOR-1248		100	J	U	11	U					900		
AROCLOR-1254		11	U		11	U		11	U				
AROCLOR-1260		11	U		11	U		11	U				

PROJ_NO: 01573	NSAMPLE	13SOCW042A			FD12050801		
SDG: F21706	LAB_ID	F21706-011			F21706-020		
FRACTION: PEST/PCB	SAMP_DATE	12/5/2008			12/5/2008		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	84.0			85.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		10	U	
AROCLOR-1221		11	U		10	U	
AROCLOR-1232		11	U		10	U	
AROCLOR-1242		11	U		10	U	
AROCLOR-1248		12	J	U	10	U	
AROCLOR-1254		11	U		10	U	
AROCLOR-1260		11	U		10	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF016B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-012

Sample wt/vol: 15.17 (g/mL) gm

Lab File ID: XC090853.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	27	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF016B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-012 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.25			19.7395		
	2	9.71			54.6952		
	3	10.67			19.4135		
	4	11.05			20.913		
	5	11.44			19.5354	26.859	
Column 2	1	8.92			18.2023		
	2	9.28			21.293		
	3	9.44			30.9078		
	4	9.85			31.5724		
	5	10.15			30.9802	26.591	1.01

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF017A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-013

Sample wt/vol: 15.33 (g/mL) gm

Lab File ID: XC090854.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	190	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF017A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-013 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			133.247		
	2	9.7			281.889		
	3	10.65			123.736		
	4	11.03			189.208		
	5	11.41			193.513	184.319	
Column 2	1	8.92			116.416		
	2	9.27			133.825		
	3	9.44			202.015		
	4	9.84			259.58		
	5	10.14			243.325	191.032	3.64

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF017ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-013RX

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XC160823.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	380	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF017ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-013RX Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			264.861		
	2	9.7			564.294		
	3	10.65			227.865		
	4	11.03			344.582		
	5	11.42			349.563	350.233	
Column 2	1	8.91			221.72		
	2	9.27			259.782		
	3	9.43			400.335		
	4	9.83			522.587		
	5	10.14			486.243	378.133	7.97

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF017ARX-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-013RXDL

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XC170806.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/17/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	23	U
11104-28-2	AROCLOR-1221	23	U
11141-16-5	AROCLOR-1232	23	U
53469-21-9	AROCLOR-1242	23	U
12672-29-6	AROCLOR-1248	400	
11097-69-1	AROCLOR-1254	23	U
11096-82-5	AROCLOR-1260	23	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF017ARX-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-013RXDL Date Analyzed: 12/17/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			273.582		
	2	9.7			524.456		
	3	10.65			240.107		
	4	11.03			356.823		
	5	11.41			361.823	351.358	
Column 2	1	8.91			242.046		
	2	9.27			280.805		
	3	9.43			426.301		
	4	9.83			534.504		
	5	10.13			492.354	395.202	12.48

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF018A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-002

Sample wt/vol: 15.85 (g/mL) gm

Lab File ID: XC090840.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	160	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF018A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-002 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.25			100.022		
	2	9.71			214.565		
	3	10.66			111.361		
	4	11.04			169.657		
	5	11.42			203.083	159.738	
Column 2	1	8.92			74.1588		
	2	9.28			102.66		
	3	9.44			128.973		
	4	9.85			220.894		
	5	10.15			239.278	153.193	4.27

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF019A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-004

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: XC090842.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	2100	E
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF019A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-004 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			2365.82		
	2	8.97			1738.01		
	3	9.36			2134.62		
	4	9.82			1786.18		
	5	10.13			2710.17	2146.96	
Column 2	1	8.13			1423.62		
	2	8.47			2045.14		
	3	9.27			1796.39		
	4	9.78			1613		
	5	9.84			2636.95	1903.02	12.82

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF019A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-004DL

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: XC100838.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	2200	
12672-29-6	AROCLOR-1248	110	U
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF019A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-004DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			2394.71		
	2	8.97			1943.18		
	3	9.36			2231.02		
	4	9.81			1768.05		
	5	10.12			2756.31	2218.654	
Column 2	1	8.12			1641.31		
	2	8.47			2246.85		
	3	9.27			1987.37		
	4	9.77			1656.77		
	5	9.84			2729.62	2052.384	8.1

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF020A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-005

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: XC090843.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	1600	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF020A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-005 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.26			887.413		
	2	9.72			1493.94		
	3	10.68			1294.29		
	4	11.06			1974.29		
	5	11.46			2282.41	1586.469	
Column 2	1	8.93			680.347		
	2	9.29			865.684		
	3	9.45			886.032		
	4	9.86			2069.34		
	5	10.16			2020.67	1304.415	21.62

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF020A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-005DL

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: XC100839.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	1500	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF020A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-005DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			928.215		
	2	9.7			1379.8		
	3	10.65			1262.23		
	4	11.03			1843.23		
	5	11.41			2158.57	1514.409	
Column 2	1	8.91			764.549		
	2	9.27			926.158		
	3	9.43			941.162		
	4	9.83			2093.61		
	5	10.14			2004.85	1346.066	12.51

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF020ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-005RX

Sample wt/vol: 15.05 (g/mL) gm

Lab File ID: XC160829.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	3000	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF020ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-005RX Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			2105.91		
	2	9.71			4124.73		
	3	10.67			3358.32		
	4	11.05			5485.44		
	5	11.44			6469.57	4308.794	
Column 2	1	8.92			1685.61		
	2	9.27			2046.05		
	3	9.44			2048.54		
	4	9.84			4697.15		
	5	10.15			4770.42	3049.554	41.29

At least three peaks for each column are required for identification of multicomponent analytes.

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF020ARX-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-005RXDL

Sample wt/vol: 15.05 (g/mL) gm

Lab File ID: XC170807.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/17/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	230	U
11104-28-2	AROCLOR-1221	230	U
11141-16-5	AROCLOR-1232	230	U
53469-21-9	AROCLOR-1242	230	U
12672-29-6	AROCLOR-1248	4000	
11097-69-1	AROCLOR-1254	230	U
11096-82-5	AROCLOR-1260	230	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF020ARX-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-005RXDL Date Analyzed: 12/17/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			2274.93		
	2	9.7			3872.05		
	3	10.66			3283.9		
	4	11.04			5036.58		
	5	11.43			5584.23	4010.338	
Column 2	1	8.91			2039.93		
	2	9.27			2382.68		
	3	9.43			2331.24		
	4	9.84			5882.18		
	5	10.14			5364.71	3600.148	11.39

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF021A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-006

Sample wt/vol: 15.15 (g/mL) gm

Lab File ID: XC090844.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	7900	E
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF021A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-006 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			5888.68		
	2	8.97			7368.65		
	3	9.37			9930.63		
	4	9.82			5843.16		
	5	10.13			10371	7880.424	
Column 2	1	8.17			530.828		
	2	8.47			4962.55		
	3	9.28			7083.51		
	4	9.79			5122.27		
	5	9.85			8241.84	5188.2	51.89

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF021A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-006DL

Sample wt/vol: 15.15 (g/mL) gm

Lab File ID: XC100840.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	540	U
11104-28-2	AROCLOR-1221	540	U
11141-16-5	AROCLOR-1232	540	U
53469-21-9	AROCLOR-1242	8300	
12672-29-6	AROCLOR-1248	540	U
11097-69-1	AROCLOR-1254	540	U
11096-82-5	AROCLOR-1260	540	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF021A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-006DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			6269.51		
	2	8.96			8769.51		
	3	9.36			10749.9		
	4	9.81			5521.02		
	5	10.13			10194.6	8300.908	
Column 2	1	8.13			9127.62		
	2	8.47			6110.85		
	3	9.27			8747.87		
	4	9.78			5235.5		
	5	9.84			9104.63	7665.294	8.29

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF021ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-006RX

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XC160826.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	540	U
11104-28-2	AROCLOR-1221	540	U
11141-16-5	AROCLOR-1232	540	U
53469-21-9	AROCLOR-1242	180000	E
12672-29-6	AROCLOR-1248	540	U
11097-69-1	AROCLOR-1254	540	U
11096-82-5	AROCLOR-1260	540	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF021ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-006RX Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			209604		
	2	8.96			146123		
	3	9.36			188343		
	4	9.81			164732		
	5	10.12			205979	182956.2	
Column 2	1	8.16			22988.5		
	2	8.46			176399		
	3	9.27			146929		
	4	9.77			147029		
	5	9.83			178535	134376.1	36.15

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF021ARX-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-006RXDL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XC170808.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/17/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11000	U
11104-28-2	AROCLOR-1221	11000	U
11141-16-5	AROCLOR-1232	11000	U
53469-21-9	AROCLOR-1242	180000	
12672-29-6	AROCLOR-1248	11000	U
11097-69-1	AROCLOR-1254	11000	U
11096-82-5	AROCLOR-1260	11000	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF021ARX-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-006RXDL Date Analyzed: 12/17/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			214324		
	2	8.96			164410		
	3	9.35			189768		
	4	9.81			149678		
	5	10.12			194662	182568.4	
Column 2	1	8.16			33405.4		
	2	8.46			206759		
	3	9.27			165920		
	4	9.77			146334		
	5	9.83			183484	147180.4	24.04

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF022A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-007

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XC100841.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	230	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF022A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-007 Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			165.203		
	2	9.7			293.702		
	3	10.65			152.27		
	4	11.02			224.568		
	5	11.41			258.866	218.922	
Column 2	1	8.91			108.28		
	2	9.27			170.135		
	3	9.43			229.093		
	4	9.84			286.01		
	5	10.14			375.462	233.796	6.79

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF024A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-015

Sample wt/vol: 15.53 (g/mL) gm

Lab File ID: XC090856.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	11000	E
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF024A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-015 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			9709.35		
	2	8.97			8591.49		
	3	9.36			12260.7		
	4	9.82			9114.93		
	5	10.13			14593.5	10853.99	
Column 2	1	8.13			7432.33		
	2	8.47			7979.33		
	3	9.28			8260.62		
	4	9.78			7754.74		
	5	9.84			11593	8604.004	26.15

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF024A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-015DL

Sample wt/vol: 15.53 (g/mL) gm

Lab File ID: XC100845.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	1000	U
11104-28-2	AROCLOR-1221	1000	U
11141-16-5	AROCLOR-1232	1000	U
53469-21-9	AROCLOR-1242	14000	
12672-29-6	AROCLOR-1248	1000	U
11097-69-1	AROCLOR-1254	1000	U
11096-82-5	AROCLOR-1260	1000	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF024A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-015DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			13983.8		
	2	8.96			12523.6		
	3	9.36			16427.4		
	4	9.82			10573.5		
	5	10.13			18344.2	14370.5	
Column 2	1	8.12			10551.6		
	2	8.47			13335.4		
	3	9.27			12573.6		
	4	9.78			10155.5		
	5	9.84			16706.3	12664.48	13.47

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF025B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-016

Sample wt/vol: 15.59 (g/mL) gm

Lab File ID: XC090857.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	56	
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF025B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-016 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			50.2752		
	2	8.98			93.6432		
	3	9.36			47.4174		
	4	9.82			37.7556		
	5	10.13			52.2559	56.269	
Column 2	1	8.13			46.6953		
	2	8.47			48.5262		
	3	9.28			47.6838		
	4	9.78			42.1354		
	5	9.85			52.9025	47.589	18.24

At least three peaks for each column are required for identification of multicomoonent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF026B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-008

Sample wt/vol: 15.05 (g/mL) gm

Lab File ID: XC090846.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW030A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-014

Sample wt/vol: 15.64 (g/mL) gm

Lab File ID: XC090855.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW032A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-003

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: XC100837.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	12	U
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW033A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-017

Sample wt/vol: 15.58 (g/mL) gm

Lab File ID: XC090858.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	28	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW033A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-017 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			28.1814		
	2	9.7			31.0748		
	3	10.66			10.0755		
	4	11.03			13.445		
	5	11.41			19.8992	19.794	
Column 2	1	8.92			24.2555		
	2	9.27			30.3201		
	3	9.44			42.3701		
	4	9.84			21.9364		
	5	10.14			21.0398	27.984	41.38

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW034A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-018

Sample wt/vol: 15.22 (g/mL) gm

Lab File ID: XC090859.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW036A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-019

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: XC100807.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	190	EP
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW036A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-019 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.25			75.3488		
	2	9.71			375.043		
	3	10.66			166.738		
	4	11.04			441.404		
	5	11.42			510.927	313.892	
Column 2	1	8.92			69.6544		
	2	9.28			77.1015		
	3	9.44			112.656		
	4	9.85			357.558		
	5	10.14			354.784	194.351	61.51

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW036A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-019DL

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: XC100853.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	42	U
12672-29-6	AROCLOR-1248	200	P
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	42	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW036A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-019DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			81.7042		
	2	9.7			370.684		
	3	10.66			175.262		
	4	11.04			450.741		
	5	11.42			507.235	317.125	
Column 2	1	8.91			82.7768		
	2	9.28			89.7684		
	3	9.44			128.98		
	4	9.84			359.822		
	5	10.14			357.596	203.789	55.61

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW037A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-001

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: XC100836.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	22	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW037A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-001 Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			11.0728		
	2	9.71			29.9475		
	3	10.66			11.0728		
	4	11.04			29.5534		
	5	11.43			32.4679	22.289	
Column 2	1	8.92			11.0728		
	2	9.28			11.0728		
	3	9.44			14.0591		
	4	9.85			30.2998		
	5	10.14			27.443	18.122	23

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW037ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-001RX

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XC160821.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	100	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW037ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033476 SDG No.: F21706

Lab Sample ID: F21706-001RX Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			28.959		
	2	9.7			145.464		
	3	10.66			39.6526		
	4	11.03			143.803		
	5	11.42			151.79	101.934	
Column 2	1	8.91			26.4021		
	2	9.27			32.1262		
	3	9.44			49.588		
	4	9.84			125.058		
	5	10.13			118.565	70.348	44.9

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 16:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW039A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-009

Sample wt/vol: 15.81 (g/mL) gm

Lab File ID: XC090850.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW039ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033476

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-009RX

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: XC160822.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/15/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW041A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-010

Sample wt/vol: 15.34 (g/mL) gm

Lab File ID: XC090851.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	840	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW041A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-010 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			542.035		
	2	9.7			1361.8		
	3	10.66			493.102		
	4	11.04			785.961		
	5	11.43			839.685	804.517	
Column 2	1	8.92			383.043		
	2	9.27			542.105		
	3	9.44			769.152		
	4	9.84			1155.32		
	5	10.14			1375.05	844.934	5.02

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW041A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-010DL

Sample wt/vol: 15.34 (g/mL) gm

Lab File ID: XC100842.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	900	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW041A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-010DL Date Analyzed: 12/11/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			586.887		
	2	9.7			1312.9		
	3	10.66			505.213		
	4	11.04			756.128		
	5	11.42			841.34	800.494	
Column 2	1	8.92			467.08		
	2	9.28			613.978		
	3	9.44			856.306		
	4	9.84			1197.75		
	5	10.14			1363.46	899.715	12.4

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW042A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-011

Sample wt/vol: 15.09 (g/mL) gm

Lab File ID: XC090852.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	12	J
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW042A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033349 SDG No.: F21706

Lab Sample ID: F21706-011 Date Analyzed: 12/10/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			10.6504		
	2	9.7			12.4345		
	3	10.65			12.9313		
	4	11.03			11.195		
	5	11.42			17.8789	12.325	
Column 2	1	8.92			10.6504		
	2	9.27			10.6504		
	3	9.44			10.6504		
	4	9.84			10.9152		
	5	10.14			15.1912	9.294	32.61

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD12050801

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21706

Run Sequence: R033349

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21706-020

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: XC100806.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 12/05/2008

Extraction: (Type) PFEX

Date Extracted: 12/08/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

F21706

TETRA TECH NUS, INC. LS# 9686 **CHAIN OF CUSTODY** | NUMBER 4138 | PAGE 1 OF 3

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC Crane	S. Ruffing	412 921 8989	Paco Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		J. Gould	412 921 8425	940 South Harney
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex/8631 2526 5532		Seattle WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs SW846-8082

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	COMMENTS
12/3	1600	13WP001	001	NA	NA	~~SO~~ WP	G	1	
	1603	13WP002	002			WP		1	
	1608	13WP003	003			WP		1	
	1614	13WP004	004			WP		1	
	1619	13WP005	005			WP		1	
	1623	13WP006	006			WP		1	
	1628	13WP007	007			WP		1	
	1634	13WP008	008			WP		1	
	1641	13WP009	009			WP		1	
12/4	1456	13SOCW037A	037	0	2	SO	C	1	
12/4	1400	13SOCF018A	018	0	2	SO		1	
12/3	1512	13SOCW032A	032	0	2	SO		1	
12/4	1403	13SOCF019A	019	0	2	SO		3	MS/MSD

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	12-6-08	1100	1. RECEIVED BY	12/8/08	915
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS: WP = wipe sample

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

F21706

TETRA TECH NUS, INC. LSH 9686 CHAIN OF CUSTODY | NUMBER 4139 | PAGE 2 OF 3

PROJECT NO: 112G01573	FACILITY: NSWSCRAM	PROJECT MANAGER S. Ruffing	PHONE NUMBER 4129218989	LABORATORY NAME AND CONTACT: Pace Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. Goerdt	PHONE NUMBER 4129218425	ADDRESS 940 South Harney
		CARRIER/WAYBILL NUMBER Fed Ex/8631252655 32		CITY, STATE Seattle WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs SW 846 8082	COMMENTS
5	12/4	1405	1350CF020A	020	0	2	SO	C	1		
6	12/4	1410	1350CF021A	021	0	2			1		
7	12/4	1418	1350CF022A	022	0	2			1		
8	12/5	1130	1350CF026B	026	2	4			1		
9	12/5	1120	1350CW039A	039	0	2			1		
10	12/5	1125	1350CW041A	041	0	2			1		
11	12/5	1128	1350CW042A	042	0	2			1		
12	12/3	1540	1350CF016B	016	2	4			1		
13	12/3	1532	1350CF017A	017	0	2			1		
14	12/3	1500	1350CW030A	030	0	2			1		
15	12/4	1424	1350CF024A	024	0	2			1		
16	12/4	1432	1350CF025B	025	2	4			1		
17	12/4	1438	1350CW033A	033	0	2			1		

1. RELINQUISHED BY	DATE 12-6-08	TIME 1100	1. RECEIVED BY	DATE 12/8/08	TIME 915
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

F21706

TETRA TECH NUS, INC. LSH9686 CHAIN OF CUSTODY | NUMBER 4140 | PAGE 3 OF 3

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PROJECT NO: 112G01573	FACILITY: NSWC Crane	PROJECT MANAGER S. Ruffing	PHONE NUMBER 4129218989	LABORATORY NAME AND CONTACT: Pace Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. Goerdt	PHONE NUMBER 4129218925	ADDRESS 940 South Harney
		CARRIER/WAYBILL NUMBER Fed Ex/863125265532		CITY, STATE Seattle WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4oC

TYPE OF ANALYSIS: PCB 8082 / SW 846

	DATE YEAR	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	COMMENTS
18	12/4	1440	1350CW034A	034	0	2	SO	C	1	
19	12/4	1450	1350CW036A	036	0	2	↓	↓	1	
20	12/5	0000	FD12050801	QC	0	0	↓	↓	1	

1. RELINQUISHED BY	DATE 12/6/08	TIME 1100	1. RECEIVED BY	DATE 12/8/08	TIME 915
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**April 29, 2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21705

SAMPLES: 9/wipe/PCB via 8082:

13WP009	13WP008	13WP007	13WP006
13WP005	13WP004	13WP003	13WP002
13WP001			

Overview

The sample set for CTO F271; NSWC Crane, SDG F21705 consists of 9 wipe samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors.

The samples were collected by TetraTech NUS on 12/3/2008 and analyzed by PACE Analytical Services Inc. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Instrument performance and tuning
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
* • Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

Sample 13WP003 was diluted at a 4x to bring Aroclor-1242 within calibration range of the instrument. This sample was used to validate Aroclor-1242.

Sample 13WP003 had a percent difference between columns greater than the quality control limit of 25% for Arcolor 1242. The positive result for this compound was qualified as estimated, J.

Notes:
Sample 13WP001 had a discrepancy in sample time. The time used for analysis was from the chain for custody.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: The %D between columns was >25% for sample 13WP003 for Aroclor 1242.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

for

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573	NSAMPLE	13WP001			13WP002			13WP003			13WP003-DL		
SDG: F21705	LAB_ID	F21705-001			F21705-002			F21705-003			F21705-003DL		
FRACTION: PEST/PCB	SAMP_DATE	12/3/2008			12/3/2008			12/3/2008			12/3/2008		
MEDIA: WIPE	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/WI			UG/WI			UG/WI			UG/WI		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.5	U		0.5	U		0.5	U				
AROCLOR-1221		0.5	U		0.5	U		0.5	U				
AROCLOR-1232		0.5	U		0.5	U		0.5	U				
AROCLOR-1242		0.5	U		0.5	U					50	J	U
AROCLOR-1248		0.5	U		0.5	U		0.5	U				
AROCLOR-1254		0.5	U		0.5	U		0.5	U				
AROCLOR-1260		0.5	U		0.5	U		0.5	U				

PROJ_NO: 01573	NSAMPLE	13WP004			13WP005			13WP006			13WP007		
SDG: F21705	LAB_ID	F21705-004			F21705-005			F21705-006			F21705-007		
FRACTION: PEST/PCB	SAMP_DATE	12/3/2008			12/3/2008			12/3/2008			12/3/2008		
MEDIA: WIPE	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/WI			UG/WI			UG/WI			UG/WI		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1221		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1232		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1242		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1248		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1254		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1260		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 01573	NSAMPLE	13WP008			13WP009		
SDG: F21705	LAB_ID	F21705-008			F21705-009		
FRACTION: PEST/PCB	SAMP_DATE	12/3/2008			12/3/2008		
MEDIA: WIPE	QC_TYPE	NM			NM		
	UNITS	UG/WI			UG/WI		
	PCT_SOLIDS						
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.5	U		0.5	U	
AROCLOR-1221		0.5	U		0.5	U	
AROCLOR-1232		0.5	U		0.5	U	
AROCLOR-1242		0.5	U		0.5	U	
AROCLOR-1248		0.5	U		0.5	U	
AROCLOR-1254		0.5	U		0.5	U	
AROCLOR-1260		0.5	U		0.5	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP001

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-001

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100810.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP002

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-002

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100811.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

8082A

Date Printed: 12/30/2008 14:09

FORM SUMARO6

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP003

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-003

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC160828.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	56	E
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

8082A

Date Printed: 12/30/2008 14:09

FORM SUMARY

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13WP003

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033350 SDG No.: F21705

Lab Sample ID: F21705-003 Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.48			34.7142		
	2	8.96			38.3009		
	3	9.36			53.8154		
	4	9.81			63.2		
	5	10.12			90.4319	56.092	
Column 2	1	8.17			9.22617		
	2	8.46			31.3557		
	3	9.27			41.7574		
	4	9.77			56.4457		
	5	9.83			78.4325	43.443	29.12

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 14:10

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP003-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-003DL

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC160827.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/16/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	2.0	U
11104-28-2	AROCLOR-1221	2.0	U
11141-16-5	AROCLOR-1232	2.0	U
53469-21-9	AROCLOR-1242	50	
12672-29-6	AROCLOR-1248	2.0	U
11097-69-1	AROCLOR-1254	2.0	U
11096-82-5	AROCLOR-1260	2.0	U

Comments:

8082A

Date Printed: 12/30/2008 14:09

FORM SUMARO

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13WP003-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033350 SDG No.: F21705

Lab Sample ID: F21705-003DL Date Analyzed: 12/16/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.49			36		
	2	8.96			38.1439		
	3	9.35			48.766		
	4	9.81			53.4836		
	5	10.12			77.7436	49.783	
Column 2	1	8.16			36		
	2	8.46			36		
	3	9.27			39.1349		
	4	9.77			50.192		
	5	9.83			69.0768	39.454	26.18

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/30/2008 14:10

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP004

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-004

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100813.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

8082A

Date Printed: 12/30/2008 14:09

FORM 1 SUMMARY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP005

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-005

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100817.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/10/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP006

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-006

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100818.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP007

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-007

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100819.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP008

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-008

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100820.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP009

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21705

Run Sequence: R033350

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21705-009

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: XC100821.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 12/03/2008

Extraction: (Type) CONT

Date Extracted: 12/09/2008

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 12/11/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

F21705

TETRA TECH NUS, INC. LS#9685 CHAIN OF CUSTODY | NUMBER 4138 | PAGE 1 OF 3

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC Crane	S. Ruffing	4129218989	Pace Analytical
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		J. Gould	4129218425	940 South Harney
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex/863125265532		Seattle WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: R233 SW8260-8082

	DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	COMMENTS
1	12/3	1600	13WP001	001	NA	NA	~~SO~~ WP	G	1	
2		1603	13WP002	002			WP		1	
3		1608	13WP003	003			WP		1	
4		1614	13WP004	004			WP		1	
5		1619	13WP005	005			WP		1	
6		1623	13WP006	006			WP		1	
7		1628	13WP007	007			WP		1	
8		1634	13WP008	008			WP		1	
9		1641	13WP009	009			WP		1	
	12/4	1456	1350CW037A	037	0	2	SO	C	1	
	12/4	1400	1350CF018A	018	0	2	SO		1	
	12/3	1512	1350CW032A	032	0	2	SO		1	
	12/4	1403	1350CF019A	019	0	2	SO		3	MS/MSD

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	12-6-08	1100	1. RECEIVED BY	12/8/08	915
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS: WP = wipe sample

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**APRIL 27th ,2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21708

SAMPLES: **1/soil/PCB via 8082:**
13SOCF023A

Overview:

The sample set for CTO F271; NSWC Crane, SDG F21708 consists of one soil environmental sample. The sample was analyzed for Polychlorinated Biphenyl Aroclors.

The sample was collected by Tetra Tech NUS on 12/4/08 and analyzed by PACE Analytical. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

*	• Data Completeness
*	• Holding Times
*	• Instrument performance and tuning
	• Initial and Continuing Calibrations
*	• Laboratory Method Blank Analyses
	• Surrogate Recoveries
*	• Laboratory Control Sample Results
*	• Matrix Spike/ Matrix Spike Duplicate Results
*	• Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

Sample 13SOCF023A had a positive result for Aroclor 1242. The percent difference between both columns for this compound was greater then quality control limit of 25%. The positive result was qualified with a J.

Notes:

Sample 13SOCF023A analyzed at a 100x to attempt to bring Aroclor-1242 within calibration range. The sample was reanalyzed at 2000x to bring Aroclor-1242 within calibration range. This analysis was used to evaluate the positive results for Aroclor-1242.

Sample 13SOCF023A-DL had zero percent recovery (%R) for all surrogates. Results were not qualified because the low %R is due to sample dilution (2000x).

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: The %D between columns was .25% for Aroclor 1242 for sample 13SOCF023A.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Helen Solomon for

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573	NSAMPLE	13SOCF023A			13SOCF023A-DL		
SDG: F21708	LAB_ID	F21708-001			F21708-001DL		
FRACTION: PEST/PCB	SAMP_DATE	12/4/2008			12/4/2008		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	83.0			83.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		1100	U				
AROCLOR-1221		1100	U				
AROCLOR-1232		1100	U				
AROCLOR-1242					610000	J	U
AROCLOR-1248		1100	U				
AROCLOR-1254		1100	U				
AROCLOR-1260		1100	U				

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF023A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21708

Run Sequence: R033520

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21708-001

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: XC170811.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/16/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/17/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	1100	U
11104-28-2	AROCLOR-1221	1100	U
11141-16-5	AROCLOR-1232	1100	U
53469-21-9	AROCLOR-1242	590000	E
12672-29-6	AROCLOR-1248	1100	U
11097-69-1	AROCLOR-1254	1100	U
11096-82-5	AROCLOR-1260	1100	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF023A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033520 SDG No.: F21708

Lab Sample ID: F21708-001 Date Analyzed: 12/17/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.48			681487		
	2	8.96			463965		
	3	9.35			581414		
	4	9.81			564271		
	5	10.12			653463	588920	
Column 2	1	8.2			14376.3		
	2	8.46			571282		
	3	9.26			423058		
	4	9.77			497787		
	5	9.83			575058	416312.2	41.46

At least three peaks for each column are required for identification of multicomoonent analytes.

Date Printed: 1/3/2009 6:53

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF023A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21708

Run Sequence: R033520

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21708-001DL

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: XC170816.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/04/2008

Extraction: (Type) PFEX

Date Extracted: 12/16/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/17/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21000	U
11104-28-2	AROCLOR-1221	21000	U
11141-16-5	AROCLOR-1232	21000	U
53469-21-9	AROCLOR-1242	610000	
12672-29-6	AROCLOR-1248	21000	U
11097-69-1	AROCLOR-1254	21000	U
11096-82-5	AROCLOR-1260	21000	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF023A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033520 SDG No.: F21708

Lab Sample ID: F21708-001DL Date Analyzed: 12/17/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.48			785304		
	2	8.96			493277		
	3	9.36			590051		
	4	9.81			531340		
	5	10.12			630395	606073.4	
Column 2	1	8.15			50478.3		
	2	8.46			755386		
	3	9.27			457058		
	4	9.77			507995		
	5	9.83			591658	472515.0	28.27

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/3/2009 6:53

APPENDIX C

SUPPORT DOCUMENTATION

LS#9809
F21208

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 4142 | PAGE 1 OF 1

NSWC Crane

PROJECT NO: 112G01573	FACILITY: SWMU 13	PROJECT MANAGER S. Ruffing	PHONE NUMBER 4129218989	LABORATORY NAME AND CONTACT: Pace Analytical / Kara Godineaux
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER S. Goerdt	PHONE NUMBER 4129218425	ADDRESS 940 So. Harney St
		CARRIER/WAYBILL NUMBER FedEx 863125265565		CITY, STATE Seattle, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCB 8082 SW846

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB 8082	COMMENTS
12/4	1415	13SOCF023A	023	0	2	SO	C	1	1	

1. RELINQUISHED BY	DATE 12/15/08	TIME 1830	1. RECEIVED BY Pace	DATE 081216	TIME 1000
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**APRIL 8, 2009**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB CTO F271, NSWC CRANE SDG F21712**		
SAMPLES:	3 / Soil / PCB		

13SOCF027B 13SOCF028A 13SOCF029A

OVERVIEW

The sample set for CTO F271, NSWC CRANE, SDG F21712 consists of three (3) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on December 22 and 23, 2008 and analyzed by PACE Analytical Services, Inc., Seattle, WA. All analyses were conducted in accordance with USEPA SW 846 Methods 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
• Initial and continuing calibration
* • Blank results
• Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
• Matrix Spike/Matrix Spike Duplicate Results
* • Detection Limits
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The Aroclor-1248 %D for the continuing calibration verification was greater than the 20% quality control limit for the primary GC column RTX-CLP on instrument 6890X on 12/30/08 @ 13:53. All the SDG samples and dilution re-analysis of the samples were affected. No action was taken for the non-detected sample results as the secondary GC column RTX-CLP2 was within quality control limits for Aroclor-1248. No action was taken for the positive result for sample 13SOCF029A as the result was reported from the secondary GC column.

The PCB surrogate % recoveries were less than the quality control limit for the dilution analysis of samples 13SOCF028A and 13SOCF029A. No action was taken as the large dilution used caused the surrogates to be outside the quality control limits.

The matrix spike (MS) and matrix spike duplicate (MSD) % recoveries for Aroclor-1016 were greater than the quality control limit for the samples 13SOCF27Band 13SOCF27B (dilution). The MS/MSD RPD for the dilution of sample 13SOCF27B for Aroclor-1016 was greater than the quality control limit. No action was taken as the matrix interference for the Aroclor-1016 analysis was attributed to the very high levels of Aroclor-1242 in the associated sample.

The MS % recovery was greater than the quality control limit for the dilution sample 13SOCF27B for Aroclor-1260. No action was taken as the MSD % recovery was within the quality control limits and the MS/MSD RPD was within the quality control limits for the dilution sample.

The RPD was greater than 25% between the primary and secondary GC columns for the Aroclor-1242 analysis for the dilution sample 13SOCF029A. The Aroclor-1242 result had an RPD greater than 25% but less than or equal to 100% and was qualified estimated, (J).

Sample	Compound	%RPD	Qualifer
13SOCF029A	Aroclor-1242	51.2	J

Notes

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

For the PCB data there was neither CLP type Form VIIIs nor Blank Form IVs with adequate sequence information provided by the laboratory. This resulted in the expenditure of excessive time reviewing raw data for the analytical sequences. The PCB Form IIs did not have % surrogate recovery information for each GC column, primary and secondary. Only a single TCX and DBC result were on the forms. %D was presented for the difference between GC columns by the laboratory instead of RPD and the RPD was manually calculated.

The laboratory performed dilutions for PCB analysis on samples due to the high level of aroclor-1248 as listed below

Sample	Dilution
13SOCF027B	4X
13SOCF027B	40X
13SOCF028A	200X
13SOCF028A	2000X
13SOCF029A	200X
13SOCF028A	2000X

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: The %RPD between columns for Aroclor-1242 for sample 13SOCF029A was >25%.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM for Environmental Laboratories."

Tetra Tech NUS

Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is less than sample activity

PROJ_NO: 01573

SDG: F21712 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF027 B
samp_date	12/22/2008
lab_id	F21712-001
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	43	U	
AROCLOR-1221	43	U	
AROCLOR-1232	43	U	
AROCLOR-1248	43	U	
AROCLOR-1254	43	U	
AROCLOR-1260	43	U	

nsample	13SOCF027 B-DL
samp_date	12/22/2008
lab_id	F21712-001DL
qc_type	NM
units	UG/KG
Pct_Solids	84.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	6200		

nsample	13SOCF028 A
samp_date	12/22/2008
lab_id	F21712-002
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	2100	U	
AROCLOR-1221	2100	U	
AROCLOR-1232	2100	U	
AROCLOR-1248	2100	U	
AROCLOR-1254	2100	U	
AROCLOR-1260	2100	U	

PROJ_NO: 01573

SDG: F21712 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	13SOCF028 A-DL
samp_date	12/22/2008
lab_id	F21712-002DL
qc_type	NM
units	UG/KG
Pct_Solids	85.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1242	230000		

nsample	13SOCF029 A
samp_date	12/23/2008
lab_id	F21712-003
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	2100	U	
AROCLOR-1221	2100	U	
AROCLOR-1232	2100	U	
AROCLOR-1242	2100	U	
AROCLOR-1254	2100	U	
AROCLOR-1260	2100	U	

nsample	13SOCF029 A-DL
samp_date	12/23/2008
lab_id	F21712-003DL
qc_type	NM
units	UG/KG
Pct_Solids	83.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1248	210000	J	U

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF027 B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-001

Sample wt/vol: 15.08 (g/mL) gm

Lab File ID: XC300812.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/22/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	5800	E
12672-29-6	AROCLOR-1248	43	U
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF027 B-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-001DL

Sample wt/vol: 15.08 (g/mL) gm

Lab File ID: XC300807.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 12/22/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	430	U
11104-28-2	AROCLOR-1221	430	U
11141-16-5	AROCLOR-1232	430	U
53469-21-9	AROCLOR-1242	6200	
12672-29-6	AROCLOR-1248	430	U
11097-69-1	AROCLOR-1254	430	U
11096-82-5	AROCLOR-1260	430	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF028 A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-002

Sample wt/vol: 15.37 (g/mL) gm

Lab File ID: XC300813.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 12/22/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2100	U
11104-28-2	AROCLOR-1221	2100	U
11141-16-5	AROCLOR-1232	2100	U
53469-21-9	AROCLOR-1242	230000	E
12672-29-6	AROCLOR-1248	2100	U
11097-69-1	AROCLOR-1254	2100	U
11096-82-5	AROCLOR-1260	2100	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF028 A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-002DL

Sample wt/vol: 15.37 (g/mL) gm

Lab File ID: XC300808.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 12/22/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21000	U
11104-28-2	AROCLOR-1221	21000	U
11141-16-5	AROCLOR-1232	21000	U
53469-21-9	AROCLOR-1242	230000	
12672-29-6	AROCLOR-1248	21000	U
11097-69-1	AROCLOR-1254	21000	U
11096-82-5	AROCLOR-1260	21000	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF029 A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-003

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: XC300814.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/23/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2100	U
11104-28-2	AROCLOR-1221	2100	U
11141-16-5	AROCLOR-1232	2100	U
53469-21-9	AROCLOR-1242	2100	U
12672-29-6	AROCLOR-1248	200000	EP
11097-69-1	AROCLOR-1254	2100	U
11096-82-5	AROCLOR-1260	2100	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF029 A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21712

Run Sequence: R033723

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21712-003DL

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: XC300809.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/23/2008

Extraction: (Type) PFEX

Date Extracted: 12/29/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/30/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21000	U
11104-28-2	AROCLOR-1221	21000	U
11141-16-5	AROCLOR-1232	21000	U
53469-21-9	AROCLOR-1242	21000	U
12672-29-6	AROCLOR-1248	210000	P
11097-69-1	AROCLOR-1254	21000	U
11096-82-5	AROCLOR-1260	21000	U

Comments:

APPENDIX C

SUPPORT DOCUMENTATION

ASR 9888 SDG: F21712

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 4147

PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER: S. RUFFING	PHONE NUMBER: (412) 921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL / KARA GODINEAUX
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: J. FLOYD	PHONE NUMBER: (502) 693-1417	ADDRESS: 940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER: FEDEX / 8631 2526 5234		CITY, STATE: SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: ICE (4°C)

TYPE OF ANALYSIS: PCB's SW846 - 8082

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's SW846 - 8082	COMMENTS
12/22	1700	13SOCF027B	027B	2	4	SO	C	1	1	
12/22	1715	13SOCF028A	028A	0	2			1	1	
12/23	1200	13SOCF029A	029A	0	2			1	1	

1. RELINQUISHED BY	DATE 12/23/2008	TIME 1900	1. RECEIVED BY	DATE 12/29/08	TIME 825
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **S. RUFFING** **DATE:** **APRIL 27th, 2009**

FROM: **MEGAN CARSON** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21709

SAMPLES: 7/soil/PCB via 8082:

13SOCW043A	13SOCW044A	13SOCW045A
13SOCW046A	13SOCW047A	13SOCW048A
13SOCW049A		

Overview

The sample set for CTO F271; NSWC Crane, SDG F21709 consists of seven soil environmental samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors.

The samples were collected by TetraTech NUS on 12/18/08 and analyzed by Pace Analytical Services Inc. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Methods 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Instrument performance and tuning
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
  • Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
* • Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

The dilution for sample 13SOCW044A had a percent difference (%D) between columns greater than the quality control limit of 25% for Aroclor 1248. The positive result was qualified as estimated (J).

The dilution for sample 13SOCW044A had high percent recovery (%R) for the surrogate Decachlorobiphenyl. Positive results were qualified as estimates J. The positive result reported for Aroclor1248 was qualified as estimated (J).

The dilution for sample 13SOCW048A had high percent recovery (%R) for the surrogate Decachlorobiphenyl. The positive result reported for Aroclor1248 was qualified as estimated (J).

Notes:

The following samples were diluted to bring aroclor 1248 within linear calibration range:

Sample	Dilution factor
13SOCW043A-DL	4x
13SOCW044A	5X
13SOCW044A-DL	100X
13SOCW045A-DL	10X
13SOCW047A-DL	20X
13SOCW048A	2X
13SOCW048A-DL	20X
13SOCW049A-DL	20X

Samples 13SOCW044A and 13SOCW048A were diluted for a compound that was out of linear calibration range increasing the reporting limits for all other compounds. No further validation action was warranted.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: Several samples had surrogate recoveries above the quality control limits. The %D between columns was 25% for Aroclor 1248 for sample 13SOCW044.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573 SDG: F21709 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW043A			13SOCW043A-DL			13SOCW044A			13SOCW044A-DL		
	LAB_ID	F21709-001			F21709-001DL			F21709-002			F21709-002DL		
	SAMP_DATE	12/18/2008			12/18/2008			12/18/2008			12/18/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	80.0			80.0			82.0			82.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U					47	U				
AROCLOR-1221		11	U					47	U				
AROCLOR-1232		11	U					47	U				
AROCLOR-1242		11	U					47	U				
AROCLOR-1248					610						18000	J	RU
AROCLOR-1254		11	U					47	U				
AROCLOR-1260		11	U					47	U				

PROJ_NO: 01573	NSAMPLE	13SOCW045A			13SOCW045A-DL			13SOCW046A			13SOCW047A		
SDG: F21709	LAB_ID	F21709-003			F21709-003DL			F21709-004			F21709-005		
FRACTION: PEST/PCB	SAMP_DATE	12/18/2008			12/18/2008			12/18/2008			12/18/2008		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			82.0			79.0			79.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U					11	U		11	U	
AROCLOR-1221		11	U					11	U		11	U	
AROCLOR-1232		11	U					11	U		11	U	
AROCLOR-1242		11	U					11	U		11	U	
AROCLOR-1248					1800			11	U				
AROCLOR-1254		11	U					11	U		11	U	
AROCLOR-1260		11	U					11	U		11	U	

PROJ_NO: 01573	NSAMPLE	13SOCW047A-DL			13SOCW048A			13SOCW048A-DL			13SOCW049A		
SDG: F21709	LAB_ID	F21709-005DL			F21709-006			F21709-006DL			F21709-007		
FRACTION: PEST/PCB	SAMP_DATE	12/18/2008			12/18/2008			12/18/2008			12/18/2008		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	79.0			78.0			78.0			87.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					23	U					9.6	U	
AROCLOR-1221					23	U					9.6	U	
AROCLOR-1232					23	U					9.6	U	
AROCLOR-1242					23	U					9.6	U	
AROCLOR-1248		2600						930	J	R			
AROCLOR-1254					23	U					9.6	U	
AROCLOR-1260					23	U					9.6	U	

PROJ_NO: 01573	NSAMPLE	13SOCW049A-DL		
SDG: F21709	LAB_ID	F21709-007DL		
FRACTION: PEST/PCB	SAMP_DATE	12/18/2008		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	87.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016				
AROCLOR-1221				
AROCLOR-1232				
AROCLOR-1242				
AROCLOR-1248		1400		
AROCLOR-1254				
AROCLOR-1260				

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW043A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-001

Sample wt/vol: 15.86 (g/mL) mL

Lab File ID: XC220811.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/22/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	620	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW043A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-001 Date Analyzed: 12/22/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			203.892		
	2	9.7			1006.06		
	3	10.66			391.79		
	4	11.04			734.679		
	5	11.43			764.506	620.185	
Column 2	1	8.91			243.981		
	2	9.27			217.757		
	3	9.44			452.495		
	4	9.84			968.792		
	5	10.14			854.016	547.408	13.29

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/31/2008 14:12

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW043A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-001DL

Sample wt/vol: 15.86 (g/mL) mL

Lab File ID: XC230805.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	43	U
12672-29-6	AROCLOR-1248	610	
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW043A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-001DL Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			219.932		
	2	9.7			931.185		
	3	10.65			406.452		
	4	11.03			750.51		
	5	11.41			725.63	606.742	
Column 2	1	8.9			266.982		
	2	9.26			231.611		
	3	9.43			461.878		
	4	9.83			952.63		
	5	10.13			818.565	546.333	11.06

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/31/2008 14:12

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW044A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-002

Sample wt/vol: 17.36 (g/mL) mL

Lab File ID: XC230812.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	47	U
11104-28-2	AROCLOR-1221	47	U
11141-16-5	AROCLOR-1232	47	U
53469-21-9	AROCLOR-1242	47	U
12672-29-6	AROCLOR-1248	14000	E
11097-69-1	AROCLOR-1254	47	U
11096-82-5	AROCLOR-1260	47	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW044A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-002 Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			11505.5		
	2	9.69			20691.5		
	3	10.65			6866.34		
	4	11.03			8643.48		
	5	11.41			10348.2	11611.00	
Column 2	1	8.91			8066.16		
	2	9.27			11132.9		
	3	9.43			14254.9		
	4	9.83			15439.5		
	5	10.13			18684	13515.49	16.4

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW044A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-002DL

Sample wt/vol: 17.36 (g/mL) mL

Lab File ID: XC240820.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/24/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	950	U
11104-28-2	AROCLOR-1221	950	U
11141-16-5	AROCLOR-1232	950	U
53469-21-9	AROCLOR-1242	950	U
12672-29-6	AROCLOR-1248	18000	
11097-69-1	AROCLOR-1254	950	U
11096-82-5	AROCLOR-1260	950	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW044A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-002DL Date Analyzed: 12/24/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			13973.2		
	2	9.69			22261.1		
	3	10.64			8113.33		
	4	11.02			10612.4		
	5	11.41			11815.3	13355.06	
Column 2	1	8.91			10662.9		
	2	9.26			15391		
	3	9.43			20161.2		
	4	9.83			20355.2		
	5	10.13			24296.2	18173.3	36.08

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW045A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-003

Sample wt/vol: 15.2 (g/mL) mL

Lab File ID: XC220810.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/22/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	1600	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW045A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-003 Date Analyzed: 12/22/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			990.409		
	2	9.7			2836.29		
	3	10.66			937.58		
	4	11.03			1471.29		
	5	11.42			1650.6	1577.234	
Column 2	1	8.91			746.543		
	2	9.27			1007.8		
	3	9.43			1494.7		
	4	9.84			2132.93		
	5	10.14			2652.78	1606.951	1.88

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/31/2008 14:12

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW045A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-003DL

Sample wt/vol: 15.2 (g/mL) mL

Lab File ID: XC230807.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	1800	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW045A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-003DL Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			1100.23		
	2	9.7			2703.9		
	3	10.65			931.667		
	4	11.03			1345.3		
	5	11.42			1513.38	1518.895	
Column 2	1	8.91			882.494		
	2	9.26			1131.36		
	3	9.43			1650.38		
	4	9.83			2367.37		
	5	10.13			2844.85	1775.291	16.88

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW046A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-004

Sample wt/vol: 15.85 (g/mL) mL

Lab File ID: XC220808.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/22/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW047A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-005

Sample wt/vol: 15.48 (g/mL) mL

Lab File ID: XC220813.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/22/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	2300	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW047A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-005 Date Analyzed: 12/22/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			2096.49		
	2	9.7			3431.1		
	3	10.67			1228.46		
	4	11.05			1745.72		
	5	11.44			2270.9	2154.534	
Column 2	1	8.91			1513.09		
	2	9.27			2087.27		
	3	9.44			1847.47		
	4	9.84			2758.46		
	5	10.14			3331.61	2307.58	7.1

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW047A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-005DL

Sample wt/vol: 15.48 (g/mL) mL

Lab File ID: XC230808.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	2600	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW047A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-005DL Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			2440.36		
	2	9.69			3392		
	3	10.64			1363.33		
	4	11.02			1708.64		
	5	11.41			2082.12	2197.29	
Column 2	1	8.9			1836.92		
	2	9.26			2537.11		
	3	9.43			2105.97		
	4	9.83			3027.92		
	5	10.13			3552.15	2612.014	18.87

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW048A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-006

Sample wt/vol: 15.02 (g/mL) mL

Lab File ID: XC230811.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	23	U
11104-28-2	AROCLOR-1221	23	U
11141-16-5	AROCLOR-1232	23	U
53469-21-9	AROCLOR-1242	23	U
12672-29-6	AROCLOR-1248	860	E
11097-69-1	AROCLOR-1254	23	U
11096-82-5	AROCLOR-1260	23	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW048A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-006 Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.25			478.99		
	2	9.71			1309.85		
	3	10.67			533.764		
	4	11.05			842.297		
	5	11.44			979.492	828.879	
Column 2	1	8.92			359.054		
	2	9.28			497.508		
	3	9.44			783.508		
	4	9.85			1312.77		
	5	10.15			1344.83	859.534	3.7

At least three peaks for each column are required for identification of multicomponent analytes.

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW048A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-006DL

Sample wt/vol: 15.02 (g/mL) mL

Lab File ID: XC230810.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	230	U
11104-28-2	AROCLOR-1221	230	U
11141-16-5	AROCLOR-1232	230	U
53469-21-9	AROCLOR-1242	230	U
12672-29-6	AROCLOR-1248	930	
11097-69-1	AROCLOR-1254	230	U
11096-82-5	AROCLOR-1260	230	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW048A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-006DL Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			549.631		
	2	9.7			1217.36		
	3	10.66			574.228		
	4	11.04			785.792		
	5	11.43			909.8	807.362	
Column 2	1	8.91			474.918		
	2	9.26			610.038		
	3	9.43			904.549		
	4	9.83			1297.78		
	5	10.14			1362.36	929.929	15.18

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 12/31/2008 14:12

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW049A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-007

Sample wt/vol: 16.21 (g/mL) mL

Lab File ID: XC220809.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/22/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.6	U
11104-28-2	AROCLOR-1221	9.6	U
11141-16-5	AROCLOR-1232	9.6	U
53469-21-9	AROCLOR-1242	9.6	U
12672-29-6	AROCLOR-1248	1600	E
11097-69-1	AROCLOR-1254	9.6	U
11096-82-5	AROCLOR-1260	9.6	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW049A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-007 Date Analyzed: 12/22/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			764.677		
	2	9.7			1777.11		
	3	10.66			1215.32		
	4	11.03			1916.76		
	5	11.42			2169.99	1568.771	
Column 2	1	8.91			419.752		
	2	9.27			749.445		
	3	9.43			983.37		
	4	9.83			1759.05		
	5	10.13			2686.64	1319.651	18.88

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW049A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21709

Run Sequence: R033617

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21709-007DL

Sample wt/vol: 16.21 (g/mL) mL

Lab File ID: XC230809.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 12/18/2008

Extraction: (Type) PFEX

Date Extracted: 12/19/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/23/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	190	U
11104-28-2	AROCLOR-1221	190	U
11141-16-5	AROCLOR-1232	190	U
53469-21-9	AROCLOR-1242	190	U
12672-29-6	AROCLOR-1248	1400	
11097-69-1	AROCLOR-1254	190	U
11096-82-5	AROCLOR-1260	190	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW049A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033617 SDG No.: F21709

Lab Sample ID: F21709-007DL Date Analyzed: 12/23/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			825.368		
	2	9.69			1552.56		
	3	10.64			1165.48		
	4	11.03			1470.24		
	5	11.41			1658.41	1334.412	
Column 2	1	8.9			548.007		
	2	9.26			875.437		
	3	9.43			1143.59		
	4	9.83			1732.77		
	5	10.13			2594.18	1378.797	3.33

At least three peaks for each column are required for identification of multicomponent analytes.

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APPENDIX C

SUPPORT DOCUMENTATION

CS#9859
F21709

TETRA TECH NUS, INC. — CHAIN OF CUSTODY — NUMBER 4146 — PAGE 1 OF 1

NSWC Crane

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	SWMU 13	S. Ruffing	4129218989	Pace Analytical/Godineaux, Kara
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: J. Gould	PHONE NUMBER: 4129218925	ADDRESS: 940 So. Harney St.
		CARRIER/WAYBILL NUMBER: FedEx/863125265587		CITY, STATE: Seattle, WA 98108

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4oC

TYPE OF ANALYSIS: PCBs SW8082 LTL 2302/LTL 8094

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW8082								COMMENTS
12/18	1230	1350CW043A	043	0	2	SO	C	1	1								
	1255	1350CW044A	044					1	1								
	1315	1350CW045A	045					1	1								
	1350	1350CW046A	046					1	1								
	1400	1350CW047A	047					1	1								
	1425	1350CW048A	048					1	1								
	1440	1350CW049A	049					1	1								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	12/18/08	1800	1. RECEIVED BY	081215	1015
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**APRIL 27th, 2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21713

SAMPLES: 5/soil/PEST/PCB via 8082:

13SOCW050B	13SOCW051B	13SOCW052A
13SOCF030A	13SOCW053A	

Overview

The sample set for CTO F271; NSWC Crane, SDG F21713 consists of five soil environmental samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors.

The samples were collected by TetraTech NUS on 12/30/08 and analyzed by Pace Analytical. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Methods 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Instrument performance and tuning
• Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Results
• Matrix Spike/ Matrix Spike Duplicate Results
* • Field Duplicate Results
• Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

Sample 13SOCF030A had a percent difference (%D) greater than the quality control limit of 25% for the dilution of Aroclor 1248. The positive result was qualified as estimated, J.

Sample 13SOCF050B had a percent difference (%D) greater than the quality control limit of 25% for the dilution of Aroclor 1248. The positive result was qualified as estimated, J.

Sample 13SOCF052A had a percent difference (%D) greater than the quality control limit of 25% for the dilution of Aroclor 1248. The positive result was qualified as estimated, J.

Notes:

The following samples were diluted to bring Aroclor 1248 within calibration range:

Sample	Dilution factor
13SOCW050B	4X
13SOCW050B-DL	40X
13SOCW051B-DL	10X
13SOCW052A	4X
13SOCW052A-DL	40X
13SOCF030A	4X
13SOCF030A-DL	40X
13SOCW053A	2X
13SOCW053A-DL	20X

The matrix spike (MS) and matrix spike duplicate (MSD) for sample 13SOCW052A had percent recoveries significantly higher than the quality control limits for Aroclor 1016. The RPD for Aroclor 1260 was greater than the quality control limit of 20. The %D between the two columns was outside control limits for Aroclor 1016 for both the MS and MSD. No validation action was warranted as the sample result for Aroclor 1016 was non-detected.

Samples 13SOCW050B, 13SOCW052A, 13SOCF030A, 13SOCW051B and 13SOCW053A were diluted for a target compound that was out of linear calibration range increasing the reporting limit (RL) for all other compounds.

The continuing calibration (CCV) performed on instrument 6890x on 12/31/08 at 18:24 had a percent difference of greater than 15% for Aroclor 1248 on column CLP1. No validation action was warranted because the %D was within limits for column CLP2 and all quantitations were from CLP2.

The continuing calibration (CCV) performed on instrument 6890x on 12/31/08 at 22:13 had a percent difference of greater than 15% for Aroclor 1248 on column CLP1. No validation action was warranted because none of the samples affected had positive results.

The continuing calibration (CCV) performed on instrument 6890x on 12/31/08 at 22:38 had a percent difference of greater than 15% for Aroclor 1248 on column CLP1. No validation action was warranted because the %D was within limits for column CLP2 and all quantitations were from CLP2.

The continuing calibration (CCV) performed on instrument 6890x on 1/1/09 at 02:53 had a percent difference of greater than 15% for Aroclor 1248 on column CLP1. No validation action was warranted because the %D was within limits for column CLP2 and all quantitations were from CLP2.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: The %D for Aroclor 1248 for several samples were >25%.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573 SDG: F21713 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF030A			13SOCF030A-DL			13SOCW050B			13SOCW050B-DL		
	LAB_ID	F21713-004			F21713-004DL			F21713-001			F21713-001DL		
	SAMP_DATE	12/30/2008			12/30/2008			12/30/2008			12/30/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	77.0			77.0			76.0			76.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		46	U					46	U				
AROCLOR-1221		46	U					46	U				
AROCLOR-1232		46	U					46	U				
AROCLOR-1242		46	U					46	U				
AROCLOR-1248					9700	J	U				1800	J	U
AROCLOR-1254		46	U					46	U				
AROCLOR-1260		46	U					46	U				

PROJ_NO: 01573 SDG: F21713 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW051B			13SOCW051B-DL			13SOCW052A			13SOCW052A-DL		
	LAB_ID	F21713-002			F21713-002DL			F21713-003			F21713-003DL		
	SAMP_DATE	12/30/2008			12/30/2008			12/30/2008			12/30/2008		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			83.0			78.0			78.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U					46	U				
AROCLOR-1221		11	U					46	U				
AROCLOR-1232		11	U					46	U				
AROCLOR-1242		11	U					46	U				
AROCLOR-1248					500						1500	J	U
AROCLOR-1254		11	U					46	U				
AROCLOR-1260		11	U					46	U				

PROJ_NO: 01573 SDG: F21713 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW053A			13SOCW053A-DL		
	LAB_ID	F21713-005			F21713-005DL		
	SAMP_DATE	12/30/2008			12/30/2008		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	80.0			80.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		22	U				
AROCLOR-1221		22	U				
AROCLOR-1232		22	U				
AROCLOR-1242		22	U				
AROCLOR-1248					2100		
AROCLOR-1254		22	U				
AROCLOR-1260		22	U				

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF030A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-004

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XC310824.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/01/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	46	U
11104-28-2	AROCLOR-1221	46	U
11141-16-5	AROCLOR-1232	46	U
53469-21-9	AROCLOR-1242	46	U
12672-29-6	AROCLOR-1248	9200	E
11097-69-1	AROCLOR-1254	46	U
11096-82-5	AROCLOR-1260	46	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF030A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-004 Date Analyzed: 01/01/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			7137.56		
	2	9.7			10869		
	3	10.65			5117.76		
	4	11.04			7451.9		
	5	11.43			8408.62	7796.968	
Column 2	1	8.9			4773.34		
	2	9.26			7484.68		
	3	9.43			9901.92		
	4	9.83			9925.3		
	5	10.13			13909.9	9199.028	17.98

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF030A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-004DL

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: XC310816.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	460	U
11104-28-2	AROCLOR-1221	460	U
11141-16-5	AROCLOR-1232	460	U
53469-21-9	AROCLOR-1242	460	U
12672-29-6	AROCLOR-1248	9700	
11097-69-1	AROCLOR-1254	460	U
11096-82-5	AROCLOR-1260	460	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF030A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-004DL Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			7486.65		
	2	9.7			10024.6		
	3	10.66			5096.82		
	4	11.04			6709.56		
	5	11.43			7152.62	7294.05	
Column 2	1	8.91			5291.22		
	2	9.27			8143.48		
	3	9.43			10615.3		
	4	9.84			10337.5		
	5	10.14			14008.5	9679.2	32.7

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW050B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-001

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XC310821.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	46	U
11104-28-2	AROCLOR-1221	46	U
11141-16-5	AROCLOR-1232	46	U
53469-21-9	AROCLOR-1242	46	U
12672-29-6	AROCLOR-1248	1900	E
11097-69-1	AROCLOR-1254	46	U
11096-82-5	AROCLOR-1260	46	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW050B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-001 Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			1231.86		
	2	9.7			2322.92		
	3	10.66			1162.22		
	4	11.04			1608.99		
	5	11.43			1742.72	1613.742	
Column 2	1	8.91			969.792		
	2	9.27			1335.01		
	3	9.43			1706.98		
	4	9.84			2449.84		
	5	10.13			2820.02	1856.328	15.03

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW050B-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-001DL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: XC310813.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	460	U
11104-28-2	AROCLOR-1221	460	U
11141-16-5	AROCLOR-1232	460	U
53469-21-9	AROCLOR-1242	460	U
12672-29-6	AROCLOR-1248	1800	
11097-69-1	AROCLOR-1254	460	U
11096-82-5	AROCLOR-1260	460	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW050B-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-001DL Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			1274.86		
	2	9.7			1891.37		
	3	10.65			1075.85		
	4	11.04			1335.58		
	5	11.42			1360.45	1387.622	
Column 2	1	8.9			1170.51		
	2	9.26			1452.15		
	3	9.43			1821.12		
	4	9.84			2123.64		
	5	10.13			2419.62	1797.408	29.53

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW051B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-002

Sample wt/vol: 15.26 (g/mL) gm

Lab File ID: XC310822.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	480	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW051B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-002 Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			289.305		
	2	9.7			561.27		
	3	10.65			336.865		
	4	11.03			505.535		
	5	11.42			565.543	451.704	
Column 2	1	8.9			231.558		
	2	9.26			326.163		
	3	9.43			433.445		
	4	9.83			634.463		
	5	10.13			791.052	483.336	7

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW051B-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-002DL

Sample wt/vol: 15.26 (g/mL) gm

Lab File ID: XC310814.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	500	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW051B-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-002DL Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			325.461		
	2	9.7			500.043		
	3	10.66			344.161		
	4	11.04			467.125		
	5	11.43			497.487	426.855	
Column 2	1	8.91			299.642		
	2	9.27			384.453		
	3	9.43			487.443		
	4	9.84			601.606		
	5	10.14			728.349	500.299	17.21

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW052A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-003

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XC310823.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/01/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	46	U
11104-28-2	AROCLOR-1221	46	U
11141-16-5	AROCLOR-1232	46	U
53469-21-9	AROCLOR-1242	46	U
12672-29-6	AROCLOR-1248	1500	E
11097-69-1	AROCLOR-1254	46	U
11096-82-5	AROCLOR-1260	46	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW052A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-003 Date Analyzed: 01/01/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			1151.5		
	2	9.69			1845.93		
	3	10.65			771.821		
	4	11.03			1041.9		
	5	11.42			1321.48	1226.526	
Column 2	1	8.9			920.595		
	2	9.26			1265.04		
	3	9.43			1160.71		
	4	9.83			1794.89		
	5	10.13			2169.54	1462.155	19.21

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW052A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-003DL

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: XC310815.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	460	U
11104-28-2	AROCLOR-1221	460	U
11141-16-5	AROCLOR-1232	460	U
53469-21-9	AROCLOR-1242	460	U
12672-29-6	AROCLOR-1248	1500	
11097-69-1	AROCLOR-1254	460	U
11096-82-5	AROCLOR-1260	460	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW052A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-003DL Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.24			1256.78		
	2	9.7			1692.42		
	3	10.66			764.426		
	4	11.04			949.462		
	5	11.43			1224.19	1177.456	
Column 2	1	8.91			1163.2		
	2	9.27			1462.95		
	3	9.43			1335.72		
	4	9.84			1718.55		
	5	10.14			2029.27	1541.938	30.96

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW053A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-005

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: XC310825.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/01/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	22	U
11104-28-2	AROCLOR-1221	22	U
11141-16-5	AROCLOR-1232	22	U
53469-21-9	AROCLOR-1242	22	U
12672-29-6	AROCLOR-1248	2200	E
11097-69-1	AROCLOR-1254	22	U
11096-82-5	AROCLOR-1260	22	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW053A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-005 Date Analyzed: 01/01/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			1205.39		
	2	9.69			4327.95		
	3	10.65			1528.78		
	4	11.03			2580.03		
	5	11.42			2469.76	2422.382	
Column 2	1	8.9			997.035		
	2	9.27			1298.68		
	3	9.43			2152.94		
	4	9.83			3231.2		
	5	10.13			3205.72	2177.115	11.27

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/2/2009 7:54

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW053A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21713

Run Sequence: R033780

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21713-005DL

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: XC310817.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 12/30/2008

Extraction: (Type) PFEX

Date Extracted: 12/31/2008

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 12/31/2008

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	2100	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW053A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033780 SDG No.: F21713

Lab Sample ID: F21713-005DL Date Analyzed: 12/31/2008

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.23			1224.79		
	2	9.7			3696.97		
	3	10.65			1506.45		
	4	11.04			2387.07		
	5	11.43			2120.06	2187.068	
Column 2	1	8.9			1106.79		
	2	9.27			1387.96		
	3	9.43			2216.35		
	4	9.83			3003.9		
	5	10.14			2954.03	2133.806	2.5

At least three peaks for each column are required for identification of multicomponent analytes.

APPENDIX C

SUPPORT DOCUMENTATION

F21713

TETRA TECH NUS, INC. LS# 9921 **CHAIN OF CUSTODY** | **NUMBER** 4150 | **PAGE** 1 **OF** 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412)921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL / KARA GODINEAUX
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. FLOYD	PHONE NUMBER (502)693-1417	ADDRESS 940 SOUTH HARNEY STREET
BLDG-171 DRAINAGE & EXCAVATION BLDG-166 SOIL BORING (NW CORNER)		CARRIER/WAYBILL NUMBER FEDEX/8631 2526 5245		CITY, STATE SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: ICE (4°C)

TYPE OF ANALYSIS: PCB's, SW846-8082

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's, SW846-8082								COMMENTS
12/30	1140	13SOCW050B	W050B	2	4	SO	C	1	1								
	1200	13SOCW051B	W051B	2	4			1	1								
	1230	13SOCW052A	W052A	0	2			1	1								
	1245	13SOCF030A	F030A	0	2			1	1								EXTRACT AND HOLD
	1400	13SOCW053A	W053A	0	2			1	1								

1. RELINQUISHED BY	DATE 12/30/2008	TIME 2000	1. RECEIVED BY	DATE 12/31/08	TIME 915
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**APRIL 27th , 2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – F21714

SAMPLES: 14/soil/ PCB via 8082:

13SOCF035B	13SOCF036B	13SOCW057C
13SOCF037B	13SOCF034B	13SOCW055B
13SOCF032B	13SOCW054A	13SOC2CF029A
13SOCF031B	13SOCW060A	13SOCW061A
13SOCW62A	FD01070801	

Overview

The sample set for CTO F271; NSWC Crane, SDG F21714 consists of fourteen (14) soil environmental samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors. This SDG has one field duplicate pair: 13SOCW055B/FD0108091.

The samples were collected by TetraTech NUS on 1/7/09 and analyzed by Pace Analytical Services . All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

*	•	Data Completeness
*	•	Holding Times
*	•	Instrument performance and tuning
*	•	Initial and Continuing Calibrations
*	•	Laboratory Method Blank Analyses
	•	Surrogate Recoveries
*	•	Laboratory Control Sample Results
	•	Matrix Spike/ Matrix Spike Duplicate Results
*	•	Field Duplicate Results
*	•	Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

The following samples had a percent difference between columns greater than the quality control limit of 25% for Aroclor 1248: 13SO2CF029A-DL, 13SO2CF031B-DL, 13SOCF035B, 13SOCF036B-DL, 13SOCW055B, 13SOCW060A, 13SOCWO61A-DL, and FD01070901-DL. All positive results were qualified estimated, J.

Sample 13SOCW062A-DL had a percent difference between columns greater than the quality control limit of 25% for Aroclor 1242. The positive result was qualified as undetected.

Samples 13SOCW062A, 13SOCW062A-DL, 13SOCF029A-DL had percent recoveries greater than the quality control limit for surrogate decachlorobiphenyl. Positive results were qualified as estimated J.

Notes:

The following samples were diluted to bring target compounds within linear calibration range:

Sample	Dilution factor	Compound diluted
13SO2CF029A	4X	Aroclor 1248
13SO2CF029A-DL	40X	Aroclor 1248
13SOCF031B-DL	2X	Aroclor 1248
13SOCF036B-DL	10X	Aroclor 1248
13SOCW054A-DL	10X	Aroclor 1248
13SOCW061A-DL	10X	Aroclor 1248
13SOCW062A	4X	Aroclor 1242
13SOCW062A-DL	40X	Aroclor 1242
FD01070901-DL	10X	Aroclor 1248

The matrix spike (MS) and matrix spike duplicate (MSD) for sample 13SOCW054A had a high percent recovery for Aroclor 1016. No validation actions were required based on MS/MSD recoveries alone.

The matrix spike (MS) and matrix spike duplicate (MSD) for sample FD01070901 had a high percent recovery for Aroclor 1016. No validation actions were required based on MS/MSD recoveries alone.

The continuing calibration performed on 6890x on 1/13/09 at 21:51 had a percent difference greater than the quality control limit of 25% for aroclor 1260 on column CLP1. Samples affected are as follows: 13SOCF035B, 13SOCW061A-DL, 13SOCW062A, 13SOCW062A-DL, and FD01070801. No validation action was warranted because all positive results were reported from column CLP 2.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: The %D between columns was >25% for several samples. The surrogate recoverieds for decachlorobiphenyl for several samples were greater than the quality control limits.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573 SDG: F21714 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SO2CF029A			13SO2CF029A-DL			13SOCF031B			13SOCF031B-DL		
	LAB_ID	F21714-009			F21714-009DL			F21714-010			F21714-010DL		
	SAMP_DATE	1/7/2009			1/7/2009			1/7/2009			1/7/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			82.0			83.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		42	U					11	U				
AROCLOR-1221		42	U					11	U				
AROCLOR-1232		42	U					11	U				
AROCLOR-1242		42	U					11	U				
AROCLOR-1248					5300	J	UR				360	J	U
AROCLOR-1254		42	U					11	U				
AROCLOR-1260		42	U					11	U				

PROJ_NO: 01573 SDG: F21714 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF032B			13SOCF034B			13SOCF035B			13SOCF036B		
	LAB_ID	F21714-007			F21714-005			F21714-001			F21714-002		
	SAMP_DATE	1/7/2009			1/7/2009			1/7/2009			1/7/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	79.0			79.0			81.0			77.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		11	U		11	U		11	U	
AROCLOR-1221		11	U		11	U		11	U		11	U	
AROCLOR-1232		11	U		11	U		11	U		11	U	
AROCLOR-1242		11	U		11	U		11	U		11	U	
AROCLOR-1248		140			160			57	J	U			
AROCLOR-1254		11	U		11	U		11	U		11	U	
AROCLOR-1260		11	U		11	U		11	U		11	U	

PROJ_NO: 01573 SDG: F21714 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF036B-DL			13SOCF037B			13SOCW054A			13SOCW054A-DL		
	LAB_ID	F21714-002DL			F21714-004			F21714-008			F21714-008DL		
	SAMP_DATE	1/7/2009			1/7/2009			1/7/2009			1/7/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	77.0			74.0			78.0			78.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					12	U		11	U				
AROCLOR-1221					12	U		11	U				
AROCLOR-1232					12	U		11	U				
AROCLOR-1242					12	U		11	U				
AROCLOR-1248		1100	J	U	250						400		
AROCLOR-1254					12	U		11	U				
AROCLOR-1260					12	U		11	U				

PROJ_NO: 01573	NSAMPLE	13SOCW055B			13SOCW057C			13SOCW060A			13SOCW061A		
SDG: F21714	LAB_ID	F21714-006			F21714-003			F21714-011			F21714-012		
FRACTION: PEST/PCB	SAMP_DATE	1/7/2009			1/7/2009			1/7/2009			1/7/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			80.0			84.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		11	U		11	U		11	U	
AROCLOR-1221		11	U		11	U		11	U		11	U	
AROCLOR-1232		11	U		11	U		11	U		11	U	
AROCLOR-1242		11	U		11	U		11	U		11	U	
AROCLOR-1248		300	J	U	11	U		130	J	U			
AROCLOR-1254		11	U		11	U		11	U		11	U	
AROCLOR-1260		11	U		11	U		11	U		11	U	

PROJ_NO: 01573	NSAMPLE	13SOCW061A-DL			13SOCW062A			13SOCW062A-DL			FD01070901		
SDG: F21714	LAB_ID	F21714-012DL			F21714-013			F21714-013DL			F21714-014		
FRACTION: PEST/PCB	SAMP_DATE	1/7/2009			1/7/2009			1/7/2009			1/7/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			85.0			85.0			81.0		
	DUP_OF										13SOCW055B		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					41	U					11	U	
AROCLOR-1221					41	U					11	U	
AROCLOR-1232					41	U					11	U	
AROCLOR-1242								7400	J	UR	11	U	
AROCLOR-1248		800	J	U	41	U							
AROCLOR-1254					41	U					11	U	
AROCLOR-1260					41	U					11	U	

PROJ_NO: 01573	NSAMPLE	FD01070901-DL		
SDG: F21714	LAB_ID	F21714-014DL		
FRACTION: PEST/PCB	SAMP_DATE	1/7/2009		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	81.0		
	DUP_OF	13SOCW055B		
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016				
AROCLOR-1221				
AROCLOR-1232				
AROCLOR-1242				
AROCLOR-1248		380	J	U
AROCLOR-1254				
AROCLOR-1260				

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SO2CF029A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-009

Sample wt/vol: 15.79 (g/mL) gm

Lab File ID: X1120947.d

% Moisture: 18.3 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	42	U
12672-29-6	AROCLOR-1248	5600	E
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	42	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SO2CF029A

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-009
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			9204.99		
	2	8.94			2871.47		
	3	9.26			5072.75		
	4	9.8			2339.37		
	5	10.72			4244.39	4746.594	
Column 2	1	8.93			2537.66		
	2	9.29			4089.82		
	3	9.46			5382.52		
	4	9.87			7008.57		
	5	10.18			8971.21	5597.956	17.94

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13S02CF029A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-009DL

Sample wt/vol: 15.79 (g/mL) gm

Lab File ID: X1120967.d

% Moisture: 18.3 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	420	U
11104-28-2	AROCLOR-1221	420	U
11141-16-5	AROCLOR-1232	420	U
53469-21-9	AROCLOR-1242	420	U
12672-29-6	AROCLOR-1248	5300	
11097-69-1	AROCLOR-1254	420	U
11096-82-5	AROCLOR-1260	420	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SO2CF029A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-009DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			7370.67		
	2	8.96			2889.15		
	3	9.28			4509.54		
	4	9.81			2808.76		
	5	10.74			3558.32	4227.288	
Column 2	1	8.94			2825.22		
	2	9.3			4233.34		
	3	9.47			5295.47		
	4	9.89			6322.59		
	5	10.2			7910.5	5317.424	25.79

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF031B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-010

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: X1120948.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	370	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF031B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-010 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			356.565		
	2	8.95			182.141		
	3	9.26			331.655		
	4	9.8			188.019		
	5	10.72			309.155	273.507	
Column 2	1	8.93			158.936		
	2	9.29			285.622		
	3	9.46			298.737		
	4	9.87			543.577		
	5	10.18			578.555	373.085	36.41

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF031B-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-010DL

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: X1120968.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	22	U
11104-28-2	AROCLOR-1221	22	U
11141-16-5	AROCLOR-1232	22	U
53469-21-9	AROCLOR-1242	22	U
12672-29-6	AROCLOR-1248	360	
11097-69-1	AROCLOR-1254	22	U
11096-82-5	AROCLOR-1260	22	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF031B-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-010DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			308.701		
	2	8.96			165.889		
	3	9.28			296.822		
	4	9.81			185.101		
	5	10.74			281.178	247.538	
Column 2	1	8.94			164.781		
	2	9.3			279.429		
	3	9.47			294.853		
	4	9.89			513.636		
	5	10.2			547.323	360.004	45.43

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF032B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-007

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: X1120942.d

% Moisture: 20.9 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	140	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF032B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-007 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			138.384		
	2	8.95			93.1046		
	3	9.27			108.565		
	4	9.74			155.102		
	5	10.73			175.164	134.064	
Column 2	1	8.93			86.8425		
	2	9.3			101.687		
	3	9.46			126.785		
	4	9.88			209.597		
	5	10.19			189.824	142.947	6.63

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF034B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-005

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: X1120966.d

% Moisture: 20.8 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	160	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF034B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-005 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.48			61.9304		
	2	8.96			103.671		
	3	9.28			137.289		
	4	9.76			221.412		
	5	10.75			154.433	135.747	
Column 2	1	8.94			81.8982		
	2	9.31			113.067		
	3	9.48			146.405		
	4	9.89			226.934		
	5	10.21			249.86	163.633	20.54

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF035B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-001

Sample wt/vol: 15.29 (g/mL) gm

Lab File ID: X1120976.d

% Moisture: 19.1 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	57	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF035B

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-001
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.47			45.8538		
	2	8.95			35.7564		
	3	9.27			44.5986		
	4	9.8			35.5267		
	5	10.73			49.2654	42.2	
Column 2	1	8.93			35.771		
	2	9.3			43.3342		
	3	9.47			54.9523		
	4	9.88			76.7623		
	5	10.19			75.3261	57.229	35.61

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF036B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-002

Sample wt/vol: 15.65 (g/mL) gm

Lab File ID: X1120963.d

% Moisture: 22.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	1300	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF036B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-002 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			591.623		
	2	8.96			632.318		
	3	9.28			1027.41		
	4	9.75			1356.45		
	5	10.74			1267.11	974.982	
Column 2	1	8.94			581.118		
	2	9.3			876.826		
	3	9.47			1225.42		
	4	9.89			1631.42		
	5	10.2			2052.36	1273.429	30.61

At least three peaks for each column are required for identification of multicomoonent analytes.

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF036B-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-002DL

Sample wt/vol: 15.65 (g/mL) gm

Lab File ID: X1120937.d

% Moisture: 22.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	1100	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF036B-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-002DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			428.752		
	2	8.94			607.842		
	3	9.26			876.124		
	4	9.79			731.889		
	5	10.72			838.691	696.66	
Column 2	1	8.92			607.093		
	2	9.29			847.403		
	3	9.46			1169.89		
	4	9.87			1226.82		
	5	10.18			1561.49	1082.539	55.39

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF037B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-004

Sample wt/vol: 15.55 (g/mL) gm

Lab File ID: X1120965.d

% Moisture: 26.3 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	250	
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF037B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-004 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			275.324		
	2	8.96			161.014		
	3	9.28			230.651		
	4	9.81			143.062		
	5	10.74			227.98	207.606	
Column 2	1	8.94			141.431		
	2	9.3			199.513		
	3	9.47			180.275		
	4	9.89			351.472		
	5	10.2			387.737	252.086	21.42

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW054A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-008

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: X1120962.d

% Moisture: 21.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	460	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW054A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-008 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.48			452.505		
	2	8.96			283.185		
	3	9.28			424.421		
	4	9.76			577.98		
	5	10.75			282.335	404.085	
Column 2	1	8.94			267.39		
	2	9.31			373.2		
	3	9.48			325.087		
	4	9.9			648.64		
	5	10.21			694.753	461.814	14.29

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW054A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-008DL

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: X1120943.d

% Moisture: 21.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	400	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW054A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-008DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			805.004		
	2	8.95			289.821		
	3	9.27			367.239		
	4	9.8			261.548		
	5	10.75			180.272	380.777	
Column 2	1	8.94			296.494		
	2	9.3			372.87		
	3	9.47			325.759		
	4	9.89			490.801		
	5	10.2			513.32	399.849	5.01

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW055B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-006

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: X1120960.d

% Moisture: 16.9 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	300	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW055B

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-006
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			198.946		
	2	8.95			162.19		
	3	9.28			221.135		
	4	9.81			154.236		
	5	10.74			286.046	204.511	
Column 2	1	8.94			141.856		
	2	9.3			198.164		
	3	9.47			272.284		
	4	9.89			422.693		
	5	10.2			479.97	302.993	48.16

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW057C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-003

Sample wt/vol: 15.54 (g/mL) gm

Lab File ID: X1120964.d

% Moisture: 19.8 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW060A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-011

Sample wt/vol: 15.26 (g/mL) gm

Lab File ID: X1120949.d

% Moisture: 16.5 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	130	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW060A

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-011
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			117.04		
	2	8.95			76.3929		
	3	9.27			80.266		
	4	9.8			82.935		
	5	10.73			89.4028	89.207	
Column 2	1	8.93			68.7399		
	2	9.29			72.0394		
	3	9.46			130.065		
	4	9.88			186.34		
	5	10.19			175.01	126.439	41.74

At least three peaks for each column are required for identification of multicomponent analytes.

FORM X B

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW061A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-012

Sample wt/vol: 15.29 (g/mL) gm

Lab File ID: X1120950.d

% Moisture: 19.3 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	850	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW061A

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-012
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			1744.83		
	2	8.95			397.658		
	3	9.27			640.125		
	4	9.8			409.074		
	5	10.72			829.834	804.304	
Column 2	1	8.93			356.574		
	2	9.29			562.568		
	3	9.46			815.577		
	4	9.88			1267.29		
	5	10.19			1265.14	853.43	6.11

At least three peaks for each column are required for identification of multicomponent analytes.

FORM X B

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW061A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-012DL

Sample wt/vol: 15.29 (g/mL) gm

Lab File ID: X1120972.d

% Moisture: 19.3 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	800	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW061A-DL

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R033995
SDG No.: F21714
Lab Sample ID: F21714-012DL
Date Analyzed: 01/13/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.47			461.014		
	2	8.95			392.747		
	3	9.27			582.792		
	4	9.8			487.017		
	5	10.73			649.836	514.681	
Column 2	1	8.93			420.559		
	2	9.29			596.131		
	3	9.46			819.724		
	4	9.88			1072.67		
	5	10.19			1081.68	798.153	55.08

At least three peaks for each column are required for identification of multicomponent analytes.

FORM X B

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW062A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-013

Sample wt/vol: 15.48 (g/mL) gm

Lab File ID: X1120975.d

% Moisture: 14.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	6300	E
12672-29-6	AROCLOR-1248	41	U
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW062A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-013 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.12			2284.41		
	2	8.47			7996.77		
	3	8.69			2459.55		
	4	8.95			4631.45		
	5	9.27			8288.2	5132.076	
Column 2	1	8.17			1904.12		
	2	8.45			6494.38		
	3	9.25			131.821		
	4	9.82			11083.5		
	5	9.88			12062.4	6335.244	23.44

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW062A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-013DL

Sample wt/vol: 15.48 (g/mL) gm

Lab File ID: X1120973.d

% Moisture: 14.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	410	U
11104-28-2	AROCLOR-1221	410	U
11141-16-5	AROCLOR-1232	410	U
53469-21-9	AROCLOR-1242	7400	
12672-29-6	AROCLOR-1248	410	U
11097-69-1	AROCLOR-1254	410	U
11096-82-5	AROCLOR-1260	410	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW062A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-013DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.08			7045.29		
	2	8.47			6618.45		
	3	8.69			2437.81		
	4	8.95			4813.21		
	5	9.27			7360.42	5655.036	
Column 2	1	8.17			2516.81		
	2	8.45			6404.22		
	3	9.3			7214.57		
	4	9.82			10045.5		
	5	9.88			10752.2	7386.66	30.62

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD01070901

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-014

Sample wt/vol: 15.28 (g/mL) gm

Lab File ID: X1120974.d

% Moisture: 18.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	430	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
FD01070901

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-014 Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			204.625		
	2	8.95			200.365		
	3	9.27			320.448		
	4	9.81			186.436		
	5	10.74			397.442	261.863	
Column 2	1	8.94			185.615		
	2	9.3			285.502		
	3	9.47			416.431		
	4	9.89			594.644		
	5	10.2			660.403	428.519	63.64

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 1/26/2009 16:42

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD01070901-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21714

Run Sequence: R033995

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21714-014DL

Sample wt/vol: 15.28 (g/mL) gm

Lab File ID: X1120952.d

% Moisture: 18.6 Decanted: (Y/N) N

Date Collected: 01/07/2009

Extraction: (Type) PFEX

Date Extracted: 01/12/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/13/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	380	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
FD01070901-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R033995 SDG No.: F21714

Lab Sample ID: F21714-014DL Date Analyzed: 01/13/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			205.442		
	2	8.95			226.314		
	3	9.27			306.145		
	4	9.8			232.167		
	5	10.73			306.952	255.404	
Column 2	1	8.93			200.611		
	2	9.29			287.674		
	3	9.46			408.151		
	4	9.88			475.58		
	5	10.19			533.677	381.139	49.23

At least three peaks for each column are required for identification of multicomponent analytes.

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APPENDIX C

SUPPORT DOCUMENTATION

F21714

TETRA TECH NUS, INC. LS# 10053 CHAIN OF CUSTODY | NUMBER 4285 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC Crane	S. Ruffing	412-921-8989	Pace Analytical / Godinez-x Kara
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		J. Gould	412-921-8425	940 South Harney St
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex / 863125265256		Seattle, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs SW846-8082

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS		COMMENTS
7/7	1400	1350<F035B	F035B	2	4	SO	C	1	1	
	1405	1350<F036B	F36B	2	4		C	1	1	
	1425	1350<W057<	W57<	3	5		C	1	1	
	1440	1350<F037B	F37B	2	4		C	1	1	
	1410	1350<F034B	F34B	2	4		C	1	1	
	1440	1350<W055B	W55B	2	4		C	1	1	
	1455	1350<F032B	F32B	2	4		C	1	1	
	1515	1350<W054A	W54A	~~2~~ 0.2	2		C	3	3	MS/MSD
	1530	1350<F029A	F29A	0	2		C	1	1	
	1550	1350<F031B	F31B	2	4		C	1	1	
	1650	1350<W060A	W60A	0	2		C	1	1	
	1705	1350<W061A	W61A	0	2		C	1	1	
	1710	1350<W062A	W62A	0	2		C	1	1	Extract & Hold
↓	~~0000~~	FD01070901	QC	NA	NA	↓	-	1	1	

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
	7/9/09	0900		090110	100
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: Extract and hold sample 1350<W062A

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

LOCATION	13SOCF039	13SOCF040	13SOCF041
SAMPLE ID	13SOCF039A	13SOCF040A	13SOCF041A
SAMPLE DATE	20090115	20090115	20090115
SAMPLE CODE	NORMAL	NORMAL	NORMAL
MATRIX	SO	SO	SO
SAMPLE TYPE	NORMAL	NORMAL	NORMAL
SUBMATRIX	SB	SB	SB
TOP DEPTH	0	0	0
BOTTOM DEPTH	2	2	2
PESTICIDES/PCBS			
AROCLOR-1016	11 U	11 U	10 U
AROCLOR-1221	11 U	11 U	10 U
AROCLOR-1232	11 U	11 U	10 U
AROCLOR-1242	11 U	11 U	10 U
AROCLOR-1248	360 J	660 J	450
AROCLOR-1254	11 U	11 U	10 U
AROCLOR-1260	11 U	11 U	960
TOTAL AROCLOR	360	660	1410

13SOCF042		13SOCF043	13SOCF044
13SOCF042A	13SOCF042ARX	13SOCF043A	13SOCF044A
20090115	20090115	20090115	20090115
NORMAL	NORMAL	NORMAL	NORMAL
SO	SO	SO	SO
NORMAL	NORMAL	NORMAL	NORMAL
SB	SB	SB	SB
0	0	0	0
2	2	2	2
12 U	11 U	11 U	11 U
12 U	11 U	11 U	11 U
12 U	11 U	11 U	11 U
12 U	11 U	11 U	11 U
180 J	400 J	11 U	11 J
12 U	11 U	11 U	11 U
12 U	11 U	11 U	11 U
180	400	0 U	11

13SOCF045	13SOCF046		13SOCF047
13SOCF045A	13SOCF046A	13SOCF046ARX	13SOCF047A
20090115	20090115	20090115	20090115
NORMAL	NORMAL	NORMAL	NORMAL
SO	SO	SO	SO
NORMAL	NORMAL	NORMAL	NORMAL
SB	SB	SB	SB
0	0	0	0
2	2	2	2
11 U	10 U	10 U	11 U
11 U	10 U	10 U	11 U
11 U	10 U	10 U	11 U
11 U	10 U	10 U	11 U
33 J	10 U	27 J	36 J
11 U	10 U	10 U	11 U
11 U	10 U	10 U	11 U
33	0 U	27	36

13SOCF048 13SOCF048A 20090115 NORMAL SO NORMAL SB 0 2	13SOCF049 13SOCF049A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW063 13SOCW063A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW065A 20090115 ORIG SO NORMAL SB 0 2
11 U	11 U	11 U	10 U
11 U	11 U	11 U	10 U
11 U	11 U	11 U	10 U
11 U	11 U	11 U	10 U
11 U	11 U	510 J	270 J
11 U	11 U	11 U	10 U
11 U	11 U	11 U	10 U
0 U	0 U	510	270

13SOCW065		13SOCW066	13SOCW067
13SOCW065A-D	13SOCW065ARX	13SOCW066A	13SOCW067A
20090115	20090115	20090115	20090115
DUP	NORMAL	NORMAL	NORMAL
SO	SO	SO	SO
NORMAL	NORMAL	NORMAL	NORMAL
SB	SB	SB	SB
0	0	0	0
2	2	2	2
10 U	10 U	11 U	11 U
10 U	10 U	11 U	11 U
10 U	10 U	11 U	11 U
10 U	10 U	11 U	11 U
590 J	540 J	62	15 J
10 U	10 U	11 U	11 U
10 U	10 U	11 U	11 U
590	540	62	15

13SOCW068 13SOCW068A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW069 13SOCW069A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW070 13SOCW070A 20090115 NORMAL SO NORMAL SB 0 2
11 U	11 U	11 U
11 U	11 U	11 U
11 U	11 U	11 U
11 U	11 U	11 U
73	77 J	11 U
11 U	11 U	11 U
11 U	11 U	11 U
73	77	0 U

13SOCW068 13SOCW068A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW069 13SOCW069A 20090115 NORMAL SO NORMAL SB 0 2	13SOCW070 13SOCW070A 20090115 NORMAL SO NORMAL SB 0 2
11 U	11 U	11 U
11 U	11 U	11 U
11 U	11 U	11 U
11 U	11 U	11 U
73	77 J	11 U
11 U	11 U	11 U
11 U	11 U	11 U
73	77	0 U

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW063A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-001

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: X1190908.d

% Moisture: 17.6 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	630	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW063A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-001 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			458.927		
	2	8.95			433.726		
	3	9.27			575.584		
	4	9.8			251.481		
	5	10.73			392.28	422.4	
Column 2	1	8.93			418.373		
	2	9.3			530.806		
	3	9.46			645.544		
	4	9.88			744.805		59.7
	5	10.19			814.625	630.831	49 ~~34~~

MA 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW063A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-001DL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: X1190937.d

% Moisture: 17.6 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	43	U
12672-29-6	AROCLOR-1248	510	
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW063A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-001DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			343.622		
	2	8.95			378.147		
	3	9.26			465.182		
	4	9.8			259.102		
	5	10.72			265.237	342.258	
Column 2	1	8.93			378.111		
	2	9.29			466.401		
	3	9.46			544.981		
	4	9.87			545.995		39.4
	5	10.18			614.811	510.06	~~49.03~~

MR 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130SOCF039A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-002

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: X1190909.d

% Moisture: 16.4 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	410	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
130SOCF039A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-002 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			570.477		
	2	8.94			277.44		
	3	9.26			424.246		
	4	9.8			172.024		
	5	10.72			243.468	337.531	
Column 2	1	8.93			257.817		
	2	9.29			376.59		
	3	9.46			462.292		
	4	9.87			449.798		
	5	10.18			493.971	408.094	20.91

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

130SOCF039A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-002DL

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: X1190938.d

% Moisture: 16.4 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21	U
11104-28-2	AROCLOR-1221	21	U
11141-16-5	AROCLOR-1232	21	U
53469-21-9	AROCLOR-1242	21	U
12672-29-6	AROCLOR-1248	360	
11097-69-1	AROCLOR-1254	21	U
11096-82-5	AROCLOR-1260	21	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
130SOCF039A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-002DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			459.572		
	2	8.95			246.469		
	3	9.26			355.548		
	4	9.8			174.372		
	5	10.72			200.872	287.367	
Column 2	1	8.93			240.758		
	2	9.29			340.981		
	3	9.46			409.933		
	4	9.87			385.211		
	5	10.18			422.211	359.819	25.21

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF040A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-003

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: X1190945.d

% Moisture: 15.4 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	740	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF040A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-003 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			476.561		
	2	8.95			543.889		
	3	9.27			673.239		
	4	9.8			279.155		
	5	10.73			535.687	501.706	
Column 2	1	8.93			510.454		
	2	9.3			605.811		
	3	9.47			650.908		
	4	9.88			958.343		31.9
	5	10.19			989.768	743.057	~~48.11~~

MR 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

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AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF040A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-003DL

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: X1190948.d

% Moisture: 15.4 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	42	U
12672-29-6	AROCLOR-1248	660	
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	42	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF040A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-003DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			378.533		
	2	8.95			500.052		
	3	9.27			589.196		
	4	9.79			329.119		
	5	10.72			407.244	440.829	
Column 2	1	8.93			493.92		
	2	9.29			575.953		
	3	9.46			603.069		
	4	9.87			806.326		39.8
	5	10.18			818.582	659.57	~~49.62~~

MB 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF041A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-004

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: X1190910.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	540	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	1100	E

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF041A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-004 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			811.598		
	2	8.95			240.831		
	3	9.27			308.986		
	4	9.8			361.911		
	5	10.73			569.705	458.606	
Column 2	1	8.93			246.194		
	2	9.3			281.832		
	3	9.46			359.639		
	4	9.88			970.226		
	5	10.19			826.492	536.877	17.07
AROCLOR-1260 Column 1	1	10.98			724.062		
	2	11.37			925.393		
	3	11.94			1353.91		
	4	12.3			1221.07		
	5	13.16			1250.61	1095.009	
Column 2	1	11.03			671.621		
	2	11.32			836.769		
	3	11.96			1246.8		
	4	12.38			1081.77		
	5	13.25			1185.96	1004.584	9

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF041A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-004DL

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: X1190939.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	42	U
12672-29-6	AROCLOR-1248	450	
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	960	

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF041A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-004DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			627.553		
	2	8.95			245.544		
	3	9.27			266.4		
	4	9.8			381.752		
	5	10.72			446.88	393.626	
Column 2	1	8.93			235.754		
	2	9.29			262.462		
	3	9.46			324.85		
	4	9.88			776.922		
	5	10.19			672.452	454.488	15.46
AROCLOR-1260 Column 1	1	10.97			647.873		
	2	11.36			770.574		
	3	11.93			1203.03		
	4	12.29			1096.05		
	5	13.15			1076.62	958.829	
Column 2	1	11.02			627.849		
	2	11.31			747.059		
	3	11.94			1150.97		
	4	12.36			1023.71		
	5	13.23			1100.11	929.94	3.11

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW065A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-005

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: X1190911.d

% Moisture: 15.8 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	290	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW065A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-005 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.51			239.284		
	2	8.95			155.153		
	3	9.27			184.354		
	4	9.8			142.772		
	5	10.73			261.47	196.607	
Column 2	1	8.93			146.335		
	2	9.3			170.83		
	3	9.47			192.236		
	4	9.88			509.992		36.8
	5	10.19			409.27	285.733	45 ~~33~~

MT 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW065A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-005DL

Sample wt/vol: 15.39 (g/mL) gm

Lab File ID: X1190940.d

% Moisture: 15.8 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	21	U
11104-28-2	AROCLOR-1221	21	U
11141-16-5	AROCLOR-1232	21	U
53469-21-9	AROCLOR-1242	21	U
12672-29-6	AROCLOR-1248	270	P
11097-69-1	AROCLOR-1254	21	U
11096-82-5	AROCLOR-1260	21	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW065A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-005DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			197.117		
	2	8.95			141.435		
	3	9.27			166.549		
	4	9.8			127.901		
	5	10.72			200.698	166.74	
Column 2	1	8.93			146.099		
	2	9.29			168.429		
	3	9.46			189.724		
	4	9.88			460.936		46.1
	5	10.19			368.39	266.716	~~59.96~~

MR 2/3/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW065ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034239

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-005RX

Sample wt/vol: 15.68 (g/mL) gm

Lab File ID: X1220911.d

% Moisture: 15.8 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/20/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	1100	EP
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW065ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034239 SDG No.: F21715

Lab Sample ID: F21715-005RX Date Analyzed: 01/22/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			926.296		
	2	8.95			561.271		
	3	9.27			702.179		
	4	9.8			436.871		
	5	10.73			840.622	693.448	
Column 2	1	8.93			530.584		
	2	9.3			645.761		
	3	9.46			709.252		
	4	9.88			1851.02		42.9
	5	10.19			1621.72	1071.667	~~54.54~~

2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW065ARX-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034239

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-005RXDL

Sample wt/vol: 15.68 (g/mL) gm

Lab File ID: X1220907.d

% Moisture: 15.8 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/20/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	100	U
11104-28-2	AROCLOR-1221	100	U
11141-16-5	AROCLOR-1232	100	U
53469-21-9	AROCLOR-1242	100	U
12672-29-6	AROCLOR-1248	540	P
11097-69-1	AROCLOR-1254	100	U
11096-82-5	AROCLOR-1260	100	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW065ARX-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034239 SDG No.: F21715

Lab Sample ID: F21715-005RXDL Date Analyzed: 01/22/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			558.407		
	2	8.94			492.672		
	3	9.26			561.539		
	4	9.79			513.078		
	5	10.72			579.923	541.124	
Column 2	1	8.92			532.957		
	2	9.29			607.151		
	3	9.46			643.413		
	4	9.87			1340.46		45.8
	5	10.18			1187.95	862.386	59.37

2/12/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF042A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-006

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: X1190912.d

% Moisture: 22.7 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	180	P
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF042A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-006 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			170.836		
	2	8.95			102.474		
	3	9.26			169.573		
	4	9.79			75.4256		
	5	10.72			91.1	121.882	
Column 2	1	8.93			96.0219		
	2	9.29			159.762		
	3	9.46			186.041		
	4	9.87			226.251		40.5
	5	10.18			252.122	184.04	~~51~~

MA 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF042ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034239

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-006RX

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: X1220910.d

% Moisture: 22.7 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/20/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	770	EP
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF042ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034239 SDG No.: F21715

Lab Sample ID: F21715-006RX Date Analyzed: 01/22/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			580.175		
	2	8.95			375.732		
	3	9.26			661.77		
	4	9.8			316.984		
	5	10.72			452.973	477.527	
Column 2	1	8.93			362.582		
	2	9.29			619.64		
	3	9.46			670.356		
	4	9.87			1059.39		47.4
	5	10.18			1162.15	774.824	62.26

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF042ARX-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034239

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-006RXDL

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: X1220908.d

% Moisture: 22.7 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/20/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	46	U
11104-28-2	AROCLOR-1221	46	U
11141-16-5	AROCLOR-1232	46	U
53469-21-9	AROCLOR-1242	46	U
12672-29-6	AROCLOR-1248	400	P
11097-69-1	AROCLOR-1254	46	U
11096-82-5	AROCLOR-1260	46	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF042ARX-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034239 SDG No.: F21715

Lab Sample ID: F21715-006RXDL Date Analyzed: 01/22/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.49			445.791		
	2	8.94			363.492		
	3	9.25			555.1		
	4	9.78			313.526		
	5	10.71			314.848	398.551	
Column 2	1	8.92			352.53		
	2	9.28			566.034		
	3	9.45			605.946		
	4	9.87			816.238		47.6
	5	10.18			898.318	647.813	~~62.54~~

MK 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW066A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-007

Sample wt/vol: 15.53 (g/mL) gm

Lab File ID: X1190913.d

% Moisture: 19.5 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	62	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW066A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-007 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			72.3553		
	2	8.95			44.7848		
	3	9.27			56.7188		
	4	9.8			38.134		
	5	10.72			37.3527	49.869	
Column 2	1	8.93			38.0928		
	2	9.29			52.8118		
	3	9.46			54.9281		
	4	9.88			83.1332		
	5	10.18			79.3896	61.671	23.67

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF043A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-008

Sample wt/vol: 15.29 (g/mL) gm

Lab File ID: X1190914.d

% Moisture: 17.5 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF044A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-009

Sample wt/vol: 15.61 (g/mL) gm

Lab File ID: X1190915.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/19/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	J
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF044A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-009 Date Analyzed: 01/19/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			21.5623		
	2	8.95			10.5467		
	3	9.27			10.5467		
	4	9.75			10.5467		
	5	10.73			13.3466	10.704	
Column 2	1	8.93			10.5467		
	2	9.29			10.5467		
	3	9.46			10.584		
	4	9.88			15.1861		
	5	10.19			13.5716	10.449	2.44

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW067A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-010

Sample wt/vol: 15.62 (g/mL) gm

Lab File ID: X1190919.d

% Moisture: 18.2 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	15	J
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW067A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-010 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			31.2161		
	2	8.94			10.5657		
	3	9.26			10.5657		
	4	9.79			10.5657		
	5	10.72			18.8127	14.923	
Column 2	1	8.92			10.5657		
	2	9.29			10.5657		
	3	9.46			15.1666		
	4	9.87			23.1198		
	5	10.19			16.7399	14.505	2.88

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF045A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-011

Sample wt/vol: 15.37 (g/mL) gm

Lab File ID: X1190920.d

% Moisture: 17.8 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	33	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF045A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-011 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			47.4794		
	2	8.94			25.5796		
	3	9.26			26.9948		
	4	9.79			16.245		
	5	10.72			14.8485	26.229	
Column 2	1	8.93			24.0165		
	2	9.29			29.5311		
	3	9.46			33.3546		
	4	9.87			39.1824		
	5	10.18			40.2714	33.271	26.85

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW068A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-012

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: X1190921.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	73	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW068A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-012 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			135.431		
	2	8.95			57.4726		
	3	9.26			70.8344		
	4	9.79			35.5371		
	5	10.72			29.4349	65.742	
Column 2	1	8.93			48.6334		
	2	9.29			68.6684		
	3	9.46			77.6342		
	4	9.87			82.117		
	5	10.18			86.7189	72.754	10.67

At least three peaks for each column are required for identification of multicomponent analytes.

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FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF046A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-013

Sample wt/vol: 15.5 (g/mL) gm

Lab File ID: X1190922.d

% Moisture: 14.9 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF046ARX

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034239

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-013RX

Sample wt/vol: 15.37 (g/mL) gm

Lab File ID: X1220909.d

% Moisture: 14.9 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/20/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	27	P
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF046ARX

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034239 SDG No.: F21715

Lab Sample ID: F21715-013RX Date Analyzed: 01/22/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			13.8079		
	2	8.95			19.8159		
	3	9.27			17.3165		
	4	9.8			10.3212		
	5	10.73			200.564	52.056	
Column 2	1	8.93			11.282		
	2	9.29			16.7811		
	3	9.46			15.4737		
	4	9.88			34.234		65.1
	5	10.21			54.8412	26.522	~~96.27~~

MT 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF047A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-014

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: X1190923.d

% Moisture: 19.4 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	36	P
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF047A

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-014 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			28.7442		
	2	8.95			20.9205		
	3	9.27			20.7109		
	4	9.8			17.6772		
	5	10.73			26.8531	22.981	
Column 2	1	8.93			19.7454		
	2	9.3			21.0042		
	3	9.46			27.3891		
	4	9.88			63.8455		44.1
	5	10.19			48.1762	36.032	~~56~~.79

MT 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW069A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-015

Sample wt/vol: 15.02 (g/mL) gm

Lab File ID: X1190924.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	77	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW069A

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R034170
SDG No.: F21715
Lab Sample ID: F21715-015
Date Analyzed: 01/20/2009
Instrument ID (1): HP6890X
Instrument ID (2): HP6890X
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			84.7216		
	2	8.95			50.5516		
	3	9.27			60.1195		
	4	9.8			37.7118		
	5	10.72			49.8494	56.591	
Column 2	1	8.93			48.6837		
	2	9.3			60.7909		
	3	9.46			63.1199		
	4	9.88			113.09		
	5	10.19			100.732	77.283	36.57

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF048A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-016

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: X1190925.d

% Moisture: 19.2 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW070A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-017

Sample wt/vol: 15.63 (g/mL) gm

Lab File ID: X1190926.d

% Moisture: 21.2 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF049A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-018

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: X1190927.d

% Moisture: 21.6 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD01150901

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-019

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: X1190928.d

% Moisture: 15.2 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	630	EP
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
FD01150901

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-019 Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			521.514		
	2	8.95			335.716		
	3	9.27			400.215		
	4	9.8			262.673		
	5	10.72			523.157	408.655	
Column 2	1	8.93			314.496		
	2	9.29			357.298		
	3	9.46			387.507		
	4	9.88			1180.59		43.0
	5	10.19			924.252	632.829	~~54.86~~

2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

FD01150901-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21715

Run Sequence: R034170

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21715-019DL

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: X1190941.d

% Moisture: 15.2 Decanted: (Y/N) N

Date Collected: 01/15/2009

Extraction: (Type) PFEX

Date Extracted: 01/19/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/20/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	590	P
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
FD01150901-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034170 SDG No.: F21715

Lab Sample ID: F21715-019DL Date Analyzed: 01/20/2009

Instrument ID (1): HP6890X Instrument ID (2): HP6890X

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	8.5			400.522		
	2	8.95			310.538		
	3	9.26			348.065		
	4	9.79			278.838		
	5	10.72			427.4	353.073	
Column 2	1	8.93			325.151		
	2	9.29			361.6		
	3	9.46			387.282		
	4	9.87			1039.37		
	5	10.18			819.448	586.57	~~66.13~~ 49.8

MF 2/2/09

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/2/2009 14:15

FORM X B

APPENDIX C

SUPPORT DOCUMENTATION

LSA 10184
SDG: F01715

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 4286

PAGE 1 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC CRANE	S. RUFFING	(412) 921-8989	PACE ANALYTICAL / KARA GODINEAUX
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		B. COLLINS	(412) 921-9250	940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX / 8631 2526 5278		SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCB's GW846-8082

	DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	COMMENTS
	01/15	~~1530~~	~~13SOCF030A~~ TSC	SECTION 1	0	2	SO	C		
1		1540	13SOCW063A	SECTION 1						
2		1755	13SOCF039A	SECTION 1						
		~~1550~~	~~13SOCW064A~~ TSC	~~SECTION 1~~						
3		1601	13SOCF040A	SECTION 1						
4		1608	13SOCF041A	SECTION 2						
5		1615	13SOCW065A •							
6		1750	13SOCF042A •							
7		1622	13SOCW066A •							
8		1630	13SOCF043A •	SECTION 2						
9		1645	13SOCF044A •	SECTION 3					3	MS/MSD
10		1702	13SOCW067A •							
11		1800	13SOCF045A •							

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	1/7/09	10:30	1. RECEIVED BY	1/9/09	915
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S.RUFFING**	**DATE:**	**APRIL 27th , 2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SDG – F21716

SAMPLES: 10/soil/PCB:
13SO2CF051C 13SOCF051C 13SOCF052C 13SOCF053B
13SOCF054B 13SOCW071C 13SOCW072C 13SOCW073A
13SOCW074B 13SOF050C

Overview

The sample set for CTO F271; NSWC Crane, SDG F21716 consists of 10 soil environmental samples. The samples were analyzed for polychlorinated biphenyls.

The samples were collected by TetraTech NUS on January 22, 2009 and analyzed by Pace Analytical Services. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Methods 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Instrument performance and tuning
• Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
• Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
* • Field Duplicate Results
* • Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

The following samples had a percent difference between columns greater than the quality control limit of 25%:

Sample	Analyte	%Difference
13SO2CF51C	Arcolor 1248	32.85
13SOCF051C-DL	Arcolor 1248	81.79
13SOCF053B	Arcolor 1248	46.88
13SOCW071C-DL	Arcolor 1242	29.91
13SOCW072C	Arcolor 1248	134
13SOCW074B	Arcolor 1248	32.34

Positive results in the samples were qualified as estimated (J).

Samples 13SOCW053B and 13SO2CF051C had marginally low percent recoveries for surrogate decachlorobiphenyl (DCB). The positive and non-detected results were qualified as estimated (J) and (UJ) respectively.

Notes:

The following samples were diluted to bring target compounds within linear calibration range:

Sample	Dilution Factor	Analyte
13SOCF051C-DL	10x	Arcolor 1248
13SOCW071C	4X	Arcolor 1242
13SOCW071C-DL	40X	Arcolor 1242
13SOCW073A	200X	Arcolor 1248
13SOCW073A-DL	4000X	Arcolor 1248

The matrix spike and matrix spike duplicate for sample 13SOCW073A had percent recoveries greater than the quality control limits for Arcolor 1016 and Arcolor 1260 No validation actions were required as the sample results were non-detects.

Samples 13SOCW071C-DL, 13SOCW073A, and 13SOCW073A-DL had poor surrogate recoveries due to dilution and matrix interference. No validation action was warranted.

Executive Summary

Laboratory Performance: The surrogate recoveries for several samples were below the quality control limits.

Other Factors Affecting Data Quality: The %D between columns for >25% for several samples.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573 SDG: F21716 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SO2CF051C			13SOCF051C			13SOCF051C-DL			13SOCF052C		
	LAB_ID	F21716-008			F21716-007			F21716-007DL			F21716-006		
	SAMP_DATE	1/22/2009			1/22/2009			1/22/2009			1/22/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	78.0			78.0			78.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	UJ	R	11	U					10	U	
AROCLOR-1221		11	UJ	R	11	U					10	U	
AROCLOR-1232		11	UJ	R	11	U					10	U	
AROCLOR-1242		11	UJ	R	11	U					10	U	
AROCLOR-1248		230	J	RU				3100	J	U	140		
AROCLOR-1254		11	UJ	R	11	U					10	U	
AROCLOR-1260		11	UJ	R	11	U					10	U	

PROJ_NO: 01573	NSAMPLE	13SOCF053B			13SOCF054B			13SOCW071C			13SOCW071C-DL		
SDG: F21716	LAB_ID	F21716-002			F21716-004			F21716-009			F21716-009DL		
FRACTION: PEST/PCB	SAMP_DATE	1/22/2009			1/22/2009			1/22/2009			1/22/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			84.0			81.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	UJ	R	11	U		44	U				
AROCLOR-1221		11	UJ	R	11	U		44	U				
AROCLOR-1232		11	UJ	R	11	U		44	U				
AROCLOR-1242		11	UJ	R	11	U					8500	J	U
AROCLOR-1248		280	J	RU	200			44	U				
AROCLOR-1254		11	UJ	R	11	U		44	U				
AROCLOR-1260		11	UJ	R	11	U		44	U				

PROJ_NO: 01573	NSAMPLE	13SOCW072C			13SOCW073A			13SOCW073A-DL			13SOCW074B		
SDG: F21716	LAB_ID	F21716-005			F21716-001			F21716-001DL			F21716-003		
FRACTION: PEST/PCB	SAMP_DATE	1/22/2009			1/22/2009			1/22/2009			1/22/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			89.0			89.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		2000	U					11	U	
AROCLOR-1221		11	U		2000	U					11	U	
AROCLOR-1232		11	U		2000	U					11	U	
AROCLOR-1242		11	U		2000	U					11	U	
AROCLOR-1248		57	J	U				420000			310	J	U
AROCLOR-1254		11	U		2000	U					11	U	
AROCLOR-1260		11	U		2000	U					11	U	

PROJ_NO: 01573	NSAMPLE	13SOFO50C		
SDG: F21716	LAB_ID	F21716-010		
FRACTION: PEST/PCB	SAMP_DATE	1/22/2009		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	84.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		11	U	
AROCLOR-1221		11	U	
AROCLOR-1232		11	U	
AROCLOR-1242		11	U	
AROCLOR-1248		62		
AROCLOR-1254		11	U	
AROCLOR-1260		11	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SO2CF051C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-008

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: Q1260941.d

% Moisture: 21.5 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	230	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SO2CF051C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-008 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			140.185		
	2	10.68			257.31		
	3	11.36			143.638		
	4	12.31			129.009		
	5	12.72			193.614	172.751	
Column 2	1	10.83			195.753		
	2	11.26			240.591		
	3	11.46			264.831		
	4	11.85			136.013		
	5	11.93			310.284	229.494	32.85

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF051C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-007

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: Q1260925.d

% Moisture: 21.7 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	3300	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF051C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-007 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			1264.04		
	2	10.68			6698.8		
	3	11.36			2333.7		
	4	12.3			2593.7		
	5	12.72			3430	3264.048	
Column 2	1	10.84			5231.81		
	2	11.27			6354.25		
	3	11.46			6936.49		
	4	11.85			2119		
	5	11.93			7000.69	5528.448	69.37

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF051C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-007DL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: Q2020906.d

% Moisture: 21.7 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 02/02/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	110	U
11104-28-2	AROCLOR-1221	110	U
11141-16-5	AROCLOR-1232	110	U
53469-21-9	AROCLOR-1242	110	U
12672-29-6	AROCLOR-1248	3100	
11097-69-1	AROCLOR-1254	110	U
11096-82-5	AROCLOR-1260	110	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF051C-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-007DL Date Analyzed: 02/02/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			1331.55		
	2	10.68			6960.27		
	3	11.35			1923.09		
	4	12.3			2281.85		
	5	12.72			2961.02	3091.556	
Column 2	1	10.83			5249.4		
	2	11.26			6495.33		
	3	11.46			7138.14		
	4	11.85			2005.81		
	5	11.92			7211.34	5620.004	81.79

At least three peaks for each column are required for identification of multicomoonent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF052C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-006

Sample wt/vol: 15.01 (g/mL) gm

Lab File ID: Q1260940.d

% Moisture: 14.3 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	140	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF052C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-006 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.75			73.0784		
	2	10.68			120.695		
	3	11.36			68.8369		
	4	12.29			309.912		
	5	12.72			132.033	140.911	
Column 2	1	10.84			97.9635		
	2	11.26			119.765		
	3	11.46			158.21		
	4	11.85			66.354		
	5	11.93			171.113	122.681	14.86

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF053B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-002

Sample wt/vol: 15.11 (g/mL) gm

Lab File ID: Q1260952.d

% Moisture: 17.5 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	280	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF053B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-002 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			77.9265		
	2	10.68			323.799		
	3	11.36			125.108		
	4	12.3			200.287		
	5	12.72			229.364	191.297	
Column 2	1	10.84			220.142		
	2	11.26			303.885		
	3	11.46			380.676		
	4	11.85			122.27		
	5	11.93			377.915	280.978	46.88

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF054B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-004

Sample wt/vol: 15.17 (g/mL) gm

Lab File ID: Q1260922.d

% Moisture: 16.3 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	200	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCF054B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-004 Date Analyzed: 01/26/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	10.68			210.577		
	2	11.36			150.166		
	3	12.31			135.09		
	4	12.73			179.485		
	5	13.14			253.122	185.688	
Column 2	1	10.84			151.195		
	2	11.27			191.14		
	3	11.46			205.765		
	4	11.85			126.355		
	5	11.93			309.608	196.813	5.99

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW071C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-009

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: Q1260942.d

% Moisture: 19.1 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	44	U
11104-28-2	AROCLOR-1221	44	U
11141-16-5	AROCLOR-1232	44	U
53469-21-9	AROCLOR-1242	8300	E
12672-29-6	AROCLOR-1248	44	U
11097-69-1	AROCLOR-1254	44	U
11096-82-5	AROCLOR-1260	44	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW071C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-009 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.27			4364.75		
	2	8.97			11380.9		
	3	10.01			249.862		
	4	10.68			5423.98		
	5	11.4			11264.2	6536.738	
Column 2	1	9.93			786.235		
	2	10.3			18209		
	3	11.26			5072.78		
	4	11.93			10665.7		
	5	12.28			6906.8	8328.103	27.4

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW071C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-009DL

Sample wt/vol: 15.18 (g/mL) gm

Lab File ID: Q2040916.d

% Moisture: 19.1 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 02/05/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	440	U
11104-28-2	AROCLOR-1221	440	U
11141-16-5	AROCLOR-1232	440	U
53469-21-9	AROCLOR-1242	8500	
12672-29-6	AROCLOR-1248	440	U
11097-69-1	AROCLOR-1254	440	U
11096-82-5	AROCLOR-1260	440	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW071C-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-009DL Date Analyzed: 02/05/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1242 Column 1	1	8.27			4961.19		
	2	8.96			11969.3		
	3	10			439.717		
	4	10.68			5596.79		
	5	11.4			9788.53	6511.991	
Column 2	1	9.92			1209.36		
	2	10.29			19194.4		
	3	11.26			5753.77		
	4	11.92			9737.6		
	5	12.27			6403.81	8459.788	29.91

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW072C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-005

Sample wt/vol: 15.06 (g/mL) gm

Lab File ID: Q1260939.d

% Moisture: 17.2 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	57	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW072C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-005 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.76			155.93		
	2	10.68			58.8582		
	3	11.36			42.4493		
	4	12.29			341.066		
	5	12.72			67.1227	133.085	
Column 2	1	10.84			46.4624		
	2	11.27			57.3733		
	3	11.46			62.1098		
	4	11.85			40.3438		
	5	11.93			78.0738	56.873	134.0

At least three peaks for each column are required for identification of multicomponent analytes.

FORM X B

Date Printed: 2/6/2009 12:02

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW073A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-001

Sample wt/vol: 15.01 (g/mL) gm

Lab File ID: Q1260937.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2000	U
11104-28-2	AROCLOR-1221	2000	U
11141-16-5	AROCLOR-1232	2000	U
53469-21-9	AROCLOR-1242	2000	U
12672-29-6	AROCLOR-1248	300000	E
11097-69-1	AROCLOR-1254	2000	U
11096-82-5	AROCLOR-1260	2000	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW073A

Lab Name: Pace Analytical Services, Inc.
Contract:
Run Sequence: R034365
SDG No.: F21716
Lab Sample ID: F21716-001
Date Analyzed: 01/27/2009
Instrument ID (1): HP6890Q
Instrument ID (2): HP6890Q
GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.75			736256		
	2	10.68			281798		
	3	11.36			275670		
	4	12.31			84755.3		
	5	12.73			104040	296503.8	
Column 2	1	10.84			179734		
	2	11.27			269870		
	3	11.46			280897		
	4	11.85			251081		
	5	11.93			285499	253416.2	17

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW073A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-001DL

Sample wt/vol: 15.01 (g/mL) gm

Lab File ID: Q1260951.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4000.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	40000	U
11104-28-2	AROCLOR-1221	40000	U
11141-16-5	AROCLOR-1232	40000	U
53469-21-9	AROCLOR-1242	40000	U
12672-29-6	AROCLOR-1248	420000	
11097-69-1	AROCLOR-1254	40000	U
11096-82-5	AROCLOR-1260	40000	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW073A-DL

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-001DL Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			1.02514e+		
	2	10.68			402433		
	3	11.36			375259		
	4	12.31			122788		
	5	12.73			150321	415188.2	
Column 2	1	10.84			279912		
	2	11.27			380972		
	3	11.46			407578		
	4	11.85			347896		
	5	11.93			383127	359897	15.36

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW074B

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-003

Sample wt/vol: 15.25 (g/mL) gm

Lab File ID: Q1260938.d

% Moisture: 16.2 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	310	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOCW074B

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-003 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.74			155.702		
	2	10.68			327.973		
	3	11.35			176.37		
	4	12.3			218.189		
	5	12.72			291.032	233.853	
Column 2	1	10.83			256.226		
	2	11.26			317.837		
	3	11.46			348.196		
	4	11.85			170.203		
	5	11.92			454.899	309.472	32.34

At least three peaks for each column are required for identification of multicomponent analytes.

Date Printed: 2/6/2009 12:02

FORM X B

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF050C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21716

Run Sequence: R034365

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21716-010

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: Q1260931.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 01/22/2009

Extraction: (Type) PFEX

Date Extracted: 01/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 01/27/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	62	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

10 B
AROCLOR IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE NO.
13SOFO50C

Lab Name: Pace Analytical Services, Inc. Contract:

Run Sequence: R034365 SDG No.: F21716

Lab Sample ID: F21716-010 Date Analyzed: 01/27/2009

Instrument ID (1): HP6890Q Instrument ID (2): HP6890Q

GC Column (1): RTX-CLP ID: 0.32 (mm) GC Column (2): RTX-CLPII ID: 0.32 (mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION PEAK	CONCENTRATION MEAN	%D
AROCLOR-1248 Column 1	1	9.75			42.672		
	2	10.68			42.6994		
	3	11.36			55.2475		
	4	12.3			88.8248		
	5	12.73			80.9194	62.073	
Column 2	1	10.84			41.841		
	2	11.27			42.9274		
	3	11.46			52.3783		
	4	11.85			54.4593		
	5	11.93			96.929	57.707	7.57

At least three peaks for each column are required for identification of multicomponent analytes.

FORM X B

Date Printed: 2/6/2009 12:02

APPENDIX C

SUPPORT DOCUMENTATION

F21716
LS# 10275

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 4292

PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER: S. RUFFING	PHONE NUMBER: (412) 921-8989
SAMPLERS (SIGNATURE):		FIELD OPERATIONS LEADER: J. GOERDT	PHONE NUMBER: (412) 921-7090
		CARRIER/WAYBILL NUMBER: FEDEX / 8631 2526 5360	

LABORATORY NAME AND CONTACT: PACE ANALYTICAL / KARA GODINEAUX
ADDRESS: 940 SOUTH HARNEY STREET
CITY, STATE: SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCBs SW846-8082

	DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW846-8082	COMMENTS
1	01/22	1145	13SOCW073A	B166	0	2	SO	C	1	1	
2		1630	13SOCF053B	B171 WEST	2	4	SO	C	1	1	
3		1645	13SOCW074B	B171 WEST	2	4	SO	C	1	1	
4		1745	13SOCF054B	B171 WEST	2	4		C	1	1	
5		1515	13SOCW072C	B171 EAST	3	5		C	1	1	
6		1530	13SOCF052C	B171 EAST	3	5		C	1	1	
7		1540	13SOCF051C	B171 EAST	3	5		C	1	1	
8		1540	13SO2CF051C	B171 EAST	3	5		C	1	1	
9		1550	13SOCW071C	B171 EAST	3	5		C	1	1	
10		1600	13SOFO50C	B171 EAST	3	5		C	1	1	

1. RELINQUISHED BY	DATE 1-23-09	TIME 1730	1. RECEIVED BY Pace	DATE 1/24/09	TIME 1130
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**MAY1 ,2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION –PCB CTO F271, NSWC CRANE SAMPLE DELIVERY GROUP (SDG) – F21717**		
SAMPLES:	2/soil: 13SOF055BD 13SOW075AD 6/wipes 13WP010A 13WP011A 13WP012A 13WP013A 13WP014A 13WP015A		

Overview

The sample set for CTO F271; NSWC Crane, SDG F21717 consists of 2 soil environmental samples and 6 wipes. The samples were analyzed for Polychlorinated Biphenyl Aroclors.

The samples were collected by TetraTech NUS on February 5, 2009 and analyzed by PACE Analytical Services Inc. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

- Data Completeness
- * Holding Times
- * Initial and Continuing Calibrations
- * Laboratory Method Blank Analyses
- * Surrogate Recoveries
- * Laboratory Control Sample Results
- * Matrix Spike/ Matrix Spike Duplicate Results
- * Detection Limits
- * Compound Identification
- Compound Quantification

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

All data was within quality control limits.

Notes:

The continuing calibration performed on instrument 6890x column CLP1 on 2/7/2009 at 16:01 had a percent difference greater than the 20% quality control limit for Aroclor 1248. Samples 13SOF055BD and 13SOW075AD were affected. No validation action was warranted as sample results were calculated from column CLP2.

Surrogate recoveries were reported from column 1 only. All recoveries were compliant. No validation action was taken and this item is noted for completeness.

Samples 13SOF055BD and 13SOW075AD (for PCB) were originally calculated without adjusting for percent solids. We contacted the lab and they issued revised form 1s and validator made adjustments to data validation forms.

Executive Summary

Laboratory Performance: Minor calibration non-conformances were noted. Percent solid values were not used when originally calculating PCB results for 13SOF055BD and 13SOW075AD. The lab was contacted and appropriate changes were made.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM "

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Appendix A

Qualified Analytical Results

PROJ_NO: 01573	NSAMPLE	13SOF055BD			13SOW075AD		
SDG: F21717	LAB_ID	F21717-001			F21717-002		
FRACTION: PEST/PCB	SAMP_DATE	2/5/2009			2/5/2009		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	86.0			86.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		10 ~~9~~	U		10 ~~8.9~~	U	
AROCLOR-1221		10 ~~9~~	U		10 ~~8.9~~	U	
AROCLOR-1232		10 ~~9~~	U		10 ~~8.9~~	U	
AROCLOR-1242		10 ~~9~~	U		10 ~~8.9~~	U	
AROCLOR-1248		99 ~~86~~			10 ~~8.9~~	U	
AROCLOR-1254		10 ~~9~~	U		10 ~~8.9~~	U	
AROCLOR-1260		10 ~~9~~	U		10 ~~8.9~~	U	
		MMC 5/5/09			MMC 5/5/09		

PROJ_NO: 01573	NSAMPLE	13WP010A			13WP011A			13WP012A			13WP013A		
SDG: F21717	LAB_ID	F21717-003			F21717-004			F21717-005			F21717-006		
FRACTION: PEST/PCB	SAMP_DATE	2/5/2009			2/5/2009			2/5/2009			2/5/2009		
MEDIA: WIPE	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/WI			UG/WI			UG/WI			UG/WI		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1221		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1232		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1242		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1248		12			4.2			3.9			2.3		
AROCLOR-1254		0.5	U		0.5	U		0.5	U		0.5	U	
AROCLOR-1260		0.5	U		0.5	U		0.5	U		0.5	U	

PROJ_NO: 01573	NSAMPLE	13WP014A			13WP015A		
SDG: F21717	LAB_ID	F21717-007			F21717-008		
FRACTION: PEST/PCB	SAMP_DATE	2/5/2009			2/5/2009		
MEDIA: WIPE	QC_TYPE	NM			NM		
	UNITS	UG/WI			UG/WI		
	PCT_SOLIDS						
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.5	U		0.5	U	
AROCLOR-1221		0.5	U		0.5	U	
AROCLOR-1232		0.5	U		0.5	U	
AROCLOR-1242		0.5	U		0.5	U	
AROCLOR-1248		0.5	U		0.5	U	
AROCLOR-1254		0.5	U		0.5	U	
AROCLOR-1260		0.5	U		0.5	U	

Appendix B

Results as Reported by the Laboratory

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOF055BD

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034670

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21717-001

Sample wt/vol: 15.02 (g/mL) gm

Lab File ID: X2070918.d

% Moisture: 13.5 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) PFEX

Date Extracted: 02/06/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	99	
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOW075AD

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034670

Matrix: (SOIL/WATER) Soil

Lab Sample ID: F21717-002

Sample wt/vol: 15.19 (g/mL) gm

Lab File ID: X2070919.d

% Moisture: 13.8 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) PFEX

Date Extracted: 02/06/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	10	U
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP010A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-003

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070925.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	12	
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP011A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-004

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070926.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	4.2	
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP012A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-005

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070927.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	3.9	
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP013A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-006

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070928.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/07/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	2.3	
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP014A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-007

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070929.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/08/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13WP015A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: F21717

Run Sequence: R034671

Matrix: (SOIL/WATER) Material

Lab Sample ID: F21717-008

Sample wt/vol: 1.00 (g/mL) wipe

Lab File ID: X2070930.d

% Moisture: 0.0 Decanted: (Y/N) N

Date Collected: 02/05/2009

Extraction: (Type) CONT

Date Extracted: 02/06/2009

Concentrated Extract Volume: 20000.0(uL)

Date Analyzed: 02/08/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/wi	Q
12674-11-2	AROCLOR-1016	0.50	U
11104-28-2	AROCLOR-1221	0.50	U
11141-16-5	AROCLOR-1232	0.50	U
53469-21-9	AROCLOR-1242	0.50	U
12672-29-6	AROCLOR-1248	0.50	U
11097-69-1	AROCLOR-1254	0.50	U
11096-82-5	AROCLOR-1260	0.50	U

Comments:

Appendix C

Support Documentation

LSII 10436

TETRA TECH NUS, INC. SDG: F21717 CHAIN OF CUSTODY | NUMBER 4294 | PAGE 1 OF 1

8

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G-Ø1573	NSWC CRANE	S. RUFFING	(412) 921-8989	PACE ANALYTICAL / KARA GODINEAUX
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		J. FLOYD	(502) 693-1417	940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX / 8631 2526 5315		SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: ICE (4°C)

TYPE OF ANALYSIS: PCB's SW846-8082

	DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's SW846-8082	COMMENTS
1	02/05	1130	13SOFØ55BD	B171 EAST	4	6	SO	G	1	1	
2		1145	13SOWØ75AD	B171 EAST	4	6	SO		1	1	
3		1230	13WPØ1Ø A	B171 EAST	NA	NA	WP		1	1	WIPE SAMPLES
4		1245	13WPØ11 A	B171 EAST					1	1	
5		1255	13WPØ12 A	B171 WEST					1	1	
6		1300	13WPØ13 A	B171 WEST					1	1	
7		1330	13WPØ14 A	B169 EAST					1	1	
8		1345	13WPØ15 A	B169 EAST					1	1	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	02/05/09	2000	1. RECEIVED BY	2/6/09	835
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 18, 2009**
FROM:	**JENNIFER R. CARDINAL**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB CTO F271, NSWC CRANE SDG TT46709**		
SAMPLES:	5 / Soils		

13SOCF056C 13SOCW076A 13SOCW077A 13SOCW078A
13SOCW079A

OVERVIEW

The sample set for CTO F271; NSWC Crane, SDG TT46709 consists of five (5) soil environmental samples. The samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on June 8, 2009 and analyzed by Pace Analytical Services, Inc. All analyses were conducted using USEPA SW 846 Method 8082. The data contained in this SDG were validated with regard to the following parameters:

- Data Completeness
- * Holding Times
- * Initial and Continuing Calibration
- * Laboratory Method/Preparation Blank Analyses
- Surrogate Recoveries
- * Blank Spike Results
- Matrix Spike/Matrix Spike Duplicate Results
- * Percent Solids
- * Detection Limits
- * Compound Quantitation
- * Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Data Completeness

On August 3, 2009 the laboratory clarified that the Form 10s in the PCB data package show the calculation of percent difference using the lower of the two concentrations in the denominator of the calculation. The relative percent difference (RPD) between the dual column results for all samples were calculated.

On August 4, 2009 the laboratory provided a CLP-like run analytical sequence form for the PCB analysis. Due to software limitations, the CCVs were not included on the form. However, the laboratory bench sheets provided a sequence including the initial and continuing calibrations.

For the diluted samples 13SOCF056C and 13SOCW078A the surrogate decachlorobiphenyl result was not provided for one column in the raw data. On August 4, 2009 and August 11, 2009 the laboratory clarified that, due to software limitations, the DCB peaks were not integrated. This is associated with the 20x or greater dilutions of the samples. Since the other sample run reported both surrogates for both columns so no further action was taken.

On August 4 and 5, 2009 the laboratory provided a sample surrogate recovery calculation and clarification.

Surrogate Recoveries

The surrogate decachlorobiphenyl had a high recovery (above the 125% control limit) for the diluted analysis of sample 13SOCF056C. The positive Aroclor-1242 result in sample 13SOCF056C was qualified as estimated "J", due to a high surrogate recovery.

Matrix Spike/Matrix Spike Duplicate Results

The matrix spike / matrix spike duplicate (MS/MSD) performed on sample 13SOCW079A had percent recoveries greater than the quality control limits for Aroclor-1016. No action was taken on this basis because Aroclor-1016 was not detected in the sample.

Notes

Most samples required a dilution since the concentration for Aroclor-1242 or Aroclor-1248 was greater than the linear calibration range of the instrument. All other results were reported from the undiluted analysis.

The following list summarizes the dilution factor of each diluted sample in this SDG as reported on the laboratory Form 1 reports:

Dilution Factor	Sample ID
40x	13SOCF056C-DL
10x	13SOCW076A-DL
10x	13SOCW077A-DL
40x	13SOCW078A-DL
4x	13SOCW079A-DL

EXECUTIVE SUMMARY

Laboratory Performance Issues: Surrogate non-compliances resulted in qualification of select data.

Other Factors Affecting Data Quality: None.

TO: S. RUFFING– PAGE 3
DATE: SEPTEMBER 18, 2009

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Jennifer R. Cardinal
Chemist

Tetra Tech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

Appendix A - Qualified Analytical Results

Qualifier Codes:

a	=	Lab Blank Contamination
b	=	Field Blank Contamination
c	=	Calibration (i.e., %RSDs, %Ds, ICVs, CCVs, RPDs, RRFs, etc.) Noncompliance
d	=	MS/MSD Noncompliance
e	=	LSC/LSCD Noncompliance
f	=	Laboratory Duplicate Imprecision
g	=	Field Duplicate Imprecision
h	=	Holding Time Exceedance
i	=	ICP Serial Dilution Noncompliance
j	=	GFAA PDS – GFAA MSA's r<0.995 (correlation coefficient)
k	=	ICP Interference – include ICSAB %Rs
l	=	Instrument Calibration Range Exceedance
m	=	Sample Preservation
n	=	Internal Standard Noncompliance
o	=	Poor Instrument Performance (i.e. baseline drifting)
p	=	Uncertainty Near Detection Limit (<2 x IDL for inorganics and < CRQL for organics)
q	=	Other Problems (can encompass of number of issues)
r	=	Surrogates Recovery Noncompliance
s	=	Pesticide/PCB Resolution
t	=	% Breakdown Noncompliance for DDT and Endrin
u	=	Pesticide/PCB % Difference Between Columns for Positive Results
v	=	Non-linear Calibrations, Tuning r <0.995 (correlation coefficient)

PROJ_NO: 01573 SDG: TT46709 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF056C			13SOCF056C-DL			13SOCW076A			13SOCW076A-DL		
	LAB_ID	TT46709-001			TT46709-001DL			TT46709-002			TT46709-002DL		
	SAMP_DATE	6/8/2009			6/8/2009			6/8/2009			6/8/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.4			85.4			90.0			90.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		42	U					9.8	U				
AROCLOR-1221		42	U					9.8	U				
AROCLOR-1232		42	U					9.8	U				
AROCLOR-1242					7100	J	R				1100		
AROCLOR-1248		42	U					9.8	U				
AROCLOR-1254		42	U					9.8	U				
AROCLOR-1260		42	U					9.8	U				

PROJ_NO: 01573	NSAMPLE	13SOCW077A			13SOCW077A-DL			13SOCW078A			13SOCW078A-DL		
SDG: TT46709	LAB_ID	TT46709-003			TT46709-003DL			TT46709-004			TT46709-004DL		
FRACTION: PEST/PCB	SAMP_DATE	6/8/2009			6/8/2009			6/8/2009			6/8/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.8			88.8			88.4			88.4		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		9.7	U					40	U				
AROCLOR-1221		9.7	U					40	U				
AROCLOR-1232		9.7	U					40	U				
AROCLOR-1242		9.7	U					40	U				
AROCLOR-1248					710						5200		
AROCLOR-1254		9.7	U					40	U				
AROCLOR-1260		9.7	U					40	U				

PROJ_NO: 01573 SDG: TT46709 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW079A			13SOCW079A-DL		
	LAB_ID	TT46709-005			TT46709-005DL		
	SAMP_DATE	6/8/2009			6/8/2009		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	90.1			90.1		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		9.6	U				
AROCLOR-1221		9.6	U				
AROCLOR-1232		9.6	U				
AROCLOR-1242					500		
AROCLOR-1248		9.6	U				
AROCLOR-1254		9.6	U				
AROCLOR-1260		9.6	U				

Appendix B - Results as Reported by the Laboratory

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF056C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-001

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: x6100958.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	6000	E
12672-29-6	AROCLOR-1248	42	U
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	42	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF056C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-001DL

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: x6100950.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	420	U
11104-28-2	AROCLOR-1221	420	U
11141-16-5	AROCLOR-1232	420	U
53469-21-9	AROCLOR-1242	7100	
12672-29-6	AROCLOR-1248	420	U
11097-69-1	AROCLOR-1254	420	U
11096-82-5	AROCLOR-1260	420	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW076A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-002

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: x6100959.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.8	U
11104-28-2	AROCLOR-1221	9.8	U
11141-16-5	AROCLOR-1232	9.8	U
53469-21-9	AROCLOR-1242	950	E
12672-29-6	AROCLOR-1248	9.8	U
11097-69-1	AROCLOR-1254	9.8	U
11096-82-5	AROCLOR-1260	9.8	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW076A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-002DL

Sample wt/vol: 15.24 (g/mL) gm

Lab File ID: x6100951.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	98	U
11104-28-2	AROCLOR-1221	98	U
11141-16-5	AROCLOR-1232	98	U
53469-21-9	AROCLOR-1242	1100	
12672-29-6	AROCLOR-1248	98	U
11097-69-1	AROCLOR-1254	98	U
11096-82-5	AROCLOR-1260	98	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW077A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-003

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: x6100960.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.7	U
11104-28-2	AROCLOR-1221	9.7	U
11141-16-5	AROCLOR-1232	9.7	U
53469-21-9	AROCLOR-1242	9.7	U
12672-29-6	AROCLOR-1248	610	E
11097-69-1	AROCLOR-1254	9.7	U
11096-82-5	AROCLOR-1260	9.7	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW077A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-003DL

Sample wt/vol: 15.69 (g/mL) gm

Lab File ID: x6100952.d

% Moisture: 11.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	97	U
11104-28-2	AROCLOR-1221	97	U
11141-16-5	AROCLOR-1232	97	U
53469-21-9	AROCLOR-1242	97	U
12672-29-6	AROCLOR-1248	710	
11097-69-1	AROCLOR-1254	97	U
11096-82-5	AROCLOR-1260	97	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW078A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-004

Sample wt/vol: 15.51 (g/mL) gm

Lab File ID: x6100961.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	40	U
11104-28-2	AROCLOR-1221	40	U
11141-16-5	AROCLOR-1232	40	U
53469-21-9	AROCLOR-1242	40	U
12672-29-6	AROCLOR-1248	4300	E
11097-69-1	AROCLOR-1254	40	U
11096-82-5	AROCLOR-1260	40	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW078A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-004DL

Sample wt/vol: 15.51 (g/mL) gm

Lab File ID: x6100953.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	400	U
11104-28-2	AROCLOR-1221	400	U
11141-16-5	AROCLOR-1232	400	U
53469-21-9	AROCLOR-1242	400	U
12672-29-6	AROCLOR-1248	5200	
11097-69-1	AROCLOR-1254	400	U
11096-82-5	AROCLOR-1260	400	U

Comments:

1

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW079A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-005

Sample wt/vol: 15.57 (g/mL) gm

Lab File ID: x6100962.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	9.6	U
11104-28-2	AROCLOR-1221	9.6	U
11141-16-5	AROCLOR-1232	9.6	U
53469-21-9	AROCLOR-1242	450	E
12672-29-6	AROCLOR-1248	9.6	U
11097-69-1	AROCLOR-1254	9.6	U
11096-82-5	AROCLOR-1260	9.6	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW079A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46709

Run Sequence: R036757

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46709-005DL

Sample wt/vol: 15.57 (g/mL) gm

Lab File ID: x6100954.d

% Moisture: 10.0 Decanted: (Y/N) N

Date Collected: 06/08/2009

Extraction: (Type) PFEX

Date Extracted: 06/10/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/11/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	39	U
11104-28-2	AROCLOR-1221	39	U
11141-16-5	AROCLOR-1232	39	U
53469-21-9	AROCLOR-1242	500	
12672-29-6	AROCLOR-1248	39	U
11097-69-1	AROCLOR-1254	39	U
11096-82-5	AROCLOR-1260	39	U

Comments:

Appendix C - Support Documentation

TT 46709
LS#11520

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER 2114 PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC Crane	S Ruffing	(412) 921-8989	Pace Analytical / Natalie Taylor
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: G. Ten Eyck	PHONE NUMBER: (513) 3[illegible]7-5043	ADDRESS: 940 South Harney Street
		CARRIER/WAYBILL NUMBER: FED EX		CITY, STATE: Seattle, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs SW846-8082	COMMENTS
6/09	4:27	13SOCF056C	13166 Floor	2	4	SO	C	1	1	
06/09	4:35	13SOCW076A	13166 South	2	2	SO	C	1	1	
06/09	4:46	13SOCW077A	13166 West	2	4	SO	C	1	1	
06/09	4:40	13SOCW078A	13166 East	2	4	SO	C	1	1	
06/09	4:50	13SOCW079A	13166 North	2	4	SO	C	1	1	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY [signature]	06/09/09	8:[illegible] AM	1. RECEIVED BY [signature]	6/10/09	0835
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 18, 2009**
FROM:	**JENNIFER R. CARDINAL**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB CTO F271, NSWC CRANE SDG TT46710**		

SAMPLES: 14 / Soils

13SOCF057C	13SOCF058C	13SOCF059C	13SOCW080A
13SOCW081A	13SOCW082A	13SOCW083A	13SOCW084A
13SOCW085A	13SOCW086A	13SOCW087A	13SOCW088A
13SOCW089A	13SOCW090A		

4 / Surface waters

13SW001	13SW0002	13SW003	13SW004

OVERVIEW

The sample set for CTO F271; NSWC Crane, SDG TT46710 consists of fourteen (14) soil environmental samples and four (4) surface water environmental samples. The samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on from June 17 – 18, 2009 and analyzed by Pace Analytical Services, Inc. All analyses were conducted using USEPA SW 846 Method 8082. The data contained in this SDG were validated with regard to the following parameters:

- Data Completeness
- * Holding Times
- * Initial and Continuing Calibration
- * Laboratory Method/Preparation Blank Analyses
- Surrogate Recoveries
- * Blank Spike Results
- Matrix Spike/Matrix Spike Duplicate Results
- * Percent Solids
- * Detection Limits
- Compound Quantitation
- * Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Data Completeness

On August 3, 2009 the laboratory clarified that the Form 10s in the PCB data package show the calculation of percent difference using the lower of the two concentrations in the denominator of the

calculation. The relative percent difference (RPD) between the dual column results for all samples were calculated.

On August 4, 2009 the laboratory provided a CLP-like run analytical sequence form for the PCB analysis. Due to software limitations, the CCVs were not included on the form. However, the laboratory bench sheets provided a sequence including the initial and continuing calibrations.

For several samples the surrogate decachlorobiphenyl (DCB) result was not provided for one column in the raw data. On August 4, 2009 the laboratory clarified that, due to software limitations, the DCB peaks were not integrated. However, the other sample run reported both surrogates for both columns so no further action was taken. On August 11, 2009 the laboratory further clarified that, in select cases, column DB-XLB required linear calibration because the %RSD of the average response factor protocol was >15%. The intercept of the curve was negative and software does not recognize those peaks as DCB because the areas are small due to dilutions. The DCB response is, therefore, calculated as zero or negative values. This problem is associated with dilutions of 20x or greater.

On August 11, 2009 the laboratory resubmitted pages PCB-155 and PCB-157 since, after a re-print of the data, the laboratory's software correctly identified DCB without any reprocessing.

On August 4 and 5, 2009 the laboratory provided a sample surrogate recovery calculation and clarification.

On August 4, 2009 the laboratory clarified that the Form 10 for the dilution of sample 13SOCW080A shows a column 2 detection for Aroclor-1260, while there is no detection from column 1. The laboratory mistakenly did not remove the column 2 detection from the form.

Surrogate Recoveries

The surrogate decachlorobiphenyl was diluted out for sample 13SOCW084A. No validation action was required.

The surrogate decachlorobiphenyl had high recoveries (above the 125% control limit) for the diluted samples 13SOCF058C, 13SOCW085A, 13SOCW083A, and 13SOCW081A. The positive Aroclor-1248 results in samples 13SOCF058C, 13SOCW085A, and 13SOCW083A; and the positive Aroclor-1242 result in sample 13SOCW081A were qualified as estimated, "J", due to high surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate Results

The matrix spike / matrix spike duplicate (MS/MSD) performed on sample 113SOCF057C had percent recoveries greater than the quality control limits for Aroclor-1016. No action was taken on this basis because Aroclor-1016 was not detected in the sample.

The matrix spike / matrix spike duplicate (MS/MSD) performed on sample 113SOCF057C had a relative percent difference greater than the quality control limit for Aroclor-1016. No action was taken on this basis because Aroclor-1016 was not detected in the sample.

Compound Quantitation

The relative percent difference between GC columns for Aroclor-1242 was > 25% quality control limit for the diluted analysis of sample 13SOCW081A. The positive result reported for Aroclor-1242 was qualified as estimated, "J".

Notes

Results above the method reporting limit and below the laboratory's quantitation limit were qualified as estimated (J) due to uncertainty below the quantitation limit.

Most samples required a dilution since the concentrations for Aroclor-1242 or Aroclor-1248 were greater than the linear calibration range of the instrument. All other results were reported from the undiluted analysis.

The following list summarizes the dilution factor of each diluted sample in this SDG as reported on the laboratory Form 1 reports:

Dilution Factor	Sample ID
4x	13SOCF057C-DL
4x	13SOCW080A-DL
40x	13SOCW081A-DL
20x	13SOCW082A-DL
40x	13SOCW083A-DL
40x	13SOCF058C-DL
200x	13SOCW084A-DL (no results reported from this sample)
40x	13SOCW085A-DL
4x	13SOC086A-DL
4x	13SOCF059C-DL
4x	13SOCW087A-DL
4x	13SOCW088A-DL
4x	13SOCW089A-DL
20x	13SOCW090A-DL

EXECUTIVE SUMMARY

Laboratory Performance Issues: Surrogate non-compliances resulted in qualification of select data. The relative percent difference between GC columns for Aroclor-1242 was > 25% quality control limit for the diluted analysis of sample 13SOCW081A.

Other Factors Affecting Data Quality: Results above the method reporting limit and below the laboratory's quantitation limit were qualified.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Jennifer R. Cardinal
Chemist

TO: S. RUFFING– PAGE 4
DATE: SEPTEMBER 18, 2009

Tetra Tech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O - Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DOT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13SOCF057C			13SOCF057C-DL			13SOCF058C			13SOCF058C-DL		
SDG: TT46710	LAB_ID	TT46710-001			TT46710-001DL			TT46710-006			TT46710-006DL		
FRACTION: PEST/PCB	SAMP_DATE	6/17/2009			6/17/2009			6/17/2009			6/17/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.6			87.6			84.8			84.8		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		10	U					41	U				
AROCLOR-1221		10	U					41	U				
AROCLOR-1232		10	U					41	U				
AROCLOR-1242		10	U					41	U				
AROCLOR-1248					700						6100	J	R
AROCLOR-1254		10	U					41	U				
AROCLOR-1260		10	U					41	U				

PROJ_NO: 01573	NSAMPLE	13SOCF059C			13SOCF059C-DL			13SOCW080A			13SOCW080A-DL		
SDG: TT46710	LAB_ID	TT46710-010			TT46710-010DL			TT46710-002			TT46710-002DL		
FRACTION: PEST/PCB	SAMP_DATE	6/17/2009			6/17/2009			6/17/2009			6/17/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.3			83.3			86.9			86.9		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U					10	U				
AROCLOR-1221		11	U					10	U				
AROCLOR-1232		11	U					10	U				
AROCLOR-1242		11	U					10	U				
AROCLOR-1248					540						930		
AROCLOR-1254		11	U					10	U				
AROCLOR-1260		11	U					10	U				

PROJ_NO: 01573	NSAMPLE	13SOCW081A			13SOCW081A-DL			13SOCW082A			13SOCW082A-DL		
SDG: TT46710	LAB_ID	TT46710-003			TT46710-003DL			TT46710-004			TT46710-004DL		
FRACTION: PEST/PCB	SAMP_DATE	6/17/2009			6/17/2009			6/17/2009			6/17/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.6			82.6			86.3			86.3		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		43	U					41	U				
AROCLOR-1221		43	U					41	U				
AROCLOR-1232		43	U					41	U				
AROCLOR-1242					11000	J	RU	41	U				
AROCLOR-1248		43	U								3000		
AROCLOR-1254		43	U					41	U				
AROCLOR-1260		43	U					41	U				

PROJ_NO: 01573	NSAMPLE	13SOCW083A			13SOCW083A-DL			13SOCW084A			13SOCW084A-DL		
SDG: TT46710	LAB_ID	TT46710-005			TT46710-005DL			TT46710-007			TT46710-007DL		
FRACTION: PEST/PCB	SAMP_DATE	6/17/2009			6/17/2009			6/17/2009			6/17/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.1			86.1			81.2			81.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		41	U					43	U				
AROCLOR-1221		41	U					43	U				
AROCLOR-1232		41	U					43	U				
AROCLOR-1242		41	U								32000		
AROCLOR-1248					4900	J	R	43	U				
AROCLOR-1254		41	U					43	U				
AROCLOR-1260		41	U					43	U				

PROJ_NO: 01573 SDG: TT46710 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW085A			13SOCW085A-DL			13SOCW086A			13SOCW086A-DL		
	LAB_ID	TT46710-008			TT46710-008DL			TT46710-009			TT46710-009DL		
	SAMP_DATE	6/17/2009			6/17/2009			6/17/2009			6/17/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.5			84.5			81.8			81.8		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		41	U					11	U				
AROCLOR-1221		41	U					11	U				
AROCLOR-1232		41	U					11	U				
AROCLOR-1242		41	U					11	U				
AROCLOR-1248					11000	J	R				490		
AROCLOR-1254		41	U					11	U				
AROCLOR-1260		41	U					11	U				

PROJ_NO: 01573	NSAMPLE	13SOCW087A			13SOCW087A-DL			13SOCW088A			13SOCW088A-DL		
SDG: TT46710	LAB_ID	TT46710-011			TT46710-011DL			TT46710-012			TT46710-012DL		
FRACTION: PEST/PCB	SAMP_DATE	6/18/2009			6/18/2009			6/18/2009			6/18/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	72.2			72.2			77.5			77.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		12	U					11	U				
AROCLOR-1221		12	U					11	U				
AROCLOR-1232		12	U					11	U				
AROCLOR-1242					300			11	U				
AROCLOR-1248		12	U								240		
AROCLOR-1254		12	U					11	U				
AROCLOR-1260		12	U					11	U				

PROJ_NO: 01573	NSAMPLE	13SOCW089A			13SOCW089A-DL			13SOCW090A			13SOCW090A-DL		
SDG: TT46710	LAB_ID	TT46710-013			TT46710-013DL			TT46710-014			TT46710-014DL		
FRACTION: PEST/PCB	SAMP_DATE	6/18/2009			6/18/2009			6/18/2009			6/18/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	78.7			78.7			82.3			82.3		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U					22	U				
AROCLOR-1221		11	U					22	U				
AROCLOR-1232		11	U					22	U				
AROCLOR-1242		11	U					22	U				
AROCLOR-1248					330						1400		
AROCLOR-1254		11	U					22	U				
AROCLOR-1260		11	U					22	U				

PROJ_NO: 01573	NSAMPLE	13SW001			13SW002			13SW003			13SW004		
SDG: TT46710	LAB_ID	TT46710-015			TT46710-016			TT46710-017			TT46710-018		
FRACTION: PEST/PCB	SAMP_DATE	6/18/2009			6/18/2009			6/18/2009			6/18/2009		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS												
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		0.36	U		0.26	U		0.26	U		0.27	U	
AROCLOR-1221		0.36	U		0.26	U		0.26	U		0.27	U	
AROCLOR-1232		0.36	U		0.26	U		0.26	U		0.27	U	
AROCLOR-1242		0.36	U		0.26	U		3.5			7.2		
AROCLOR-1248		0.48	J	P	0.32	J	P	0.26	U		0.27	U	
AROCLOR-1254		0.36	U		0.26	U		0.26	U		0.27	U	
AROCLOR-1260		0.36	U		0.26	U		0.26	U		0.27	U	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF057C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-001

Sample wt/vol: 15.01 (g/mL) gm

Lab File ID: x6220959.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	620	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF057C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-001DL

Sample wt/vol: 15.01 (g/mL) gm

Lab File ID: x6220931.d

% Moisture: 12.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	700	
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW080A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-002

Sample wt/vol: 15.15 (g/mL) gm

Lab File ID: x6220960.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	860	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW080A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-002DL

Sample wt/vol: 15.15 (g/mL) gm

Lab File ID: x6220934.d

% Moisture: 13.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	930	
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW081A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-003

Sample wt/vol: 15.0 (g/mL) gm

Lab File ID: x6220935.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	9900	E
12672-29-6	AROCLOR-1248	43	U
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW081A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-003DL

Sample wt/vol: 15.0 (g/mL) gm

Lab File ID: x6220944.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	430	U
11104-28-2	AROCLOR-1221	430	U
11141-16-5	AROCLOR-1232	430	U
53469-21-9	AROCLOR-1242	11000	
12672-29-6	AROCLOR-1248	430	U
12672-29-6	AROCLOR-1248	430	U
11097-69-1	AROCLOR-1254	430	U
11096-82-5	AROCLOR-1260	430	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW082A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-004

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: x6220936.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	2800	E
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW082A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-004DL

Sample wt/vol: 15.32 (g/mL) gm

Lab File ID: x6220913.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	200	U
11104-28-2	AROCLOR-1221	200	U
11141-16-5	AROCLOR-1232	200	U
53469-21-9	AROCLOR-1242	200	U
12672-29-6	AROCLOR-1248	3000	
11097-69-1	AROCLOR-1254	200	U
11096-82-5	AROCLOR-1260	200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW083A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-005

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: x6220937.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	4400	E
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW083A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-005DL

Sample wt/vol: 15.38 (g/mL) gm

Lab File ID: x6220945.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	410	U
11104-28-2	AROCLOR-1221	410	U
11141-16-5	AROCLOR-1232	410	U
53469-21-9	AROCLOR-1242	410	U
12672-29-6	AROCLOR-1248	4900	
11097-69-1	AROCLOR-1254	410	U
11096-82-5	AROCLOR-1260	410	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF058C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-006

Sample wt/vol: 15.31 (g/mL) gm

Lab File ID: x6220938.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	6000	E
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF058C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-006DL

Sample wt/vol: 15.31 (g/mL) gm

Lab File ID: x6220966.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	410	U
11104-28-2	AROCLOR-1221	410	U
11141-16-5	AROCLOR-1232	410	U
53469-21-9	AROCLOR-1242	410	U
12672-29-6	AROCLOR-1248	6100	
11097-69-1	AROCLOR-1254	410	U
11096-82-5	AROCLOR-1260	410	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW084A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-007

Sample wt/vol: 15.36 (g/mL) gm

Lab File ID: x6220939.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	27000	E
12672-29-6	AROCLOR-1248	43	U
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW084A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-007DL

Sample wt/vol: 15.36 (g/mL) gm

Lab File ID: x6250952.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2200	U
11104-28-2	AROCLOR-1221	2200	U
11141-16-5	AROCLOR-1232	2200	U
53469-21-9	AROCLOR-1242	32000	
12672-29-6	AROCLOR-1248	2200	U
11097-69-1	AROCLOR-1254	2200	U
11096-82-5	AROCLOR-1260	2200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW085A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-008

Sample wt/vol: 15.47 (g/mL) gm

Lab File ID: x6220940.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	41	U
11104-28-2	AROCLOR-1221	41	U
11141-16-5	AROCLOR-1232	41	U
53469-21-9	AROCLOR-1242	41	U
12672-29-6	AROCLOR-1248	9000	E
11097-69-1	AROCLOR-1254	41	U
11096-82-5	AROCLOR-1260	41	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW085A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-008DL

Sample wt/vol: 15.47 (g/mL) gm

Lab File ID: x6220947.d

% Moisture: 15.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	410	U
11104-28-2	AROCLOR-1221	410	U
11141-16-5	AROCLOR-1232	410	U
53469-21-9	AROCLOR-1242	410	U
12672-29-6	AROCLOR-1248	11000	
11097-69-1	AROCLOR-1254	410	U
11096-82-5	AROCLOR-1260	410	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW086A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-009

Sample wt/vol: 15.11 (g/mL) gm

Lab File ID: x6220950.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	450	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW086A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-009DL

Sample wt/vol: 15.11 (g/mL) gm

Lab File ID: x6220948.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	44	U
11104-28-2	AROCLOR-1221	44	U
11141-16-5	AROCLOR-1232	44	U
53469-21-9	AROCLOR-1242	44	U
12672-29-6	AROCLOR-1248	490	
11097-69-1	AROCLOR-1254	44	U
11096-82-5	AROCLOR-1260	44	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF059C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-010

Sample wt/vol: 15.44 (g/mL) gm

Lab File ID: x6220951.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	510	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF059C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-010DL

Sample wt/vol: 15.44 (g/mL) gm

Lab File ID: x6220949.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/17/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	42	U
11104-28-2	AROCLOR-1221	42	U
11141-16-5	AROCLOR-1232	42	U
53469-21-9	AROCLOR-1242	42	U
12672-29-6	AROCLOR-1248	540	
11097-69-1	AROCLOR-1254	42	U
11096-82-5	AROCLOR-1260	42	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW087A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-011

Sample wt/vol: 15.36 (g/mL) gm

Lab File ID: x6220952.d

% Moisture: 28.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	280	E
12672-29-6	AROCLOR-1248	12	U
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW087A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-011DL

Sample wt/vol: 15.36 (g/mL) gm

Lab File ID: x6220968.d

% Moisture: 28.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	49	U
11104-28-2	AROCLOR-1221	49	U
11141-16-5	AROCLOR-1232	49	U
53469-21-9	AROCLOR-1242	300	
12672-29-6	AROCLOR-1248	49	U
11097-69-1	AROCLOR-1254	49	U
11096-82-5	AROCLOR-1260	49	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW088A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-012

Sample wt/vol: 15.33 (g/mL) gm

Lab File ID: x6220953.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	230	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW088A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-012DL

Sample wt/vol: 15.33 (g/mL) gm

Lab File ID: x6220969.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	45	U
11104-28-2	AROCLOR-1221	45	U
11141-16-5	AROCLOR-1232	45	U
53469-21-9	AROCLOR-1242	45	U
12672-29-6	AROCLOR-1248	240	
11097-69-1	AROCLOR-1254	45	U
11096-82-5	AROCLOR-1260	45	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW089A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-013

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: x6220957.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	300	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW089A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-013DL

Sample wt/vol: 15.1 (g/mL) gm

Lab File ID: x6220970.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	45	U
11104-28-2	AROCLOR-1221	45	U
11141-16-5	AROCLOR-1232	45	U
53469-21-9	AROCLOR-1242	45	U
12672-29-6	AROCLOR-1248	330	
11097-69-1	AROCLOR-1254	45	U
11096-82-5	AROCLOR-1260	45	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW090A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-014

Sample wt/vol: 15.19 (g/mL) gm

Lab File ID: x6220958.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/23/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	22	U
11104-28-2	AROCLOR-1221	22	U
11141-16-5	AROCLOR-1232	22	U
53469-21-9	AROCLOR-1242	22	U
12672-29-6	AROCLOR-1248	1200	E
11097-69-1	AROCLOR-1254	22	U
11096-82-5	AROCLOR-1260	22	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW090A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036835

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46710-014DL

Sample wt/vol: 15.19 (g/mL) gm

Lab File ID: x6220926.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) PFEX

Date Extracted: 06/22/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/22/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	1400	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SW001

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036850

Matrix: (SOIL/WATER) Water

Lab Sample ID: TT46710-015

Sample wt/vol: 700.0 (g/mL) mL

Lab File ID: x6250948.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) SEPF

Date Extracted: 06/23/2009

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 06/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	AROCLOR-1016	0.36	U
11104-28-2	AROCLOR-1221	0.36	U
11141-16-5	AROCLOR-1232	0.36	U
53469-21-9	AROCLOR-1242	0.36	U
12672-29-6	AROCLOR-1248	0.48	J
11097-69-1	AROCLOR-1254	0.36	U
11096-82-5	AROCLOR-1260	0.36	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SW002

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036850

Matrix: (SOIL/WATER) Water

Lab Sample ID: TT46710-016

Sample wt/vol: 950.0 (g/mL) mL

Lab File ID: x6250949.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) SEPF

Date Extracted: 06/23/2009

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 06/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	AROCLOR-1016	0.26	U
11104-28-2	AROCLOR-1221	0.26	U
11141-16-5	AROCLOR-1232	0.26	U
53469-21-9	AROCLOR-1242	0.26	U
12672-29-6	AROCLOR-1248	0.32	J
11097-69-1	AROCLOR-1254	0.26	U
11096-82-5	AROCLOR-1260	0.26	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SW003

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036850

Matrix: (SOIL/WATER) Water

Lab Sample ID: TT46710-017

Sample wt/vol: 960.0 (g/mL) mL

Lab File ID: x6250950.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) SEPF

Date Extracted: 06/23/2009

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 06/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	AROCLOR-1016	0.26	U
11104-28-2	AROCLOR-1221	0.26	U
11141-16-5	AROCLOR-1232	0.26	U
53469-21-9	AROCLOR-1242	3.5	
12672-29-6	AROCLOR-1248	0.26	U
11097-69-1	AROCLOR-1254	0.26	U
11096-82-5	AROCLOR-1260	0.26	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SW004

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46710

Run Sequence: R036850

Matrix: (SOIL/WATER) Water

Lab Sample ID: TT46710-018

Sample wt/vol: 940.0 (g/mL) mL

Lab File ID: x6250951.d

% Moisture: _____ Decanted: (Y/N) N

Date Collected: 06/18/2009

Extraction: (Type) SEPF

Date Extracted: 06/23/2009

Concentrated Extract Volume: 10000.0 (uL)

Date Analyzed: 06/26/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: _____

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
12674-11-2	AROCLOR-1016	0.27	U
11104-28-2	AROCLOR-1221	0.27	U
11141-16-5	AROCLOR-1232	0.27	U
53469-21-9	AROCLOR-1242	7.2	
12672-29-6	AROCLOR-1248	0.27	U
11097-69-1	AROCLOR-1254	0.27	U
11096-82-5	AROCLOR-1260	0.27	U

Comments:

Appendix C - Support Documentation

TT 46710

TETRA TECH NUS, INC. LS# 11566 CHAIN OF CUSTODY | NUMBER 4296 | PAGE 1 OF 2

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412)921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL / NATALIE TAYLOR
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. FLOYD	PHONE NUMBER (502)693-1417	ADDRESS 651 SOUTH ALASKA (SATURDAY DELIVERY)
		CARRIER/WAYBILL NUMBER FEDEX / 8624 4258 9348		CITY, STATE SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCB's SW-846-8082

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's SW-846-8082	COMMENTS
6/17	1530	13SOCF057C	B166	0	2	SO	C	1	1	TT 46710-001
	1545	13SOCW080A	B166							-002
		13SOCW081A								-003
		13SOCW082A								-004
		13SOCW083A								-005
	1630	13SOCF058C								-006
	1615	13SOCW084A								-007
		13SOCW085A								-008
		13SOCW086A								-009
	1655	13SOCF059C								-010
6/18	1400	13SOCW087A								-011
		13SOCW088A								-012
		13SOCW089A								-013

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	6/19/09	1430	1. RECEIVED BY	6/20/09	1015
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4295 | PAGE 2 OF 2

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412) 921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL / NATALIE TAYLOR
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. FLOYD	PHONE NUMBER (502) 693-1417	ADDRESS 651 SOUTH ALASKA (SATURDAY DELIVERY)
		CARRIER/WAYBILL NUMBER FEDEX / 8624 4258 9348		CITY, STATE SEATTLE, WA 98108

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCB's SW-846 8082

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's SW-846 8082	COMMENTS
6/18	1400	13SOCW090A	B166	0	2	SO	G	1	1	TT46710-014
	1345	13SW001	B166	—	—	SW	G	2	2	-015
		13SW002	B166	—	—	SW	G	2	2	-016
		13SW003	B166	—	—	SW	G	2	2	-017
		13SW004	B166	—	—	SW	G	2	2	-018

1. RELINQUISHED BY	DATE 6/19/09	TIME 1430	1. RECEIVED BY Pace	DATE 6/20/09	TIME 1015
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 18, 2009**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PCBs**
CTO F271 NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – TT46712

SAMPLES: 13/Soil

13SOCF060C	13SOCW091A	13SOCW092A
13SOCW093A	13SOCW094A	13SOCF061C
13SOCF062C	13SOCW095A	13SOCW096A
13SOCW097A	13SOCW098A	13SOCW099A
13SOCW100A		

Overview

The sample set for NSWC Crane, CTO F271, SDG TT46712, consists of thirteen (13) soil environmental samples. No field duplicate pairs were included within this SDG.

All samples were analyzed for polychlorinated biphenyls (PCBs). The samples were collected by Tetra Tech NUS on June 23, 2009 and analyzed by Pace Analytical Services, Inc. under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA/QC) criteria. PCB analyses were conducted using SW-846 method 8082.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
• Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
• Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike / Matrix Spike Duplicate Results
* • Internal Standard Results
* • Detection Limits
* • Analyte Quantitation

* - All quality control criteria were met for this parameter.

PCB

The percent recoveries (%R) for the surrogate decachlorobiphenyl were outside the upper quality control limit in samples 13SOCF061C, and the dilutions of samples 13SOCW100A and 13SOCW099A. The surrogate was diluted out in sample 13SOCF061C. No validation actions are required. Positive results for Arochlor-1242 in the dilutions of samples 13SOCW099A and 13SOCW100A were qualified (J) as a result of this noncompliance.

Notes

The continuing calibration average percent differences on June 29, 2009 @ 7:36 for Aroclor-1016 and Aroclor-1260 were greater than the 15% quality control limit for column DB-XLB. No validation actions were warranted as all sample results for Aroclor-1016 and Arochlor-1260 were nondetects and column DB-35ms was within quality control limits.

Samples 13SOCF061C, 13SOCW099A and 13SOCW100A were analyzed at various dilutions for Arochlor-1242. Samples 13SOCF062C, 13SOCW093A, 13SOCW095A, 13SOCW096A, 13SOCW097A and 13SOCW098A were analyzed at various dilutions for Arochlor-1248.

Executive Summary

Laboratory Performance: The %R for surrogate decachlorobiphenyl was outside the upper quality control limit.
Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti
Tetra Tech NUS
Ann Cognetti
Chemist/ Data Validator

Ann Solomon for
Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573 SDG: TT46712 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF060C			13SOCF061C			13SOCF061C-DL			13SOCF062C		
	LAB_ID	TT46712-001			TT46712-006			TT46712-006DL			TT46712-007		
	SAMP_DATE	6/23/2009			6/23/2009			6/23/2009			6/23/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			82.0			82.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U		220	U					11	U	
AROCLOR-1221		11	U		220	U					11	U	
AROCLOR-1232		11	U		220	U					11	U	
AROCLOR-1242		11	U					26000			11	U	
AROCLOR-1248		70			220	U							
AROCLOR-1254		11	U		220	U					11	U	
AROCLOR-1260		11	U		220	U					11	U	

PROJ_NO: 01573	NSAMPLE	13SOCF062C-DL			13SOCW091A			13SOCW092A			13SOCW093A		
SDG: TT46712	LAB_ID	TT46712-007DL			TT46712-002			TT46712-003			TT46712-004		
FRACTION: PEST/PCB	SAMP_DATE	6/23/2009			6/23/2009			6/23/2009			6/23/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			78.0			78.0			78.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					12	U		11	U		12	U	
AROCLOR-1221					12	U		11	U		12	U	
AROCLOR-1232					12	U		11	U		12	U	
AROCLOR-1242					12	U		11	U		12	U	
AROCLOR-1248		280			12	U		45					
AROCLOR-1254					12	U		11	U		12	U	
AROCLOR-1260					12	U		11	U		12	U	

PROJ_NO: 01573	NSAMPLE	13SOCW093A-DL			13SOCW094A			13SOCW095A			13SOCW095A-DL		
SDG: TT46712	LAB_ID	TT46712-004DL			TT46712-005			TT46712-008			TT46712-008DL		
FRACTION: PEST/PCB	SAMP_DATE	6/23/2009			6/23/2009			6/23/2009			6/23/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	78.0			77.0			82.0			82.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					12	U		11	U				
AROCLOR-1221					12	U		11	U				
AROCLOR-1232					12	U		11	U				
AROCLOR-1242					12	U		11	U				
AROCLOR-1248		980			100						450		
AROCLOR-1254					12	U		11	U				
AROCLOR-1260					12	U		11	U				

PROJ_NO: 01573	NSAMPLE	13SOCW096A			13SOCW096A-DL			13SOCW097A			13SOCW097A-DL		
SDG: TT46712	LAB_ID	TT46712-009			TT46712-009DL			TT46712-010			TT46712-010DL		
FRACTION: PEST/PCB	SAMP_DATE	6/23/2009			6/23/2009			6/23/2009			6/23/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	80.0			80.0			80.0			80.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		22	U					22	U				
AROCLOR-1221		22	U					22	U				
AROCLOR-1232		22	U					22	U				
AROCLOR-1242		22	U					22	U				
AROCLOR-1248					2500						1800		
AROCLOR-1254		22	U					22	U				
AROCLOR-1260		22	U					22	U				

PROJ_NO: 01573	NSAMPLE	13SOCW098A			13SOCW098A-DL			13SOCW099A			13SOCW099A-DL		
SDG: TT46712	LAB_ID	TT46712-011			TT46712-011DL			TT46712-012			TT46712-012DL		
FRACTION: PEST/PCB	SAMP_DATE	6/23/2009			6/23/2009			6/23/2009			6/23/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			86.0			83.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		10	U					11	U				
AROCLOR-1221		10	U					11	U				
AROCLOR-1232		10	U					11	U				
AROCLOR-1242		10	U								8800	J	R
AROCLOR-1248					1100			11	U				
AROCLOR-1254		10	U					11	U				
AROCLOR-1260		10	U					11	U				

PROJ_NO: 01573 SDG: TT46712 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW100A			13SOCW100A-DL		
	LAB_ID	TT46712-013			TT46712-013DL		
	SAMP_DATE	6/23/2009			6/23/2009		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	83.0			83.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		11	U				
AROCLOR-1221		11	U				
AROCLOR-1232		11	U				
AROCLOR-1242					2200	J	R
AROCLOR-1248		11	U				
AROCLOR-1254		11	U				
AROCLOR-1260		11	U				

Appendix B

Results as Reported by the Laboratory

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF060C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-001

Sample wt/vol: 15.15 (g/mL) gm

Lab File ID: x6290919.d

% Moisture: 19.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	70	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW091A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-002

Sample wt/vol: 15.05 (g/mL) gm

Lab File ID: x6290922.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	12	U
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW092A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-003

Sample wt/vol: 15.04 (g/mL) gm

Lab File ID: x6290923.d

% Moisture: 21.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	45	
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW093A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-004

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: x6290926.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	930	E
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW093A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-004DL

Sample wt/vol: 15.03 (g/mL) gm

Lab File ID: x6290924.d

% Moisture: 22.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	120	U
11104-28-2	AROCLOR-1221	120	U
11141-16-5	AROCLOR-1232	120	U
53469-21-9	AROCLOR-1242	120	U
12672-29-6	AROCLOR-1248	980	
11097-69-1	AROCLOR-1254	120	U
11096-82-5	AROCLOR-1260	120	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW094A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-005

Sample wt/vol: 15.16 (g/mL) gm

Lab File ID: x6290927.d

% Moisture: 23.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	12	U
11104-28-2	AROCLOR-1221	12	U
11141-16-5	AROCLOR-1232	12	U
53469-21-9	AROCLOR-1242	12	U
12672-29-6	AROCLOR-1248	100	
11097-69-1	AROCLOR-1254	12	U
11096-82-5	AROCLOR-1260	12	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF061C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-006

Sample wt/vol: 15.07 (g/mL) gm

Lab File ID: x6290955.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	25000	E
12672-29-6	AROCLOR-1248	220	U
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF061C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-006DL

Sample wt/vol: 15.07 (g/mL) gm

Lab File ID: x6290925.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	2200	U
11104-28-2	AROCLOR-1221	2200	U
11141-16-5	AROCLOR-1232	2200	U
53469-21-9	AROCLOR-1242	26000	
12672-29-6	AROCLOR-1248	2200	U
11097-69-1	AROCLOR-1254	2200	U
11096-82-5	AROCLOR-1260	2200	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF062C

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-007

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: x6290948.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	260	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCF062C-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-007DL

Sample wt/vol: 15.12 (g/mL) gm

Lab File ID: x6290939.d

% Moisture: 16.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	43	U
12672-29-6	AROCLOR-1248	280	
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW095A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-008

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: x6290940.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	11	U
12672-29-6	AROCLOR-1248	450	E
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW095A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-008DL

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: x6290933.d

% Moisture: 18.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 4.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	43	U
11104-28-2	AROCLOR-1221	43	U
11141-16-5	AROCLOR-1232	43	U
53469-21-9	AROCLOR-1242	43	U
12672-29-6	AROCLOR-1248	450	
11097-69-1	AROCLOR-1254	43	U
11096-82-5	AROCLOR-1260	43	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW096A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-009

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: x6290954.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	22	U
11104-28-2	AROCLOR-1221	22	U
11141-16-5	AROCLOR-1232	22	U
53469-21-9	AROCLOR-1242	22	U
12672-29-6	AROCLOR-1248	2400	E
11097-69-1	AROCLOR-1254	22	U
11096-82-5	AROCLOR-1260	22	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW096A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-009DL

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: x6290934.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/29/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	2500	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW097A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-010

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: x6290941.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	22	U
11104-28-2	AROCLOR-1221	22	U
11141-16-5	AROCLOR-1232	22	U
53469-21-9	AROCLOR-1242	22	U
12672-29-6	AROCLOR-1248	1700	E
11097-69-1	AROCLOR-1254	22	U
11096-82-5	AROCLOR-1260	22	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW097A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-010DL

Sample wt/vol: 15.23 (g/mL) gm

Lab File ID: x6290935.d

% Moisture: 20.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	220	U
11104-28-2	AROCLOR-1221	220	U
11141-16-5	AROCLOR-1232	220	U
53469-21-9	AROCLOR-1242	220	U
12672-29-6	AROCLOR-1248	1800	
11097-69-1	AROCLOR-1254	220	U
11096-82-5	AROCLOR-1260	220	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW098A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-011

Sample wt/vol: 15.2 (g/mL) gm

Lab File ID: x6290942.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	10	U
11104-28-2	AROCLOR-1221	10	U
11141-16-5	AROCLOR-1232	10	U
53469-21-9	AROCLOR-1242	10	U
12672-29-6	AROCLOR-1248	1000	E
11097-69-1	AROCLOR-1254	10	U
11096-82-5	AROCLOR-1260	10	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW098A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-011DL

Sample wt/vol: 15.2 (g/mL) gm

Lab File ID: x6290936.d

% Moisture: 14.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	100	U
11104-28-2	AROCLOR-1221	100	U
11141-16-5	AROCLOR-1232	100	U
53469-21-9	AROCLOR-1242	100	U
12672-29-6	AROCLOR-1248	1100	
11097-69-1	AROCLOR-1254	100	U
11096-82-5	AROCLOR-1260	100	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW099A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-012

Sample wt/vol: 15.11 (g/mL) gm

Lab File ID: x6290946.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	5700	E
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW099A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-012DL

Sample wt/vol: 15.11 (g/mL) gm

Lab File ID: x6290937.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	430	U
11104-28-2	AROCLOR-1221	430	U
11141-16-5	AROCLOR-1232	430	U
53469-21-9	AROCLOR-1242	8800	
12672-29-6	AROCLOR-1248	430	U
11097-69-1	AROCLOR-1254	430	U
11096-82-5	AROCLOR-1260	430	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW100A

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-013

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: x6290947.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	11	U
11104-28-2	AROCLOR-1221	11	U
11141-16-5	AROCLOR-1232	11	U
53469-21-9	AROCLOR-1242	1900	E
12672-29-6	AROCLOR-1248	11	U
11097-69-1	AROCLOR-1254	11	U
11096-82-5	AROCLOR-1260	11	U

Comments:

AROCLOR ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

13SOCW100A-DL

Lab Name: Pace Analytical Services, In

Contract: N/A

SDG No.: TT46712

Run Sequence: R036883

Matrix: (SOIL/WATER) Soil

Lab Sample ID: TT46712-013DL

Sample wt/vol: 15.14 (g/mL) gm

Lab File ID: x6290938.d

% Moisture: 17.0 Decanted: (Y/N) N

Date Collected: 06/23/2009

Extraction: (Type) PFEX

Date Extracted: 06/26/2009

Concentrated Extract Volume: 5000.0 (uL)

Date Analyzed: 06/30/2009

Injection Volume: 0.5 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH:

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/kg	Q
12674-11-2	AROCLOR-1016	210	U
11104-28-2	AROCLOR-1221	210	U
11141-16-5	AROCLOR-1232	210	U
53469-21-9	AROCLOR-1242	2200	
12672-29-6	AROCLOR-1248	210	U
11097-69-1	AROCLOR-1254	210	U
11096-82-5	AROCLOR-1260	210	U

Comments:

Appendix C

Support Documentation

TT46712

TETRA TECH NUS, INC. — **CHAIN OF CUSTODY** — NUMBER 4298 — PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER S. RUFFING	PHONE NUMBER (412) 921-8989	LABORATORY NAME AND CONTACT: PACE ANALYTICAL / NATALIE TAYLOR
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. FLOYD	PHONE NUMBER (502) 693-1417	ADDRESS 940 SOUTH HARNEY STREET
		CARRIER/WAYBILL NUMBER FEDEX		CITY, STATE SEATTLE, WASHINGTON

STANDARD TAT ☐
RUSH TAT ☒
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: ICE (4°C)

TYPE OF ANALYSIS: PCB's SW-846 8082

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCB's SW-846 8082	COMMENTS
6/23	1245	13SOCF06C	B171 EAST	0	2	SO	C	1	1	
	1300	13SOCW091A								
	1300	13SOCW092A								
	1300	13SOCW093A								
	1300	13SOCW094A								
	1545	13SOCF061C	B166 EAST	0	3					
	1600	13SOCF062C								
	1630	13SOCW095A								
	1630	13SOCW096A								
	1645	13SOCW097A								
	1645	13SOCW098A								
	1715	13SOCW099A								
	1715	13SOCW100A								

1. RELINQUISHED BY	DATE 06/25/09	TIME 2200	1. RECEIVED BY	DATE 6/26/09	TIME 0850
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 2, 2009**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION – PCBs**
NSWC CRANE – CTO F271
SAMPLE DELIVERY GROUP (SDG) –0908002

SAMPLES: 6/Soil

13 SOC F 063	13 SOC W 101	13 SOC W 102
13 SOC W 103	13 SOC W 104	13 SOC W 105

Overview

The sample set for NSWC CRANE, CTO F271, SDG 0908002, consists of six (6) soil environmental samples. No field duplicate pairs were included within this SDG.

All samples were analyzed for polychlorinated biphenyls (PCBs). The samples were collected by Tetra Tech NUS on July 31, 2009 and analyzed by CompuChem under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA/QC) criteria. PCB analyses were conducted using SW-846 method 8082.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
• Surrogate Recoveries
• Laboratory Control Sample Results
• Matrix Spike / Matrix Spike Duplicate Results
* • Internal Standard Results
• Detection Limits
* • Analyte Quantitation

* - All quality control criteria were met for this parameter.

PCB

The relative percent difference (%RPD) between columns in the analysis of sample 13 SOC F 063 was greater than 25% but less than 100% for Aroclor-1260. The positive result was qualified as estimated (J) due to this noncompliance.

Notes

The percent recovery (%R) for both surrogates in sample 13 SOC W 101 diluted out in the sample. The sample was diluted 1000X in order to obtain a concentration of Aroclor -1248 within instrument calibration range.

The %R of Aroclor-1016 was outside the upper quality control limit in the matrix spike sample 13 SOC F 063. No action was taken on this noncompliance in the matrix spike sample.

The laboratory control sample/laboratory control sample duplicate of PVCLCS relative percent deviation (%RPD) was greater than the 20% quality control limit. Since this a precision issue, no action was taken on this noncompliance.

Sample 13 SOC F 063 was diluted 1000X in order to obtain concentrations of target analytes within instrument calibration range.

Samples were incorrectly identified by the laboratory from the chain of custody. Samples 13 SOC W 101, 13 SOC W 102, 13 SOC W 103, 13 SOC W 104 and 13 SOC W 105 were incorrectly identified as 13 SOC F 101, 13 SOC F 102, 13 SOC F 103, 13 SOC F 104 and 13 SOC F 105 by the laboratory. This error affects all the forms submitted from the laboratory.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: The percent difference between columns exceeded 25% but was less than 100% in sample 13 SOC F 063 for Aroclor-1260. .

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti
Tetra Tech NUS
Ann Cognetti
Chemist/ Data Validator

Edward Hedlmayer for
Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13 SOC F 063			13 SOC W 101			13 SOC W 102			13 SOC W 103		
SDG: 0908002001	LAB_ID	0908002-01			0908002-06			0908002-05			0908002-04		
FRACTION: PEST/PCB	SAMP_DATE	7/31/2009			7/31/2009			7/31/2009			7/31/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			84.0			76.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		30	U		29000	U		32	U		29	U	
AROCLOR-1221		42	U		40000	U		45	U		41	U	
AROCLOR-1232		21	U		20000	U		22	U		20	U	
AROCLOR-1242		21	U		20000	U		22	U		20	U	
AROCLOR-1248		78			260000			22	U		21		
AROCLOR-1254		21	U		20000	U		22	U		20	U	
AROCLOR-1260		21	J	U	20000	U		22	U		20	U	

PROJ_NO: 01573	NSAMPLE	13 SOC W 104			13 SOC W 105		
SDG: 0908002001	LAB_ID	0908002-03			0908002-02		
FRACTION: PEST/PCB	SAMP_DATE	7/31/2009			7/31/2009		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	84.0			91.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		29	U		26	U	
AROCLOR-1221		40	U		37	U	
AROCLOR-1232		20	U		19	U	
AROCLOR-1242		20	U		19	U	
AROCLOR-1248		20	U		56		
AROCLOR-1254		20	U		19	U	
AROCLOR-1260		20	U		19	U	

Appendix B

Results as Reported by the Laboratory

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13 SOC F 063

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/04/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	30	U
11104-28-2	Aroclor-1221	42	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	78	
11097-69-1	Aroclor-1254	21	U
11096-82-5	Aroclor-1260	21	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13 SOC ~~F~~ 101

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/05/09

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	29000	U
11104-28-2	Aroclor-1221	40000	U
11141-16-5	Aroclor-1232	20000	U
53469-21-9	Aroclor-1242	20000	U
12672-29-6	Aroclor-1248	260000	
11097-69-1	Aroclor-1254	20000	U
11096-82-5	Aroclor-1260	20000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13 SOC ~~F~~ W 102 AC 9/12

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/04/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	32	U
11104-28-2	Aroclor-1221	45	U
11141-16-5	Aroclor-1232	22	U
53469-21-9	Aroclor-1242	22	U
12672-29-6	Aroclor-1248	22	U
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	22	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13 SOC ~~F~~ W 103 AC 9/2

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/04/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	29	U
11104-28-2	Aroclor-1221	41	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	21	
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	20	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13 SOC ~~F~~ W AC 9/2 104

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/04/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	29	U
11104-28-2	Aroclor-1221	40	U
11141-16-5	Aroclor-1232	20	U
53469-21-9	Aroclor-1242	20	U
12672-29-6	Aroclor-1248	20	U
11097-69-1	Aroclor-1254	20	U
11096-82-5	Aroclor-1260	20	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
AC 9/2
13 SOC ~~P~~ W 105

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908002

Matrix: (soil/water) SOIL Lab Sample ID: 0908002-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 9 decanted: (Y/N) N Date Received: 08/01/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/03/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/04/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	26	U
11104-28-2	Aroclor-1221	37	U
11141-16-5	Aroclor-1232	19	U
53469-21-9	Aroclor-1242	19	U
12672-29-6	Aroclor-1248	56	
11097-69-1	Aroclor-1254	19	U
11096-82-5	Aroclor-1260	19	U

FORM I PEST

Appendix C

Support Documentation

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2115 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC CRANE	S. Ruffing	412-921-8989	COMPUCHEM
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: George Ten Eyck	PHONE NUMBER: 513-470-8232	ADDRESS: 501 MADISON AVE
		CARRIER/WAYBILL NUMBER		CITY, STATE: CARY, NC 27513

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs SW-846 8082						COMMENTS
7/31	12:35	13 SOC F 063	13	2'		SO	C	1	X				0908002-01		TAT
	12:40	13 SOC W 105		±1		SO	C	1	X				-02		3 BUSINESS DAYS
	12:43	13 SOC W 104		±1		SO	C	1	X				-03		
	12:50	13 SOC W 103		1		SO	C	1	X				-04		
	12:55	13 SOC W 102		1		SO	C	1	X				-05		
	12:58	13 SOC W 101		1		SO	C	1	X				-06		

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	7/31/09	2:30	1. RECEIVED BY	8/1/09	1130
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: rec'd @ 29°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**September 8, 2009**
FROM:	**MEGAN CARSON**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION –PCB**
CTO F271, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 0908068

SAMPLES: 6/Soil/

13SDB166SB	13SOCW106A	13SOCW107A
13SOCW108A	13SOCW109A	13SOCW110A

Overview

The sample set for CTO F271; NSWC Crane, SDG 0908068 consists of 6 soil samples. The samples were analyzed for Polychlorinated Biphenyl Aroclors.

The samples were collected by TetraTech NUS on August 13, 2009 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Instrument performance and tuning
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
* • Field Duplicate Results
* • Detection Limits
* • Analyte Quantitation

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB:

None.

Notes:

Revised data was received from the lab on 9/25/09 for samples 13SOCW106A and 13SOCW110A. Due to matrix interference percent differences and results were revaluated and adjusted.

Samples 13SDB166SB and 13SOCW106A were analyzed at a 1000X dilution to bring aroclor 1248 into calibration range.

Samples 13SDB166SB and 13SOCW106A had 0% recovery for all surrogates due to sample dilution.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: Positive results reported below the reporting limit but above the method detection limit were qualified as estimated (J). Matrix affected samples which resulted in the inaccurate reporting of data. The lab revaluated and adjusted results.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999 and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

Megan Carson

Tetra Tech NUS
Megan Carson
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 01573	NSAMPLE	13SDB166SB			13SOCW106A			13SOCW107A			13SOCW108A		
SDG: 0908068	LAB_ID	0908068-06			0908068-01			0908068-02			0908068-03		
FRACTION: PEST/PCB	SAMP_DATE	8/13/2009			8/13/2009			8/13/2009			8/13/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	70.0			83.0			79.0			80.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		34000	U		29000	U		30	U		30	U	
AROCLOR-1221		49000	U		41000	U		43	U		43	U	
AROCLOR-1232		24000	U		20000	U		22	U		21	U	
AROCLOR-1242		24000	U		20000	U		22	U		21	U	
AROCLOR-1248		140000			140000 ~~U~~	~~U~~		22	U		64		
AROCLOR-1254		24000	U		20000	U		22	U		21	U	
AROCLOR-1260		24000	U		20000	U		22	U		21	U	

EWS
9/28/09

PROJ_NO: 01573	NSAMPLE	13SOCW109A			13SOCW110A		
SDG: 0908068	LAB_ID	0908068-04			0908068-05		
FRACTION: PEST/PCB	SAMP_DATE	8/13/2009			8/13/2009		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	80.0			79.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		30	U		30	U	
AROCLOR-1221		43	U		43	U	
AROCLOR-1232		21	U		22	U	
AROCLOR-1242		21	U		22	U	
AROCLOR-1248		18	J	P	44 ~~200~~	J	~~U~~
AROCLOR-1254		21	U		22	U	
AROCLOR-1260		21	U		22	U	

EWS
9/28/09

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SDB166SB

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/~~18/09~~

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: ~~(Y/N) N~~

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	34000	U
11104-28-2	Aroclor-1221	49000	U
11141-16-5	Aroclor-1232	24000	U
53469-21-9	Aroclor-1242	24000	U
12672-29-6	Aroclor-1248	140000	
11097-69-1	Aroclor-1254	24000	U
11096-82-5	Aroclor-1260	24000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW106A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/18/09

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	29000	U
11104-28-2	Aroclor-1221	41000	U
11141-16-5	Aroclor-1232	20000	U
53469-21-9	Aroclor-1242	20000	U
12672-29-6	Aroclor-1248	140000	
11097-69-1	Aroclor-1254	20000	U
11096-82-5	Aroclor-1260	20000	U

FORM I PEST

AMENDED DATA

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW107A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/18/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	30	U
11104-28-2------	Aroclor-1221	43	U
11141-16-5------	Aroclor-1232	22	U
53469-21-9------	Aroclor-1242	22	U
12672-29-6------	Aroclor-1248	22	U
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	22	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW108A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/18/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	30	U
11104-28-2	Aroclor-1221	43	U
11141-16-5	Aroclor-1232	21	U
53469-21-9	Aroclor-1242	21	U
12672-29-6	Aroclor-1248	64	
11097-69-1	Aroclor-1254	21	U
11096-82-5	Aroclor-1260	21	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW109A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/18/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	30	U
11104-28-2------	Aroclor-1221	43	U
11141-16-5------	Aroclor-1232	21	U
53469-21-9------	Aroclor-1242	21	U
12672-29-6------	Aroclor-1248	18	J
11097-69-1------	Aroclor-1254	21	U
11096-82-5------	Aroclor-1260	21	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW110A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0908068

Matrix: (soil/water) SOIL Lab Sample ID: 0908068-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 08/15/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 08/17/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 08/18/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	30	U
11104-28-2------	Aroclor-1221	43	U
11141-16-5------	Aroclor-1232	22	U
53469-21-9------	Aroclor-1242	22	U
12672-29-6------	Aroclor-1248	44	
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	22	U

FORM I PEST

AMENDED DATA

APPENDIX C

SUPPORT DOCUMENTATION

70

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4301 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC CRANE	STEVE RUFFING	(412)921-8989	COMPUCHEM LABS / CATHY DOVER
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
J Floyd		JOHN T. FLOYD	(502)693-1417	501 MADISON AVENUE
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FEDEX / 8624 4258 9495		CARY, NC 27513

* NOTE please email results to:
STEVE.RUFFING@TETRATECH.COM
JOHN.FLOYD@TETRATECH.COM
BETSY.COLLINS@TETRATECH.COM
TIMOTHY [redacted].SMITH@TETRATECH.COM

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCBs SW-846 8082 (402)

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs							COMMENTS
8/13	1740	13SOCW106A	B166 EAST	0	2	SO	C	1	1				0908068	-01		* All samples rec'd. in good condition.
	1850	13SOCW107A												-02		
	1930	13SOCW108A												-03		
	1955	13SOCW109A												-04		
	2030	13SOCW110A												-05		
	2100	13SDB166SB				SD	G							06		SETTLING BASIN

1. RELINQUISHED BY J Floyd	DATE 8/14/09	TIME	1. RECEIVED BY K. Manning	DATE 8-15-09	TIME 1120	2.4°C
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME	
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME	

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**NOVEMBER 12, 2009**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB NSWC CRANE, CTO F271 SDG 0909079**		
SAMPLES:	4 / PCB		

13SOCW111A FD09090901	13SOCW112A	13SOCW113A

OVERVIEW

The sample set for CTO F271, NSWC CRANE SDG 0909079 consists of four (4) soil environmental samples. There was one field duplicate pair associated with this SDG: FD09090901 / 13SOCW112A. All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on September 9, 2009 and analyzed by CompuChem. All analyses were conducted in accordance with USEPA SW 846 Methods 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Detection Limits
* • Field Duplicate Results
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The relative percent difference (RPD) was greater than 25% between the primary and secondary gas chromatography (GC) columns for the PCB-1248 analysis for sample 13SOCW111A. RPDs greater than 25% but less than or equal to 100% are qualified estimated, (J).

Sample	Compound	RPD	Qualifer
13SOCW111A	Aroclor-1248	32.1	J

Notes

The higher of the GC column aroclor results was reported by the laboratory.

EXECUTIVE SUMMARY

Laboratory Performance Issues: There was a PCB primary/secondary GC column RPD quality control limit exceedance.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS

Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – Positive result is considered estimated, "J", as a result of technical non-compliances.

UJ – Non-detected result is considered estimated, "UJ", as a result of technical non-compliances.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13SOCW111A			13SOCW112A			13SOCW113A			FD09090901		
SDG: 0909079	LAB_ID	0909079-02			0909079-03			0909079-04			0909079-01		
FRACTION: PEST/PCB	SAMP_DATE	9/9/2009			9/9/2009			9/9/2009			9/9/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	72.0			75.0			78.0			73.0		
	DUP_OF										13SOCW112A		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		33	U		32	U		31	U		33	U	
AROCLOR-1221		47	U		45	U		44	U		47	U	
AROCLOR-1232		24	U		23	U		22	U		23	U	
AROCLOR-1242		24	U		23	U		22	U		23	U	
AROCLOR-1248		65	J	U	23	U		320			23	U	
AROCLOR-1254		24	U		23	U		22	U		23	U	
AROCLOR-1260		24	U		23	U		22	U		23	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW111A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0909079

Matrix: (soil/water) SOIL Lab Sample ID: 0909079-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 28 decanted: (Y/N) N Date Received: 09/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/14/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	33	U
11104-28-2------	Aroclor-1221	47	U
11141-16-5------	Aroclor-1232	24	U
53469-21-9------	Aroclor-1242	24	U
12672-29-6------	Aroclor-1248	65	
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	24	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW112A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0909079

Matrix: (soil/water) SOIL Lab Sample ID: 0909079-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 25 decanted: (Y/N) N Date Received: 09/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/14/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	32	U
11104-28-2	Aroclor-1221	45	U
11141-16-5	Aroclor-1232	23	U
53469-21-9	Aroclor-1242	23	U
12672-29-6	Aroclor-1248	23	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	23	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW113A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0909079

Matrix: (soil/water) SOIL Lab Sample ID: 0909079-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 09/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/14/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	31	U
11104-28-2	Aroclor-1221	44	U
11141-16-5	Aroclor-1232	22	U
53469-21-9	Aroclor-1242	22	U
12672-29-6	Aroclor-1248	320	
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	22	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD09090901

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0909079

Matrix: (soil/water) SOIL Lab Sample ID: 0909079-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 09/11/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 09/14/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 09/15/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	47	U
11141-16-5	Aroclor-1232	23	U
53469-21-9	Aroclor-1242	23	U
12672-29-6	Aroclor-1248	23	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	23	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER 2118 | PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSA Crane	PROJECT MANAGER S. Ruffing	PHONE NUMBER 4129218989	LABORATORY NAME AND CONTACT: Compuchem / Cathy Dover
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER J. Goerdt	PHONE NUMBER 4124430244	ADDRESS 501 Madison Ave
		CARRIER/WAYBILL NUMBER FedEx/8631 2526 4179		CITY, STATE Cary, NC 27513

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4oC

TYPE OF ANALYSIS: PCBs SW 846 8082 9oz jar

DATE YEAR 2009	TIME	SAMPLE ID (rec'd @ 1.8°C)	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs	COMMENTS
9/9	0945	1350CW111A	111	0	2	SO	G	1	1	0909079-02
9/9	1015	1350CW112A	112	0	2	SO	G	1	1	-03
9/9	1020	1350CW113A	113	0	2	SO	G	1	1	-04
9/9	0000	FD09090901	QC	-	-	QC	G	1	1	-01

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	9-10-09	1800	1. RECEIVED BY Jennifer Dove	9-11-09	9:30
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**JUNE 29, 2010**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE- Revision 1**

SUBJECT: **ORGANIC DATA VALIDATION – PCBs**
NSWC CRANE – CTO F271
SAMPLE DELIVERY GROUP (SDG) –0912172

SAMPLES: 7/Soil

13SOCF064 13SOCF065 13SOCF066 13SOCF067 13SOCF068
13SOCF069 13SOCF070

Overview

The sample set for NSWC CRANE, CTO F271, SDG 0912172, consists of seven (7) soil environmental samples. No field duplicate pairs were included within this SDG. All samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by Tetra Tech NUS on December 18, 2009 and analyzed by CompuChem under Naval Facilities Engineering Service Center (NFESC) Quality Assurance / Quality Control (QA/QC) criteria. PCB analyses were conducted using SW-846 method 8082.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Results
* • Internal Standard Results
* • Detection Limits
* • Analyte Quantitation

* - All quality control criteria were met for this parameter.

PCB- None.

Notes

The percent recovery (%R) for surrogate TCX in sample 13SOCF064 was diluted out. The sample was diluted 100X in order to obtain a concentration of Aroclor -1248 within instrument calibration range.

Samples 13SOCF065 and 13SOCF066 were diluted 20X and 5X, respectively, in order to obtain concentrations of target analytes within instrument calibration range.

This report was revised because the initial chain of custody had the incorrect number sequence in the sample identification. The sample identifications have been amended to match the corrected chain of custody. The amended chain of custody is included in Appendix C.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Review", October 1999, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories", January 2006.

The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti

Tetra Tech NUS
Ann Cognetti
Chemist/ Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573 SDG: 0912172 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF~~114B~~ 064 AC 6/29/10			13SOCF~~115A~~ 065 AC 6/29/10			13SOCF~~116A~~ 066 AC 6/29/10			13SOCF~~117A~~ 067 AC 6/29/10		
	LAB_ID	0912172-01			0912172-02			0912172-03			0912172-04		
	SAMP_DATE	12/18/2009			12/18/2009			12/18/2009			12/18/2009		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			77.0			82.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		24	U		24	U		24	U		24	U	
AROCLOR-1221		20	U		20	U		20	U		20	U	
AROCLOR-1232		7.5	U		7.5	U		7.5	U		7.5	U	
AROCLOR-1242		11	U		11	U		11	U		11	U	
AROCLOR-1248		32000			2700			750			48		
AROCLOR-1254		5.2	U		5.2	U		5.2	U		5.2	U	
AROCLOR-1260		10	U		10	U		10	U		10	U	

		AC 6/29/10			AC 6/29/10			AC 6/29/10		
PROJ_NO: 01573	NSAMPLE	13SOCF~~118A~~ 068			13SOCF~~119A~~ 069			13SOCF~~120A~~ 070		
SDG: 0912172	LAB_ID	0912172-05			0912172-06			0912172-07		
FRACTION: PEST/PCB	SAMP_DATE	12/18/2009			12/18/2009			12/18/2009		
MEDIA: SOIL	QC_TYPE	NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			65.0			76.0		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		24	U		24	U		24	U	
AROCLOR-1221		20	U		20	U		20	U	
AROCLOR-1232		7.5	U		7.5	U		7.5	U	
AROCLOR-1242		11	U		11	U		11	U	
AROCLOR-1248		67			310			69		
AROCLOR-1254		5.2	U		5.2	U		5.2	U	
AROCLOR-1260		10	U		20	J	P	10	U	

Appendix B

Results as Reported by the Laboratory

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~114B~~ 064 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	8900	U
11104-28-2	Aroclor-1221	7100	U
11141-16-5	Aroclor-1232	3000	U
53469-21-9	Aroclor-1242	4200	U
12672-29-6	Aroclor-1248	32000	
11097-69-1	Aroclor-1254	2400	U
11096-82-5	Aroclor-1260	3600	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~115A~~ 065 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1900	U
11104-28-2	Aroclor-1221	1600	U
11141-16-5	Aroclor-1232	650	U
53469-21-9	Aroclor-1242	910	U
12672-29-6	Aroclor-1248	2700	
11097-69-1	Aroclor-1254	520	U
11096-82-5	Aroclor-1260	780	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~116A~~ 066 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	750	
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	180	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF061A

AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	48	
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~118A~~ 068 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	67	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~119A~~ 069 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 35 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	120	U
11104-28-2	Aroclor-1221	92	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	310	
11097-69-1	Aroclor-1254	31	U
11096-82-5	Aroclor-1260	20	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF~~120A~~ 070 AC 6/29/10

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 0912172

Matrix: (soil/water) SOIL Lab Sample ID: 0912172-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 12/19/09

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/20/09

Concentrated Extract Volume: 5000(uL) Date Analyzed: 12/22/09

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	99	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	69	
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	39	U

FORM I PEST

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4302 | PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER: STEVE RUFFING	PHONE NUMBER: (412) 921-8989
SAMPLERS (SIGNATURE): JTFloyd	SWMU 13	FIELD OPERATIONS LEADER: JOHN T. FLOYD	PHONE NUMBER: (502) 693-1417
PLEASE EMAIL RESULTS TO: BETSY.COLLIUS@TETRATECH.COM, TIMOTHY.SMITH@TETRATECH.COM, JOHN.FLOYD@TETRATECH.COM		CARRIER/WAYBILL NUMBER: FEDEX / 8631-3888-2987	

LABORATORY NAME AND CONTACT: COMPUCHEM LABS / CATHY DOVER
ADDRESS: 501 MADISON AVENUE
CITY, STATE: CARY, NC 27513

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCBs SW-846 8082

BL Cox 6/29/10

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW-846 8082	Samples changed to * the following numbers:	COMMENTS
12/18	1545	~~13SOCF114B~~	B171 EAST	1	2	SO	C	1	1	13SOCF064	0912172-01
	1630	~~13SOCF115A~~	B171 EAST	0	0.5					13SOCF065	-02
	1520	~~13SOCF116A~~	B166 EAST							13SOCF066	-03
	1450	~~13SOCF117A~~	B171 WEST							13SOCF067	-04
	1425	~~13SOCF118A~~	B171 WEST							13SOCF068	-05
	1330	~~13SOCF119A~~	SWMU13 STOCKPILE							13SOCF069	-06
	1350	~~13SOCF120A~~	B169 WEST							13SOCF070	-07

*Sample numbers changed because the incorrect number sequence was used in the field (the sequence used was for wall samples).

1. RELINQUISHED BY: JTFloyd	DATE 12/18/2009	TIME	1. RECEIVED BY: Jennifer Dale	DATE 12/19/09	TIME 1030
2. RELINQUISHED BY:	DATE	TIME	2. RECEIVED BY:	DATE	TIME
3. RELINQUISHED BY:	DATE	TIME	3. RECEIVED BY:	DATE	TIME

COMMENTS: rec'd @ 0.1°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 4302

41

PROJECT NO: 112G01573	FACILITY: NSWC CRANE	PROJECT MANAGER: STEVE RUFFING	PHONE NUMBER: (412) 921-8989
SAMPLERS (SIGNATURE): JTFloyd	SWMU 13	FIELD OPERATIONS LEADER: JOHN T. FLOYD	PHONE NUMBER: (502) 693-1417
PLEASE EMAIL RESULTS TO: BETSY.COLLIUS@TETRATECH.COM, TIMOTHY.SMITH@TETRATECH.COM, JOHN.FLOYD@TETRATECH.COM		CARRIER/WAYBILL NUMBER: FEDEX / 8631-3888-2987	

LABORATORY NAME AND CONTACT: COMPUCHEM LABS / CATHY DOVER
ADDRESS: 501 MADISON AVENUE
CITY, STATE: CARY, NC 27513

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCBs SW-846 8082

DATE YEAR 2009	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW-846 8082	COMMENTS
12/18	1545	13SOCF114B	B171 EAST	1	2	SO	C	1	1	0912172-01
	1630	13SOCF115A	B171 EAST	0	0.5					-02
	1520	13SOCF116A	B166 EAST							-03
	1450	13SOCF117A	B171 WEST							-04
	1425	13SOCF118A	B171 WEST							-05
	1330	13SOCF119A	SWMU13 STOCKPILE							-06
	1350	13SOCF120A	B169 WEST							-07

1. RELINQUISHED BY: JTFloyd	DATE 12/18/2009	TIME	1. RECEIVED BY: Jennifer Dale	DATE 12/19/09	TIME 1030
2. RELINQUISHED BY:	DATE	TIME	2. RECEIVED BY:	DATE	TIME
3. RELINQUISHED BY:	DATE	TIME	3. RECEIVED BY:	DATE	TIME

COMMENTS: rec'd @ 0.1°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**JULY 2, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE/REV. 1**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB CTO F271, NSWC CRANE SDG 1001173**		
SAMPLES:	7 / SOIL / PCB (Aroclors)		

13SOF064A	13SOF064B	13SOF064C
13SOF064D	13SOF065A	13SOF065B
13SOF065C	13SOF065D	

OVERVIEW

The sample set for CTO F271, NSWC CRANE, SDG 1001173 consisted of eight (8) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCB/Aroclor).

The samples were collected by TetraTech NUS on January 28, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Detection Limits
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The RPD for the CLPEST and CLPEST2 columns was greater than the 25% quality control limit for sample 13SOF065D positive Aroclor-1260 result. The positive Aroclor-1260 result was qualified estimated, (J).

The positive Aroclor-1260 result for the undiluted analysis of sample 13SOF064D exceeded the calibration range. The dilution analysis of the sample was sufficiently high that the sample Aroclor-1260 was diluted out. The original undiluted analysis result for Aroclor-1260 was reported and qualified as estimated, (J), due to calibration range exceedance.

Notes

The sample numbers for the samples were incorrect as delivered from the field and logged in at the laboratory. The sample numbers have been corrected/changed in this letter and also manually corrected/changed in Appendix A and Appendix B. Appendix C was not corrected but sample numbers can be cross referenced using the following cross-reference table. Note that the "-DL" or "DL" indicates a dilution of the sample.

Sample Logged in as	Correct Sample Number
13SOF114AB	13SOF064A
13SOF114BB	13SOF064B
13SOF114CB	13SOF064C
13SOF114DB	13SOF064D
13SOF115AA	13SOF065A
13SOF115BA	13SOF065B
13SOF115CA	13SOF065C
13SOF115DA	13SOF065D

The laboratory performed a 20X dilution for Aroclor-1248 analysis on sample 13SOF064C, a 500X dilution for Aroclor-1248 analysis on sample 13SOF064D, a 10X dilution for Aroclor-1248 analysis on sample 13SOF065A, a 50X dilution for Aroclor-1248 analysis on sample 13SOF065B, a 10X dilution for Aroclor-1248 analysis on sample 13SOF065C, and a 20X dilution for Aroclor-1248 analysis on sample 13SOF065D due to the Aroclor-1248 levels above the linear calibration range.

Due to dilution some surrogate recoveries were outside the surrogate % recovery quality control limits. No action was taken for these surrogate recovery issues.

EXECUTIVE SUMMARY

Laboratory Performance Issues: The positive Aroclor-1260 result for sample 13SOF065D was qualified due to column RPD which exceeded the quality control limits.

Other Factors Affecting Data Quality: Samples were re-analyzed at various dilutions due to high levels of Aroclor-1248 in some samples.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – Positive result is considered estimated, "J", as a result of technical non-compliances.

UJ – Non-detected result is considered estimated, "UJ", as a result of technical non-compliances.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13SOF~~114AB~~ 064A			13SOF~~114BB~~ 064B			13SOF1~~14CB~~ 064C			13SOF~~114CB DL~~ 064C-DL		
SDG: 1001173	LAB_ID	1001173-01			1001173-02			1001173-03			1001173-03RE1		
FRACTION: PEST/PCB	SAMP_DATE	1/28/2010			1/28/2010			1/28/2010			1/28/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			84.0			83.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		87	U		89	U		90	U				
AROCLOR-1221		70	U		71	U		72	U				
AROCLOR-1232		29	U		30	U		30	U				
AROCLOR-1242		41	U		42	U		42	U				
AROCLOR-1248		45			270						3500		
AROCLOR-1254		23	U		24	U		24	U				
AROCLOR-1260		35	U		36	U		74					

* Sample Numbers corrected/changed JK 07/02/10

PROJ_NO: 01573	NSAMPLE	13SOF~~114DB~~ 064D	13SOF~~114DB-DL~~ 064D-DL	13SOF~~115AA~~ 065A	13SOF~~115AA-DL~~ 065A-DL
SDG: 1001173	LAB_ID	1001173-04	1001173-04RE1	1001173-05	1001173-05RE1
FRACTION: PEST/PCB	SAMP_DATE	1/28/2010	1/28/2010	1/28/2010	1/28/2010
MEDIA: SOIL	QC_TYPE	NM	NM	NM	NM
	UNITS	UG/KG	UG/KG	UG/KG	UG/KG
	PCT_SOLIDS	81.0	81.0	79.0	79.0
	DUP_OF				

PARAMETER	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016	93	U					95	U				
AROCLOR-1221	74	U					76	U				
AROCLOR-1232	31	U					32	U				
AROCLOR-1242	43	U					44	U				
AROCLOR-1248				100000						1600		
AROCLOR-1254	25	U					25	U				
AROCLOR-1260	1200	J	L				55					

* Sample Numbers corrected/changed JK 07/02/10

PROJ_NO: 01573	NSAMPLE	13SOF~~115BA~~ 065B			13SOF~~115BA-DL~~ 065B-DL			13SOF~~115CA~~ 065C			13SOF~~115CA-DL~~ 065C-DL		
SDG: 1001173	LAB_ID	1001173-06			1001173-06RE1			1001173-07			1001173-07RE1		
FRACTION: PEST/PCB	SAMP_DATE	1/28/2010			1/28/2010			1/28/2010			1/28/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	79.0			79.0			83.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		95	U					90	U				
AROCLOR-1221		76	U					72	U				
AROCLOR-1232		32	U					30	U				
AROCLOR-1242		44	U					42	U				
AROCLOR-1248					6800						1100		
AROCLOR-1254		25	U					24	U				
AROCLOR-1260		220						61					

* Sample Numbers corrected/changed * 07/02/10

PROJ_NO: 01573 SDG: 1001173 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOF~~118DA~~ 065D			13SOF~~115DA-DL~~ 065D-DL		
	LAB_ID	1001173-08			1001173-08RE1		
	SAMP_DATE	1/28/2010			1/28/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	67.0			67.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		110	U				
AROCLOR-1221		90	U				
AROCLOR-1232		37	U				
AROCLOR-1242		52	U				
AROCLOR-1248					4400		
AROCLOR-1254		30	U				
AROCLOR-1260		310	J	U			

* Sample numbers corrected/changed * 07/02/10

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

N62472-03-D-0057

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TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4299 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G01573	NSWC CRANE SWMU13	STEVE RUFFING	(412) 921-8989	COMPUCHEM LABS / CATHY DOVER
SAMPLERS (SIGNATURE) → JFloyd		FIELD OPERATIONS LEADER: JOHN T. FLOYD	PHONE NUMBER: (502) 693-1417	ADDRESS: 501 MADISON AVENUE
		CARRIER/WAYBILL NUMBER: FEDEX / 8631-3888-2998		CITY, STATE: CARY, NC 27513

* PLEASE EMAIL RESULTS TO:
BETSY.COLLINS@TETRATECH.COM
TIMOTHY.SMITH@TETRATECH.COM
JOHN.FLOYD@TETRATECH.COM

STANDARD TAT ☐
RUSH TAT ☒ → 5 DAY TAT
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)
TYPE OF ANALYSIS: PCBs SW-846 8082 (1-4 pos.)

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS			COMMENTS
01/20	1300	~~13SOF114AB~~	B171 EAST	1	2	SO	G	1	1	13SOF064A	1001173-01
		~~13SOF114BB~~								13SOF064B	-02
		~~13SOF114CB~~								13SOF064C	-03
		~~13SOF114DB~~								13SOF064D	-04
	1305	~~13SOF115AA~~	B171 S.A.	0	0.5					13SOF065A	-05
		~~13SOF115BA~~								13SOF065B	-06
		~~13SOF115CA~~								13SOF065C	-07
		~~13SOF115DA~~								13SOF065D	-08

Sample numbers changed to the following: *

6/29/10

1.29.10 Recd @ 3.3°C

* Sample numbers changed because the incorrect number sequence was used in the field (the sequence used was for wall samples).

1. RELINQUISHED BY: JFloyd	DATE 1/28/2010	TIME 2000	1. RECEIVED BY: K. Manning	DATE 1.29.10	TIME 0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

Run: SN0010

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~114AB~~ 064A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 KO 01/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	45	
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~114BB~~ 064B

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	270	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~114CB~~ 064C

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 *07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	2800	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	74	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF1~~14CBDL~~ 06ECDL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 JK 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-03RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1400	U
11141-16-5	Aroclor-1232	600	U
53469-21-9	Aroclor-1242	840	U
12672-29-6	Aroclor-1248	3500	D
11097-69-1	Aroclor-1254	480	U
11096-82-5	Aroclor-1260	720	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~114DB~~ 064D

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 JK 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	38000	E
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	1200	E

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~114DBDL~~ 0640 DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 K 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	46000	U
11104-28-2	Aroclor-1221	37000	U
11141-16-5	Aroclor-1232	15000	U
53469-21-9	Aroclor-1242	22000	U
12672-29-6	Aroclor-1248	100000	D
11097-69-1	Aroclor-1254	12000	U
11096-82-5	Aroclor-1260	19000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115AA~~ 065A

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 JK 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	95	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	1200	E
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	55	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF1~~15AADL~~ 065A DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-05RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	950	U
11104-28-2	Aroclor-1221	760	U
11141-16-5	Aroclor-1232	320	U
53469-21-9	Aroclor-1242	440	U
12672-29-6	Aroclor-1248	1600	D
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	380	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115BA~~ 065B *

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	95	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	4900	E
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	220	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115BADL~~ 065B DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 JK 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-06RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4700	U
11104-28-2	Aroclor-1221	3800	U
11141-16-5	Aroclor-1232	1600	U
53469-21-9	Aroclor-1242	2200	U
12672-29-6	Aroclor-1248	6800	D
11097-69-1	Aroclor-1254	1300	U
11096-82-5	Aroclor-1260	1900	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115CA~~ 065C

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 * 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	790	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	61	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115CADL~~ 065C DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 * 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-07RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	900	U
11104-28-2	Aroclor-1221	720	U
11141-16-5	Aroclor-1232	300	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	1100	D
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	360	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115DA~~ 0650

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 K

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-08 07/02/10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 33 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/04/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	90	U
11141-16-5	Aroclor-1232	37	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	3900	E
11097-69-1	Aroclor-1254	30	U
11096-82-5	Aroclor-1260	310	P

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOF~~115DADL~~ 065D DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1001173 07/02/10

Matrix: (soil/water) SOIL Lab Sample ID: 1001173-08RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 33 decanted: (Y/N) N Date Received: 01/29/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 02/03/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 02/09/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	2200	U
11104-28-2	Aroclor-1221	1800	U
11141-16-5	Aroclor-1232	750	U
53469-21-9	Aroclor-1242	1000	U
12672-29-6	Aroclor-1248	4400	D
11097-69-1	Aroclor-1254	600	U
11096-82-5	Aroclor-1260	900	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

N62472-03-D-0057

107

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4299 | PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE SWMU13	PROJECT MANAGER STEVE RUFFING	PHONE NUMBER (412) 921-8989	LABORATORY NAME AND CONTACT: COMPUCHEM LABS / CATHY DOVER
SAMPLERS (SIGNATURE) → JTFloyd		FIELD OPERATIONS LEADER JOHN T. FLOYD	PHONE NUMBER (502) 693-1417	ADDRESS 501 MADISON AVENUE
		CARRIER/WAYBILL NUMBER: FEDEX / 8631-3888-2998		CITY, STATE CARY, NC 27513

* PLEASE EMAIL RESULTS TO:
BETSY.COLLINS@TETRATECH.COM
TIMOTHY.SMITH@TETRATECH.COM
JOHN.FLOYD@TETRATECH.COM

STANDARD TAT ☐
RUSH TAT ☒ → 5 DAY TAT
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs SW-846 8082 (1-Liter)	COMMENTS
01/28	1300	13SOF114AB	B171 EAST	1	2	SO	G	1	1	1001173-01
		13SOF114BB								-02
		13SOF114CB								-03
		13SOF114DB								-04
	1305	13SOF115AA	B171 S.A.	0	0.5					-05
		13SOF115BA								-06
		13SOF115CA								-07
		13SOF115DA								-08

1.29.10 Rec'd @ 3.3°C

1. RELINQUISHED BY JTFloyd	DATE 1/28/2010	TIME 2000	1. RECEIVED BY K. Manning	DATE 1.29.10	TIME 0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

IRyan : SN0810

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

N62472-03-D-0057

107

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 4299 | PAGE 1 OF 1

PROJECT NO: 112G01573	FACILITY: NSWC CRANE SWMU13	PROJECT MANAGER: STEVE RUFFING	PHONE NUMBER: (412) 921-8989	LABORATORY NAME AND CONTACT: COMPUCHEM LABS / CATHY DOVER
SAMPLERS (SIGNATURE) → JTFloyd		FIELD OPERATIONS LEADER: JOHN T. FLOYD	PHONE NUMBER: (502) 693-1417	ADDRESS: 501 MADISON AVENUE
* PLEASE EMAIL RESULTS TO: BETSY.COLLINS@TETRATECH.COM TIMOTHY.SMITH@TETRATECH.COM JOHN.FLOYD@TETRATECH.COM		CARRIER/WAYBILL NUMBER: FEDEX / 8631-3888-2998		CITY, STATE: CARY, NC 27513

STANDARD TAT ☐ RUSH TAT ☒ → 5 DAY TAT
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: ICE (4°C)

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs SW-846 8082 (1-4 oz.)	COMMENTS
01/20	1300	13SOF114AB	B171 EAST	1	2	SO	G	1	1	1001173-01
		13SOF114BB								-02
		13SOF114CB								-03
		13SOF114DB								-04
	1305	13SOF115AA	B171 S.A.	0	0.5					-05
		13SOF115BA								-06
		13SOF115CA								-07
		13SOF115DA								-08

@ 1.29.10 Rec'd @ 3.3°C

1. RELINQUISHED BY: JTFloyd	DATE: 1/28/2010	TIME: 2000	1. RECEIVED BY: K. Manning	DATE: 1.29.10	TIME: 0930
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: IRyan : SN0810

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TINUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**MAY 14, 2010**
FROM:	**LEANNE M. GANSER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – PCB CTO F271, NSWC CRANE SDG 1003154**		
SAMPLES:	10 / Soil		

13SOCF071	13SOCF072	13SOCF073	13SOCF074	13SOCW114
13SOCW115	13SOCW116	13SOCW117	13SOCW118	13SOCW119

OVERVIEW

The sample set for CTO F271, NSWC Crane, SDG 1003154 consists of ten (10) soil environmental samples. No field duplicate pairs were included with this SDG.

All samples were analyzed for polychlorinated biphenyls (PCBs). The samples were collected by Tetra Tech NUS on March 18, 2010 and analyzed by Compu Chem. All analyses were conducted using USEPA SW 846 Method 8082. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibration Recoveries
* • Laboratory Method/Preparation Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample (LCS)/ LCS Duplicate Results
* • Detection Limits
* • Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Notes

All analytes in samples 13SOCF073 and 13SOCW119 were analyzed at 5000X and 2000X dilution, respectively, to bring concentration of aroclor-1248 into calibration range.

Results for aroclor-1248 analyzed at a 5X dilution were reported for samples 13SOCF071, 13SOCF074, and 13SOCW114 to bring concentration of aroclor-1248 into calibration range.

Surrogates were diluted out in samples 13SOCF073 and 13SOCW119, which were analyzed at dilution; no qualifications were taken on this basis.

There were no associated matrix spike / matrix spike duplicate for this SDG.

TO: **S. RUFFING– PAGE 2**
DATE: **MAY 14, 2010**

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Leanne M. Ganser
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS-GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13SOCF071			13SOCF071-RE			13SOCF072			13SOCF073		
SDG: 1003154	LAB_ID	1003154-01			1003154-01RE1			1003154-02			1003154-03		
FRACTION: PEST/PCB	SAMP_DATE	3/18/2010			3/18/2010			3/18/2010			3/18/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0			89.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U					84	U		450000	U	
AROCLOR-1221		71	U					67	U		360000	U	
AROCLOR-1232		30	U					28	U		150000	U	
AROCLOR-1242		42	U					39	U		210000	U	
AROCLOR-1248					530			18	J	P	1100000		
AROCLOR-1254		24	U					22	U		120000	U	
AROCLOR-1260		31	J	P				34	U		180000	U	

PROJ_NO: 01573 SDG: 1003154 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCF074			13SOCF074-RE			13SOCW114			13SOCW114-RE		
	LAB_ID	1003154-04			1003154-04RE1			1003154-05			1003154-05RE1		
	SAMP_DATE	3/18/2010			3/18/2010			3/18/2010			3/18/2010		
	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			88.0			81.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		85	U					93	U				
AROCLOR-1221		68	U					74	U				
AROCLOR-1232		28	U					31	U				
AROCLOR-1242		40	U					43	U				
AROCLOR-1248					440						540		
AROCLOR-1254		23	U					25	U				
AROCLOR-1260		34	U					19	J	P			

PROJ_NO: 01573	NSAMPLE	13SOCW115			13SOCW116			13SOCW117			13SOCW118		
SDG: 1003154	LAB_ID	1003154-06			1003154-07			1003154-08			1003154-09		
FRACTION: PEST/PCB	SAMP_DATE	3/18/2010			3/18/2010			3/18/2010			3/18/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			85.0			86.0			90.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		88	U		87	U		83	U	
AROCLOR-1221		71	U		71	U		70	U		67	U	
AROCLOR-1232		30	U		29	U		29	U		28	U	
AROCLOR-1242		42	U		41	U		41	U		39	U	
AROCLOR-1248		52			90			29	U		28	U	
AROCLOR-1254		24	U		24	U		23	U		22	U	
AROCLOR-1260		36	U		35	U		35	U		33	U	

PROJ_NO: 01573	NSAMPLE	13SOCW119		
SDG: 1003154	LAB_ID	1003154-10		
FRACTION: PEST/PCB	SAMP_DATE	3/18/2010		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	82.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		180000	U	
AROCLOR-1221		150000	U	
AROCLOR-1232		61000	U	
AROCLOR-1242		85000	U	
AROCLOR-1248		350000		
AROCLOR-1254		49000	U	
AROCLOR-1260		73000	U	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF071

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	410	E
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	31	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF071DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/24/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	530	D
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	180	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF072

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	84	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	18	J
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF073

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/23/10

Injection Volume: 1.0(uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	450000	U
11104-28-2	Aroclor-1221	360000	U
11141-16-5	Aroclor-1232	150000	U
53469-21-9	Aroclor-1242	210000	U
12672-29-6	Aroclor-1248	1100000	
11097-69-1	Aroclor-1254	120000	U
11096-82-5	Aroclor-1260	180000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF074

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	340	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF074DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/23/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	430	U
11104-28-2------	Aroclor-1221	340	U
11141-16-5------	Aroclor-1232	140	U
53469-21-9------	Aroclor-1242	200	U
12672-29-6------	Aroclor-1248	440	D
11097-69-1------	Aroclor-1254	110	U
11096-82-5------	Aroclor-1260	170	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW114

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	490	E
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	19	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW114DL

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-05RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/23/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	460	U
11104-28-2	Aroclor-1221	370	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	220	U
12672-29-6	Aroclor-1248	540	D
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	190	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW115

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	52	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW116

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	90	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW117

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW118

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 10 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/21/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	83	U
11104-28-2------	Aroclor-1221	67	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	39	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	33	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW119

Lab Name: COMPUCHEM Contract: 8082

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1003154

Matrix: (soil/water) SOIL Lab Sample ID: 1003154-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 03/19/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/19/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 03/23/10

Injection Volume: 1.0(uL) Dilution Factor: 2000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	180000	U
11104-28-2	Aroclor-1221	150000	U
11141-16-5	Aroclor-1232	61000	U
53469-21-9	Aroclor-1242	85000	U
12672-29-6	Aroclor-1248	350000	
11097-69-1	Aroclor-1254	49000	U
11096-82-5	Aroclor-1260	73000	U

FORM I PEST

APPENDIX C
SUPPORT DOCUMENTATION

98

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2139 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00041	NSA CRANE	STEVE RUFFING	412-921-7090	COMPUCHEM
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: GEORGE TEN EYCK	PHONE NUMBER: 513-557-5043	ADDRESS: 501 MADISON AVE
		CARRIER/WAYBILL NUMBER: FEDEX		CITY, STATE: CARY, NC 27513

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C
TYPE OF ANALYSIS: PCBs SW-846 8082

DATE YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs SW-846 8082						COMMENTS
3/18	1015	13SOCF071	13	0	0.5	SO	C	1	X				1003154-01		EXTRACT & ANALYZE
3/18	1100	13SOCF072	13	0	0.5	SO	C	1	X					-02	
3/18	1100	13SOCF073	13	0	0.5	SO	C	1	X					-03	
3/18	1315	13SOCF074	13	0	0.5	SO	C	1	X					-04	
3/18	1030	13SOCW114	13	0	0.5	SO	C	1	X					-05	
3/18	1030	13SOCW115	13	0	0.5	SO	C	1	X					-06	
3/18	1030	13SOCW116	13	0	0.5	SO	C	1	X					-07	
3/18	1100	13SOCW117	13	0	0.5	SO	C	1	X					-08	
3/18	1100	13SOCW118	13	0	0.5	SO	C	1	X					-09	
3/18	1300	13SOCW119	13	0	0.5	SO	C	1	X					-10	

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: George Ten Eyck	3/18/2010	4:53	1. RECEIVED BY: William Byrd	3-19-10	0915
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: Temp 0.2°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

SN0015 4/02R
FORM NO. TINUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**JUNE 4, 2010**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION –PCB CTO F271, NSWC CRANE SDG 1004184**		
SAMPLES:	5 / PCB / Soil		

13SOCF091 13S0CW122 13SOCW123 13SOCW124
13SOCW125

OVERVIEW

The sample set for CTO F271; NSWC CRANE, SDG 1004184 consists of five (5) soil environmental samples. The samples were analyzed for polychlorinated biphenyls (PCBs).

The samples were collected by TetraTech NUS on April 21, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using USEPA SW 846 Method 8082 analytical and reporting protocol. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
* • Detection Limits
  • Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The relative percent difference (RPD) between columns exceeded 25% for the following Aroclor. The positive result was reported as estimated, (J) for the Aroclor below:

Sample	Compound	%D
13SOCW125	Aroclor-1248	85.7%

Additional Comments

The surrogates for samples 13SOCW124, 13SOCF091, and 13SOCW122 were diluted out because of concentrations of PCBs greater than the linear calibration of the instrument. No validation action was required.

All samples, except sample 13SOCW125, were diluted because of concentrations greater than the linear range of the instrument for Aroclor-1248. No action was taken on this basis.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: A percent difference between analytical columns noncompliance for Aroclor-1248 resulted in the qualification of data.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$ / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 01573	NSAMPLE	13SOCF091			13SOCW122			13SOCW123			13SOCW124		
SDG: 1004184	LAB_ID	1004184-01			1004184-02			1004184-03			1004184-04		
FRACTION: PEST/PCB	SAMP_DATE	4/21/2010			4/21/2010			4/21/2010			4/21/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			83.0			85.0			78.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		92000	U		180000	U		4400	U		19000	U	
AROCLOR-1221		74000	U		140000	U		3500	U		15000	U	
AROCLOR-1232		31000	U		60000	U		1500	U		6400	U	
AROCLOR-1242		43000	U		84000	U		2000	U		9000	U	
AROCLOR-1248		180000			250000			8500			42000		
AROCLOR-1254		25000	U		48000	U		1200	U		5100	U	
AROCLOR-1260		37000	U		72000	U		1800	U		7700	U	

PROJ_NO: 01573	NSAMPLE	13SOCW125		
SDG: 1004184	LAB_ID	1004184-05		
FRACTION: PEST/PCB	SAMP_DATE	4/21/2010		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	84.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		89	U	
AROCLOR-1221		71	U	
AROCLOR-1232		30	U	
AROCLOR-1242		42	U	
AROCLOR-1248		44	J	U
AROCLOR-1254		24	U	
AROCLOR-1260		36	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF091

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1004184

Matrix: (soil/water) SOIL Lab Sample ID: 1004184-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 04/22/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:04/22/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/26/10

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	92000	U
11104-28-2------	Aroclor-1221	74000	U
11141-16-5------	Aroclor-1232	31000	U
53469-21-9------	Aroclor-1242	43000	U
12672-29-6------	Aroclor-1248	180000	
11097-69-1------	Aroclor-1254	25000	U
11096-82-5------	Aroclor-1260	37000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW122

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1004184

Matrix: (soil/water) SOIL Lab Sample ID: 1004184-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 04/22/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/22/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/26/10

Injection Volume: 1.0(uL) Dilution Factor: 2000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	180000	U
11104-28-2------	Aroclor-1221	140000	U
11141-16-5------	Aroclor-1232	60000	U
53469-21-9------	Aroclor-1242	84000	U
12672-29-6------	Aroclor-1248	250000	
11097-69-1------	Aroclor-1254	48000	U
11096-82-5------	Aroclor-1260	72000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW123

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1004184

Matrix: (soil/water) SOIL Lab Sample ID: 1004184-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 04/22/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/22/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/26/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	4400	U
11104-28-2------	Aroclor-1221	3500	U
11141-16-5------	Aroclor-1232	1500	U
53469-21-9------	Aroclor-1242	2000	U
12672-29-6------	Aroclor-1248	8500	
11097-69-1------	Aroclor-1254	1200	U
11096-82-5------	Aroclor-1260	1800	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW124

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1004184

Matrix: (soil/water) SOIL Lab Sample ID: 1004184-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 04/22/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 04/22/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/25/10

Injection Volume: 1.0(uL) Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	19000	U
11104-28-2	Aroclor-1221	15000	U
11141-16-5	Aroclor-1232	6400	U
53469-21-9	Aroclor-1242	9000	U
12672-29-6	Aroclor-1248	42000	
11097-69-1	Aroclor-1254	5100	U
11096-82-5	Aroclor-1260	7700	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW125

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1004184

Matrix: (soil/water) SOIL Lab Sample ID: 1004184-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 04/22/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:04/22/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 04/23/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	44	P
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 2141 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00041	NSA Crane SWMU13	Steve Ruffing	412-921-8989	Cathy Dover at Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
Betsy Collins		Betsy Collins	412-404-2812	501 Madison Avenue
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex 8631 3888 3078		Cary, NC 27513

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☑ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C
TYPE OF ANALYSIS: SW 8446 8082 (PCB) (1-4 oz.) ~~8082 (PESS)~~

Rec'd. @3.8°C

DATE April 21 YEAR 2010	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS								COMMENTS
4/21	1015	13SOCF091	F091	0	0.5	SO	C	1	X				1004184-01			>1 ppm ~~(at least)~~ <25ppm
4/21	1030	13SOCW122	W122	0	0.5	SO	C	1	X				-02			>1 ppm, <25ppm
4/21	1040	13SOCW123	W123	0	0.5	SO	C	1	X				-03			HOT
4/21	1100	13SOCW124	W124	0	0.5	SO	C	1	X				-04			HOT
4/21	1115	13SOCW125	W125	0	0.5	SO	C	1	X				-05			>1 ppm, <25 ppm

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Betsy Collins	4-21-10	3 pm	1. RECEIVED BY K. Manning	04.22.10	0920
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS SN0015

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 22, 2010**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO 377, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 1005084

SAMPLES: 20/Solid/PCB

13SB1430002	13SB1430203	13SB1440002	13SB1440203
13SB1450002	13SB1450204	13SB1450405	13SB1460002
13SB1470204	13SB1480002	13SB1480204	13SB1490002
13SB1490204	13SB1500002	13SB1500204	13SB1500406
13SB1510002	13SB1510204	13SB1520002	13SB1520204

OVERVIEW

The sample set for NSWC CRANE, CTO 377, SDG 1005084 consists of twenty (20) solid environmental samples. All samples were analyzed polychlorinated biphenyls (PCBs). There were two (2) field duplicate pairs included within this SDG: 13SB151002/ FD05710-01 and 13SB1510204/ FD050710-02. FD05710-01 and FD050710-02 are included in SDG 1005086.

The samples were collected on May 7, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times and Preservation
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Laboratory Control Sample Recoveries
• Matrix Spike / Matrix Spike Duplicate Recoveries
• Field Duplicate Precision
* • Detection Limits
* • Compound Quantitation
* • Compound Identification

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCBs

The percent difference (%D) in concentration between columns of Aroclor 1260 in sample 13SB1440002 was greater than the 25% quality control limit but less than 100%. The positive Aroclor 1260 result in sample 13SB1440002 was qualified as estimated (J).

Field duplicate imprecision was noted in the field duplicate pair 13SB1510002 and FD050710-01 for Aroclor

1260. The Relative Percent Difference (RPD) was greater than the 50% quality control limit. The positive Aroclor 1260 results were qualified as estimated (J) due to this noncompliance.

Notes

The matrix spike/ matrix spike duplicate (MS/MSD) percent recovery (%R) and relative percent difference (RPD) were greater than the upper quality control limit for Aroclor 1016 in sample 13SB1450405. No action was taken on the nondetected Aroclor 1016 result in sample 13SB1450405.

Several samples had target analytes with concentrations exceeding the instrument calibration range. Samples with target analytes exceeding the original sample concentration were diluted and reanalyzed. The diluted concentration of the target analyte that was within calibration range was used for validation purposes. Some samples were diluted in the original analysis and have elevated nondetected levels. The following outlines the original sample dilution and target analyte exceeding concentration limit dilution:

Sample	Original Sample Dilution	Subsequent Target Analyte Dilution
13SB1430002	50X	5000X (Aroclor 1016 and Aroclor 1248)
13SB1430203	1X	100X (Aroclor 1016 and Aroclor 1248)
13SB1440002	1X	10X (Aroclor 1248)
13SB1440203	10X	500X (Aroclor 1248)
13SB1450002	10X	100X (Aroclor 1248)
13SB1450405	1X	5X (Aroclor 1248)
13SB1460002	1X	50X (Aroclor 1248)
13SB1480002	1X	5X (Aroclor 1248)
13SB1490002	1X	20X (Aroclor 1248)
13SB1500002	1X	20X (Aroclor 1248)
13SB1510002	10X	100X (Aroclor 1248)

Positive results less than the reporting limit (RL) were qualified as estimated, (J), due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: The %D in concentration between columns of Aroclor 1260 in sample 13SB1440002 was greater than the quality control limit resulting in the qualification of data.

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for Aroclor 1260 in the field duplicate pair 13SB1510002 and FD050710-01.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti

Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

Edward Wallmyer for

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

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G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
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N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
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Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1430002			13SB1430002RE			13SB1430203			13SB1430203RE		
SDG: 1005084	LAB_ID	1005084-02			1005084-02RE1			1005084-03			1005084-03RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0			88.0			88.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					1300000						20000		
AROCLOR-1221		3600	U					68	U				
AROCLOR-1232		1500	U					28	U				
AROCLOR-1242		2100	U					40	U				
AROCLOR-1248					690000						8900		
AROCLOR-1254		1200	U					23	U				
AROCLOR-1260		6700						77					

PROJ_NO: 00041	NSAMPLE	13SB1440002			13SB1440002RE			13SB1440203			13SB1440203RE		
SDG: 1005084	LAB_ID	1005084-04			1005084-04RE1			1005084-05			1005084-05RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			83.0			85.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U					880	U				
AROCLOR-1221		72	U					710	U				
AROCLOR-1232		30	U					290	U				
AROCLOR-1242		42	U					410	U				
AROCLOR-1248					1200						80000		
AROCLOR-1254		24	U					240	U				
AROCLOR-1260		22	J	PU				870					

PROJ_NO: 00041	NSAMPLE	13SB1450002			13SB1450002RE			13SB1450204			13SB1450405		
SDG: 1005084	LAB_ID	1005084-06			1005084-06RE1			1005084-07			1005084-01		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			88.0			87.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		850	U					120			87	U	
AROCLOR-1221		680	U					69	U		70	U	
AROCLOR-1232		280	U					29	U		29	U	
AROCLOR-1242		400	U					40	U		41	U	
AROCLOR-1248					30000			52					
AROCLOR-1254		230	U					23	U		23	U	
AROCLOR-1260		430						34	U		14	J	P

PROJ_NO: 00041	NSAMPLE	13SB1450405RE			13SB1460002			13SB1460002RE			13SB1470204		
SDG: 1005084	LAB_ID	1005084-01RE1			1005084-08			1005084-08RE1			1005084-09		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			86.0			86.0			89.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					87	U					84	U	
AROCLOR-1221					70	U					67	U	
AROCLOR-1232					29	U					28	U	
AROCLOR-1242					41	U					39	U	
AROCLOR-1248		860						8400			49		
AROCLOR-1254					23	U					22	U	
AROCLOR-1260					140						34	U	

PROJ_NO: 00041	NSAMPLE	13SB1480002			13SB1480002RE			13SB1480204			13SB1490002		
SDG: 1005084	LAB_ID	1005084-10			1005084-10RE1			1005084-11			1005084-12		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0			88.0			80.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U					85	U		94	U	
AROCLOR-1221		71	U					68	U		75	U	
AROCLOR-1232		30	U					28	U		31	U	
AROCLOR-1242		42	U					40	U		44	U	
AROCLOR-1248					480			28	U				
AROCLOR-1254		24	U					23	U		25	U	
AROCLOR-1260		36	U					34	U		74		

PROJ_NO: 00041	NSAMPLE	13SB1490002RE			13SB1490204			13SB1500002			13SB1500002RE		
SDG: 1005084	LAB_ID	1005084-12RE1			1005084-13			1005084-14			1005084-14RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	80.0			87.0			85.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					86	U		88	U				
AROCLOR-1221					69	U		71	U				
AROCLOR-1232					29	U		29	U				
AROCLOR-1242					40	U		41	U				
AROCLOR-1248		4000			62						3900		
AROCLOR-1254					23	U		24	U				
AROCLOR-1260					34	U		78					

PROJ_NO: 00041	NSAMPLE	13SB1500204			13SB1500406			13SB1510002			13SB1510002RE		
SDG: 1005084	LAB_ID	1005084-15			1005084-16			1005084-17			1005084-17RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			84.0			81.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		91	U		89	U		930	U				
AROCLOR-1221		73	U		71	U		740	U				
AROCLOR-1232		30	U		30	U		310	U				
AROCLOR-1242		43	U		42	U		430	U				
AROCLOR-1248		62			30	U					30000		
AROCLOR-1254		24	U		24	U		250	U				
AROCLOR-1260		37	U		36	U		470	J	G			

PROJ_NO: 00041 SDG: 1005084 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SB1510204			13SB1520002			13SB1520204		
	LAB_ID	1005084-18			1005084-19			1005084-20		
	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010		
	QC_TYPE	NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			87.0			81.0		
	DUP_OF									
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		91	U		86	U		93	U	
AROCLOR-1221		73	U		69	U		74	U	
AROCLOR-1232		30	U		29	U		31	U	
AROCLOR-1242		43	U		40	U		43	U	
AROCLOR-1248		27	J	P	16	J	P	31	U	
AROCLOR-1254		24	U		23	U		25	U	
AROCLOR-1260		37	U		34	U		37	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1430002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	850000	E
11104-28-2	Aroclor-1221	3600	U
11141-16-5	Aroclor-1232	1500	U
53469-21-9	Aroclor-1242	2100	U
12672-29-6	Aroclor-1248	380000	E
11097-69-1	Aroclor-1254	1200	U
11096-82-5	Aroclor-1260	6700	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1430002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-02RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1300000	D
11104-28-2	Aroclor-1221	360000	U
11141-16-5	Aroclor-1232	150000	U
53469-21-9	Aroclor-1242	210000	U
12672-29-6	Aroclor-1248	690000	D
11097-69-1	Aroclor-1254	120000	U
11096-82-5	Aroclor-1260	180000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1430203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	11000	E
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	5200	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	77	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1430203DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-03RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	20000	D
11104-28-2	Aroclor-1221	6800	U
11141-16-5	Aroclor-1232	2800	U
53469-21-9	Aroclor-1242	4000	U
12672-29-6	Aroclor-1248	8900	D
11097-69-1	Aroclor-1254	2300	U
11096-82-5	Aroclor-1260	3400	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1440002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	1100	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	22	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1440002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	900	U
11104-28-2	Aroclor-1221	720	U
11141-16-5	Aroclor-1232	300	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	1200	D
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	360	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1440203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	880	U
11104-28-2------	Aroclor-1221	710	U
11141-16-5------	Aroclor-1232	290	U
53469-21-9------	Aroclor-1242	410	U
12672-29-6------	Aroclor-1248	51000	E
11097-69-1------	Aroclor-1254	240	U
11096-82-5------	Aroclor-1260	870	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1440203DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-05RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	44000	U
11104-28-2	Aroclor-1221	35000	U
11141-16-5	Aroclor-1232	15000	U
53469-21-9	Aroclor-1242	21000	U
12672-29-6	Aroclor-1248	80000	D
11097-69-1	Aroclor-1254	12000	U
11096-82-5	Aroclor-1260	18000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1450002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	850	U
11104-28-2	Aroclor-1221	680	U
11141-16-5	Aroclor-1232	280	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	27000	E
11097-69-1	Aroclor-1254	230	U
11096-82-5	Aroclor-1260	430	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1450002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-06RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	8500	U
11104-28-2------	Aroclor-1221	6800	U
11141-16-5------	Aroclor-1232	2800	U
53469-21-9------	Aroclor-1242	4000	U
12672-29-6------	Aroclor-1248	30000	D
11097-69-1------	Aroclor-1254	2300	U
11096-82-5------	Aroclor-1260	3400	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1450204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	120	
11104-28-2------	Aroclor-1221	69	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	52	
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1450405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	750	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	14	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1450405DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	440	U
11104-28-2	Aroclor-1221	350	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	200	U
12672-29-6	Aroclor-1248	860	D
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	170	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1460002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	6000	E
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	140	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1460002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-08RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4400	U
11104-28-2	Aroclor-1221	3500	U
11141-16-5	Aroclor-1232	1500	U
53469-21-9	Aroclor-1242	2000	U
12672-29-6	Aroclor-1248	8400	D
11097-69-1	Aroclor-1254	1200	U
11096-82-5	Aroclor-1260	1700	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1470204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	84	U
11104-28-2------	Aroclor-1221	67	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	39	U
12672-29-6------	Aroclor-1248	49	
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1480002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	430	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1480002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-10RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	450	U
11104-28-2	Aroclor-1221	360	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	210	U
12672-29-6	Aroclor-1248	480	D
11097-69-1	Aroclor-1254	120	U
11096-82-5	Aroclor-1260	180	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1480204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1490002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	94	U
11104-28-2------	Aroclor-1221	75	U
11141-16-5------	Aroclor-1232	31	U
53469-21-9------	Aroclor-1242	44	U
12672-29-6------	Aroclor-1248	3800	E
11097-69-1------	Aroclor-1254	25	U
11096-82-5------	Aroclor-1260	74	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1490002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-12RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	1900	U
11104-28-2------	Aroclor-1221	1500	U
11141-16-5------	Aroclor-1232	630	U
53469-21-9------	Aroclor-1242	880	U
12672-29-6------	Aroclor-1248	4000	D
11097-69-1------	Aroclor-1254	500	U
11096-82-5------	Aroclor-1260	750	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1490204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	86	U
11104-28-2------	Aroclor-1221	69	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	62	
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1500002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	3100	E
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	78	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1500002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-14RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1400	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	820	U
12672-29-6	Aroclor-1248	3900	D
11097-69-1	Aroclor-1254	470	U
11096-82-5	Aroclor-1260	710	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1500204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	62	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1500406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1510002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	930	U
11104-28-2	Aroclor-1221	740	U
11141-16-5	Aroclor-1232	310	U
53469-21-9	Aroclor-1242	430	U
12672-29-6	Aroclor-1248	24000	E
11097-69-1	Aroclor-1254	250	U
11096-82-5	Aroclor-1260	470	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1510002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-17RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	9300	U
11104-28-2------	Aroclor-1221	7400	U
11141-16-5------	Aroclor-1232	3100	U
53469-21-9------	Aroclor-1242	4300	U
12672-29-6------	Aroclor-1248	30000	D
11097-69-1------	Aroclor-1254	2500	U
11096-82-5------	Aroclor-1260	3700	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1510204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	27	J
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1520002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	16	J
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1520204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005084

Matrix: (soil/water) SOIL Lab Sample ID: 1005084-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/11/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	93	U
11104-28-2------	Aroclor-1221	74	U
11141-16-5------	Aroclor-1232	31	U
53469-21-9------	Aroclor-1242	43	U
12672-29-6------	Aroclor-1248	31	U
11097-69-1------	Aroclor-1254	25	U
11096-82-5------	Aroclor-1260	37	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 6 — 20992 — 214

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen DR
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins G. TenEyck

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4oz	PCB SW 846 (1-4oz) 8082																
1005084-02	13SB143 0002	5/7/10	8:57	SO	1						X	X																
-03	13 SB 143 0203		8:57		1							X																
-04	13 SB 144 0002		9:00		1							X																
-05	13 SB 144 0203		0900		1							X																
-06	13 SB 145 0002		0905		1							X																
-07	13 SB 145 0204		0905		1							X																
1005084-01	13 SB 145 0405		0905		2							X						MS/MSD										
-08	13 SB 146 0002		0912		1							X																
1005085-01	13 SB 146 0204		0912		2							X						MS/MSD										
1005086-01	13 SB 147 0002		0918		2							X							MS/MSD									

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N
625 & Phenol samples checked for chlorine? Y or N
608 samples checked for pH between 5.0-9.0? Y or N

Sample Custody

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: [illegible]	Date/Time: 5/8/10 1500
Relinquished by: [illegible]	Date/Time: 5/11/10 0910	Received by: K. Manning	Date/Time: 5/11/10 0910
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N / On Ice? Y or N	Cooler Temp: 0.8, 0.2, 1.4, 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

24751

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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins & Tony Klimek

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Requested Analysis and Container Preservation

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4°C	SW 846 Meth 8082 (RB)
1005084-09	13 SB 147 0204	5/7/10	0918	SO	1							X
-10	13 SB 148 0002		1017									X
-11	13 SB 148 0204		1017									X
-12	13 SB 149 0002		1050									X
-13	13 SB 149 0204		1050									X
-14	13 SB 150 0002		1115									X
-15	13 SB 150 0204		1115									X
-16	13 SB 150 0406		1115									X
-17	13 SB 151 0002		1145									X
-18	13 SB 151 0204		1145									X

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N
625 & Phenol samples checked for chlorine? Y or N
608 samples checked for pH between 5.0-9.0? Y or N

Sample Custody Log

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: [illegible]	Date/Time: 5/8/10 1500
Relinquished by: [illegible]	Date/Time: 5/10/10 0900	Received by: K. Manning	Date/Time:
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N / On Ice? Y or N	Cooler Temp: 02, 1.4, 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

24752

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CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B 171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Requested Analysis and Container Information

Matrix
GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other ice	SW 846 Meth 8082 (PCB) (1-4 oz)
1005084-19	13 SB 152 0002	5/7/10	1200	SO	1							X
-20	13 SB 152 0204		1200									X
1005085-02	13 SB 152 0405		1200									X
-03	13 SB 153 0002		1135									X
-04	13 SB 153 0204		1135									X
-05	13 SB 153 0406		1135									X
-06	13 SB 154 0002		1105									X
-07	13 SB 154 0204		1105									X
-08	13 SB 154 0405		1105									X
-09	13 SB 155 0002		1040									X

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Sample Custody

Relinquished by: Betsy Collins — Date/Time: 5/8/10 1500 — Received by: [illegible] — Date/Time: 5/9/10 1500
Relinquished by: [illegible] — Date/Time: 5/10/10 0900 — Received by: K. Manning — Date/Time: 5/11/10 0910
Subcontact? Y or N If yes, where? — Custody Seal(s) intact? Y or N — On Ice? Y or N — Cooler Temp: 0.2; 2.4; 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0010

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 22, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB NSWC CRANE, CTO 377 SDG 1005085**		
SAMPLES:	20 / Soil / PCB (Aroclors)		

13SB1460204	13SB1520405	13SB1530002
13SB1530204	13SB1530406	13SB1540002
13SB1540204	13SB1540405	13SB1550002
13SB1550204	13SB1560002	13SB1560204
13SB1560406	13SB1570204	13SB1570405
13SB1580204	13SB1640204	13SB1640406
13SB1650204	13SB1650405	

OVERVIEW

The sample set for NSWC CRANE, CTO 377 SDG 1005085 consisted of twenty (20) soil environmental samples. There was one field duplicate pair associated with this sample delivery group (SDG) and SDG 1005086; FD050710-03 (SDG 1005086) / 13SB1640204. All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on May 7 and 8, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Matrix Spike/Matrix Spike Duplicate Results
* • Blank Spike/Blank Spike Duplicate Results
* • Detection Limits
* • Field Duplicate Precision
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The RPD for the CLPEST and CLPEST2 columns was greater than the 25% quality control limit for sample 13SB1530406 positive Aroclor-1248 result. The positive Aroclor-1248 result was qualified estimated, (J).

NOTES

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The laboratory performed a 20X dilution for Aroclor-1248 analysis on sample 13SB1540002 and a 5X dilution for Aroclor-1248 analysis on sample 13SB1560002 due to the Aroclor-1248 levels above the linear calibration range for the undiluted sample analysis.

The lower result of the two column analyses was reported by the laboratory for all positive analytes.

EXECUTIVE SUMMARY

Laboratory Performance Issues: The positive Aroclor-1248 result for sample 13SB1530406 was qualified due to column RPD which exceeded the quality control limits.

Other Factors Affecting Data Quality: Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J). Samples were re-analyzed at various dilutions due to levels of Aroclor-1248 which exceeded the highest calibration level for undiluted analyses.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1460204			13SB1520405			13SB1530002			13SB1530204		
SDG: 1005085	LAB_ID	1005085-01			1005085-02			1005085-03			1005085-04		
FRACTION: PEST/PCB	SAMP_DATE	5/10/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			82.0			80.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		91	U		94	U		90	U	
AROCLOR-1221		71	U		73	U		75	U		72	U	
AROCLOR-1232		30	U		30	U		31	U		30	U	
AROCLOR-1242		42	U		43	U		44	U		42	U	
AROCLOR-1248		27	J	P	30	U		31	U		30	U	
AROCLOR-1254		24	U		24	U		25	U		24	U	
AROCLOR-1260		36	U		37	U		38	U		36	U	

PROJ_NO: 00041	NSAMPLE	13SB1530406			13SB1540002			13SB1540002-RE			13SB1540204		
SDG: 1005085	LAB_ID	1005085-05			1005085-06			1005085-06RE1			1005085-07		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			85.0			85.0			77.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		91	U		88	U					97	U	
AROCLOR-1221		73	U		71	U					78	U	
AROCLOR-1232		30	U		29	U					32	U	
AROCLOR-1242		43	U		41	U					45	U	
AROCLOR-1248		15	J	PU				3000			87		
AROCLOR-1254		24	U		24	U					26	U	
AROCLOR-1260		37	U		46						39	U	

PROJ_NO: 00041	NSAMPLE	13SB1540405			13SB1550002			13SB1550204			13SB1560002		
SDG: 1005085	LAB_ID	1005085-08			1005085-09			1005085-10			1005085-11		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			81.0			80.0			88.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		85	U		93	U		94	U		85	U	
AROCLOR-1221		68	U		74	U		75	U		68	U	
AROCLOR-1232		28	U		31	U		31	U		28	U	
AROCLOR-1242		40	U		43	U		44	U		40	U	
AROCLOR-1248		28	U		110			14	J	P			
AROCLOR-1254		23	U		25	U		25	U		23	U	
AROCLOR-1260		34	U		37	U		38	U		16	J	P

PROJ_NO: 00041	NSAMPLE	13SB1560002-RE			13SB1560204			13SB1560406			13SB1570204		
SDG: 1005085	LAB_ID	1005085-11RE1			1005085-12			1005085-13			1005085-14		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			84.0			87.0			88.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					89	U		86	U		85	U	
AROCLOR-1221					71	U		69	U		68	U	
AROCLOR-1232					30	U		29	U		28	U	
AROCLOR-1242					42	U		40	U		40	U	
AROCLOR-1248		610			30	U		29	U		28	U	
AROCLOR-1254					24	U		23	U		23	U	
AROCLOR-1260					36	U		34	U		34	U	

PROJ_NO: 00041	NSAMPLE	13SB1570405			13SB1580204			13SB1640204			13SB1640406		
SDG: 1005085	LAB_ID	1005085-15			1005085-16			1005085-17			1005085-18		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			87.0			87.0			87.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		87	U		86	U		86	U		120		
AROCLOR-1221		70	U		69	U		69	U		69	U	
AROCLOR-1232		29	U		29	U		29	U		29	U	
AROCLOR-1242		41	U		40	U		40	U		40	U	
AROCLOR-1248		29	U		29	U		29	U		34		
AROCLOR-1254		23	U		23	U		23	U		23	U	
AROCLOR-1260		35	U		34	U		34	U		34	U	

PROJ_NO: 00041	NSAMPLE	13SB1650204			13SB1650405		
SDG: 1005085	LAB_ID	1005085-19			1005085-20		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	88.0			90.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		85	U		83	U	
AROCLOR-1221		68	U		67	U	
AROCLOR-1232		28	U		28	U	
AROCLOR-1242		40	U		39	U	
AROCLOR-1248		14	J	P	70		
AROCLOR-1254		23	U		22	U	
AROCLOR-1260		34	U		33	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1460204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	27	J
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1520405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	91	U
11104-28-2------	Aroclor-1221	73	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	43	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1530002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1530204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1530406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	15	J
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1540002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/16/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	2200	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	46	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1540002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-06RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1800	U
11104-28-2	Aroclor-1221	1400	U
11141-16-5	Aroclor-1232	590	U
53469-21-9	Aroclor-1242	820	U
12672-29-6	Aroclor-1248	3000	D
11097-69-1	Aroclor-1254	470	U
11096-82-5	Aroclor-1260	710	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1540204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	97	U
11104-28-2------	Aroclor-1221	78	U
11141-16-5------	Aroclor-1232	32	U
53469-21-9------	Aroclor-1242	45	U
12672-29-6------	Aroclor-1248	87	
11097-69-1------	Aroclor-1254	26	U
11096-82-5------	Aroclor-1260	39	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1540405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1550002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	110	
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1550204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	14	J
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1560002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	550	E
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	16	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1560002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-11RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	430	U
11104-28-2------	Aroclor-1221	340	U
11141-16-5------	Aroclor-1232	140	U
53469-21-9------	Aroclor-1242	200	U
12672-29-6------	Aroclor-1248	610	D
11097-69-1------	Aroclor-1254	110	U
11096-82-5------	Aroclor-1260	170	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1560204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1560406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1570204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1570405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1580204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	86	U
11104-28-2------	Aroclor-1221	69	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1640204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1640406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	120	
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	34	
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1650204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	14	J
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1650405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005085

Matrix: (soil/water) SOIL Lab Sample ID: 1005085-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 10 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	83	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	70	
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	33	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 6 — 20992 — 138

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen Dr
City / State / Zip: Pittsburgh, PA 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins G. TenEyck

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Analysis Requested (include method and bottle type): PCB SW 846 8082 (1-4oz.)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4°C	PCB SW 846 8082 (1-4oz.)																	
1005084-02	13SB143 0002	5/7/10	8:57	SO	1						X	X																	
-03	13 SB 143 0203		8:57		1							X																	
-04	13 SB 144 0002		9:00		1							X																	
-05	13 SB 144 0203		0900		1							X																	
-06	13 SB 145 0002		0905		1							X																	
-07	13 SB 145 0204		0905		1							X																	
1005084-01	13 SB 145 0405		0905		2							X						MS/MSD											
-08	13 SB 146 0002		0912		1							X																	
1005085-01	13 SB 146 0204		0912		2							X						MS/MSD											
1005086-01	13 SB 147 0002		0918		2							X							MS/MSD										

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: G. TenEyck	Date/Time: 5/8/10 1500
Relinquished by: G. TenEyck	Date/Time: 5/11/10 0910	Received by: K. Manning	Date/Time: 5/11/10 0910
Subcontact? Y or N If yes, where?		Custody Seal(s) intact? Y or N / On Ice? Y or N	Cooler Temp: ~~0.8~~, 0.2, 1.4, 2.6 °C (KM 5/11/10)

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

24752

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CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B 171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? (Y) or N? If yes, which ID(s)? NA

Requested Analysis (include method and bottle type): SW 846 Meth 8082 (PB) (T-402)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4oC	SW 846 Meth 8082 (PB) (T-402)
1005084-19	13 SB 152 0002	5/7/10	1200	SO	1							X
-20	13 SB 152 0204		1200									X
1005085-02	13 SB 152 0405		1200									X
-03	13 SB 153 0002		1135									X
-04	13 SB 153 0204		1135									X
-05	13 SB 153 0406		1135									X
-06	13 SB 154 0002		1105									X
-07	13 SB 154 0204		1105									X
-08	13 SB 154 0405		1105									X
-09	13 SB 155 0002		1040									X

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

Sample Custody

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: [illegible]	Date/Time: 5/8/10 1500
Relinquished by: [illegible]	Date/Time: 5/10/10 0900	Received by: K. Manning	Date/Time: 5/11/10 0910

Subcontact? Y or (N) If yes, where? Custody Seal(s) intact? (Y) or N On Ice? (Y) or N Cooler Temp: 0.2; 1.4; 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0010

24755

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CompuChem
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CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Anderson Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: B. Collins, G. Van Egck

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B 171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Requested Analysis (include method and bottle type): SW 8260 (1-40z) 8082 (RB)

Matrices: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 42	SW 8260 (1-40z) 8082 (RB)
1005085-10	13 SB 155 0204	5/7/10	1040	SO	1							Y
-11	13 SB 156 0002		1000									Y
-12	13 SB 156 0204		1000									Y
-13	13 SB 156 0406		1000									Y
-14	13 SB 157 0204		0937									Y
-15	13 SB 157 0405		0937									Y
-16	13 SB 158 0204		1240									Y
-17	13 SB 164 0204		1220									Y
-18	13 SB 164 0406		1220									Y
-19	13 SB 165 0204		0925									Y

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or NA
625 & Phenol samples checked for chlorine? Y or NA
608 samples checked for pH between 5.0-9.0? Y or NA

Comments

Sample Custody

Relinquished by:	Date/Time: 5/8/10 1500	Received by:	Date/Time: 5/8/10 1500
Relinquished by:	Date/Time: 5/10/10 0500	Received by: K. Manning	Date/Time: 5/11/10 0910
Subcontact? Y or N If yes, where?	Custody Seal(s) intact? Y or N	On Ice? Y or N	Cooler Temp: 0.2; 1.4; 2.6°C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer SN0010

Residual Chlorine Present?

Yes _____ No ✓

24754

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CHAIN OF CUSTODY

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier

Airbill No.

Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS

Address: 661 Andersen Dr

City: Pittsburgh State: PA Zip: 15220

Project Contact: Tony Klimek

Phone #: 513-557-5057

Sampler's Name: B. Collins - B. Ten Eyck

Project Information

Project Name: NSA CRANE

Sampling Location: SWMU 13 B 171

Turnaround time: 7 Day

Batch QC or Project Specific? If Specific, which Sample ID?

Are aqueous samples field filtered for metals? Y or (N)

Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Requested Analysis (include method and bottle type)

Matrices

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4oz	8260 (1-402) MEXL 8260B (AB)															
1005085-20	13 SB 165 0405	5/7/10	0525	SO	1						X	X															
1005086-02	FD 050710-01	5/7/10	0000	SO	1						X	X															
-03	FD 050710-02	5/7/10	0000	SO	1						X	X															
-04	FD 050710-03	5/7/10	0000	SO	1						X	X															
GET	~~FD 050710-04~~	~~5/7/10~~	~~0000~~	~~SO~~	~~1~~						~~X~~	~~X~~	GET														
1005087-01	13 RB 050710-01	5/7/10	1220	RI	1						X	X															
1005086-05	13SB1590406	5/8/10	1100	SO	1						X	X															
-06	13SB1600406	5/8/10	1120	SO	1						X	X															
-07	13SB1610406	5/8/10	1135	SO	1						X	X															
-08	13SB1620406	5/8/10	1145	SO	1						X	X															

Lab Use Only

Sample Unpacked By: K. Manning

Sample Order Entry By: [illegible]

Samples Received in Good Condition? (Y) or N

If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)

625 & Phenol samples checked for chlorine? Y or (NA)

608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments

① 4oz. for 13SB1590406 5/8/10 @ 1100 has 1115 as sample time on its label. ② 4oz. for 13SB1600406 5/8/10 @ 1120 has sample time as 1100 on its label. ③ 4oz. for 13SB1610406 5/8/10 @ 1135 has sample time as 1125 on its label. ④ 4oz. for 13SB1620406 5/8/10 @ 1145 has sample time as 1140.

Sample Custody

Relinquished by: [signature]	Date/Time: 5/8/10 1500	Received by: [signature]	Date/Time: 5/8/10 1500
Relinquished by: [signature]	Date/Time: 5/10/10 0900	Received by: K. Manning	Date/Time: 5/11/10 0910

Subcontact? Y or (N) If yes, where?

Custody Seal(s) intact? (Y) or N

On Ice? (Y) or N

Cooler Temp: 0.2, 1.4, 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**R. BASINSKI**	**DATE:**	**JULY 22, 2010**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO 377, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 1005086

SAMPLES: 9/Solid/PCB

13SB1470002	13SB1590406	13SB1600406	13SB1610406
13SB1620406	13SB1630406	FD050710-01	FD050710-02
FD050710-03			

OVERVIEW

The sample set for NSWC CRANE, CTO 377, SDG 1005086 consists of nine (9) solid environmental samples. All samples were analyzed for polychlorinated biphenyls (PCBs). There were three (3) field duplicate pairs included within this SDG: 13SB1510002 /FD050710-01, 13SB1510204 /FD050710-02 and 13SB1640204 /FD050710-03. Samples 13SB151002 and 13SB1510204 are included in SDG 1005084. Sample 13SB1640204 is included in SDG 1005085.

The samples were collected on May 7 and 8, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8082 analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times and Preservation
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Laboratory Control Sample Recoveries
• Matrix Spike / Matrix Spike Duplicate Recoveries
* • Detection Limits
• Field Duplicate Precision
* • Compound Quantitation
* • Compound Identification

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCBs

Field duplicate imprecision was noted in the field duplicate pair 13SB1510002 and FD050710-01 for Aroclor 1260. The Relative Percent Difference (RPD) was greater than the 50% quality control limit. The positive Aroclor 1260 results were qualified as estimated (J) due to this noncompliance.

Notes

The matrix spike/ matrix spike duplicate (MS/MSD) percent recovery (%R) and relative percent difference (RPD) were greater than the upper quality control limit for Aroclor 1016 in sample 13SB1470002. No action was taken on the nondetected Aroclor 1016 result in sample 13SB1470002.

Several samples had target analytes with concentrations exceeding the instrument calibration range. Samples with target analytes exceeding the original sample concentration were diluted and reanalyzed. The diluted concentration of the target analyte that was within calibration range was used for validation purposes. Some samples were diluted in the original analysis and have elevated nondetected levels. The following outlines the original sample dilution and target analyte exceeding concentration limit dilution:

Sample	Original Sample Dilution	Subsequent Target Analyte Dilution
13SB1470002	1X	20X (Aroclor 1248)
13SB1590406	1000X	5000X (Aroclor 1248)
13SB1620406	500X	5000X (Aroclor 1016)
13SB1630406	1X	20X (Aroclor 1016 and Aroclor 1248)
FD05710-01	1X	100 (Aroclor 1248)

Positive results less than the reporting limit (RL) were qualified as estimated, (J), due to uncertainty near the detection limit.

Field duplicate imprecision was noted in the field duplicate pair 13SB1640204 and FD050710-03 for Aroclor 1248. The RPD was greater than the 50% quality control limit. No action was taken on the Aroclor 1248 results because the difference was less than 2X the reporting limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: Field duplicate imprecision was noted for Aroclor 1260 in the field duplicate pair 13SB1510002 and FD050710-01.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti

Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

Edward Sedlyn for

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1470002			13SB1470002RE			13SB1590406			13SB1590406RE		
SDG: 1005086	LAB_ID	1005086-01			1005086-01RE1			1005086-05			1005086-05RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010			5/8/2010			5/8/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.0			87.0			80.0			80.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		86	U					94000	U				
AROCLOR-1221		69	U					75000	U				
AROCLOR-1232		29	U					31000	U				
AROCLOR-1242		40	U					44000	U				
AROCLOR-1248					3300						820000		
AROCLOR-1254		23	U					25000	U				
AROCLOR-1260		66						38000	U				

PROJ_NO: 00041	NSAMPLE	13SB1600406			13SB1610406			13SB1620406			13SB1620406RE		
SDG: 1005086	LAB_ID	1005086-06			1005086-07			1005086-08			1005086-08RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/8/2010			5/8/2010			5/8/2010			5/8/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	80.0			80.0			86.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		94	U		94	U					730000		
AROCLOR-1221		75	U		75	U		35000	U				
AROCLOR-1232		31	U		31	U		15000	U				
AROCLOR-1242		44	U		44	U		20000	U				
AROCLOR-1248		32			31	U		150000					
AROCLOR-1254		25	U		25	U		12000	U				
AROCLOR-1260		38	U		38	U		17000	U				

PROJ_NO: 00041	NSAMPLE	13SB1630406			13SB1630406RE			FD050710-01			FD050710-01RE		
SDG: 1005086	LAB_ID	1005086-09			1005086-09RE1			1005086-02			1005086-02RE1		
FRACTION: PEST/PCB	SAMP_DATE	5/8/2010			5/8/2010			5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	77.0			77.0			82.0			82.0		
	DUP_OF							13SB1510002			13SB1510002		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					6200			91	U				
AROCLOR-1221		78	U					73	U				
AROCLOR-1232		32	U					30	U				
AROCLOR-1242		45	U					43	U				
AROCLOR-1248					2600						22000		
AROCLOR-1254		26	U					24	U				
AROCLOR-1260		30	J	P				270	J	G			

PROJ_NO: 00041	NSAMPLE	FD050710-02			FD050710-03		
SDG: 1005086	LAB_ID	1005086-03			1005086-04		
FRACTION: PEST/PCB	SAMP_DATE	5/7/2010			5/7/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	83.0			85.0		
	DUP_OF	13SB1510204			13SB1640204		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U		88	U	
AROCLOR-1221		72	U		71	U	
AROCLOR-1232		30	U		29	U	
AROCLOR-1242		42	U		41	U	
AROCLOR-1248		27	J	P	9.6	J	P
AROCLOR-1254		24	U		24	U	
AROCLOR-1260		36	U		35	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1470002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	2700	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	66	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1470002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1700	U
11104-28-2	Aroclor-1221	1400	U
11141-16-5	Aroclor-1232	570	U
53469-21-9	Aroclor-1242	800	U
12672-29-6	Aroclor-1248	3300	D
11097-69-1	Aroclor-1254	460	U
11096-82-5	Aroclor-1260	690	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1590406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 1000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94000	U
11104-28-2	Aroclor-1221	75000	U
11141-16-5	Aroclor-1232	31000	U
53469-21-9	Aroclor-1242	44000	U
12672-29-6	Aroclor-1248	600000	E
11097-69-1	Aroclor-1254	25000	U
11096-82-5	Aroclor-1260	38000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1590406DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-05RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	470000	U
11104-28-2	Aroclor-1221	380000	U
11141-16-5	Aroclor-1232	160000	U
53469-21-9	Aroclor-1242	220000	U
12672-29-6	Aroclor-1248	820000	D
11097-69-1	Aroclor-1254	130000	U
11096-82-5	Aroclor-1260	190000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1600406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	32	
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1610406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1620406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	380000	E
11104-28-2------	Aroclor-1221	35000	U
11141-16-5------	Aroclor-1232	15000	U
53469-21-9------	Aroclor-1242	20000	U
12672-29-6------	Aroclor-1248	150000	
11097-69-1------	Aroclor-1254	12000	U
11096-82-5------	Aroclor-1260	17000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1620406DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-08RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 5000.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	730000	D
11104-28-2	Aroclor-1221	350000	U
11141-16-5	Aroclor-1232	150000	U
53469-21-9	Aroclor-1242	200000	U
12672-29-6	Aroclor-1248	300000	D
11097-69-1	Aroclor-1254	120000	U
11096-82-5	Aroclor-1260	170000	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1630406

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4100	E
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	2000	E
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	30	JP

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1630406DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-09RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	6200	D
11104-28-2	Aroclor-1221	1600	U
11141-16-5	Aroclor-1232	650	U
53469-21-9	Aroclor-1242	910	U
12672-29-6	Aroclor-1248	2600	D
11097-69-1	Aroclor-1254	520	U
11096-82-5	Aroclor-1260	780	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD050710-01

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	12000	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	270	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD050710-01DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-02RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/19/10

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	9100	U
11104-28-2	Aroclor-1221	7300	U
11141-16-5	Aroclor-1232	3000	U
53469-21-9	Aroclor-1242	4300	U
12672-29-6	Aroclor-1248	22000	D
11097-69-1	Aroclor-1254	2400	U
11096-82-5	Aroclor-1260	3700	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD050710-02

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	27	J
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD050710-03

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1005086

Matrix: (soil/water) SOIL Lab Sample ID: 1005086-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 05/11/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 05/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 05/18/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	9.6	J
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

CompuChem
a division of Liberty Analytical Corp.

CHAIN OF CUSTODY

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Page 1 of 6 — 20992

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Anderson Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins G. TenEyck

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or N
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Requested Analysis (including Preservatives)

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem No. (Lab Use)	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4°C	PCB SW 846 (1-4oz.) 8082																
1005084-02	13SB143 0002	5/7/10	8:57	SO	1						X	X																
-03	13 SB 143 0203		8:57		1							X																
-04	13 SB 144 0002		9:00		1							X																
-05	13 SB 144 0203		0900		1							X																
-06	13 SB 145 0002		0905		1							X																
-07	13 SB 145 0204		0905		1							X																
1005084-01	13 SB 145 0405		0905		2							X							MS/MSD									
-08	13 SB 146 0002		0912		1							X																
1005085-01	13 SB 146 0204		0912		2							X							MS/MSD									
1005086-01	13 SB 147 0002		0918		2							X								MS/MSD								

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? Y or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or N/A
625 & Phenol samples checked for chlorine? Y or N/A
608 samples checked for pH between 5.0-9.0? Y or N/A

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: [illegible]	Date/Time: 5/8/10 1500
Relinquished by: [illegible]	Date/Time: 5/11/10 0910	Received by: K. Manning	Date/Time: 5/11/10 0910

Subcontact? Y or N If yes, where?
Custody Seal(s) intact? Y or N
On Ice? Y or N
Cooler Temp: 0.8, 0.2, 1.4, 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

Residual Chlorine Present?
Yes ____ No ✓

24754

CHAIN OF CUSTODY

Page 5 of 6

CompuChem
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501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: TETRA TECH NUS
Address: 661 Andersen Dr
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: B. Collins - C. Ten Eyck

Project Information

Project Name: NSA CRANE
Sampling Location: SWMU 13 B 171
Turnaround time: 7 DAY
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? Y or N? If yes, which ID(s)? NA

Matrix: GW - Ground water; WW - Waste water; SW - Surface water; SO - Soil/Sediment; TB - Trip Blank; RI - Rinsate; WP - Wipe; O - Other

CompuChem Sample ID	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other VOC	PCB (1-4oz) MS/MSD 8082	Other
1005085-20	13 SB 165 0405	5/7/10	0925	SO	1						X	X	
1005086-02	FD 050710-01	5/7/10	0000	SO	1						X	X	
-03	FD 050710-02	5/7/10	0000	SO	1						X	X	
-04	FD 050710-03	5/7/10	0000	SO	1						X	X	
GT	~~FD 050710-04~~	~~5/7/10~~	~~0000~~	~~SO~~	~~1~~						~~X~~	~~X~~	GT
1005087-01	13 RB 050710-01	5/7/10	1220	RI	1						X	X	
1005088-05	13SB1590406	5/8/10	1100	SO	1						X	X	
-06	13SB1600406	5/8/10	1120	SO	1						X	X	
-07	13SB1610406	5/8/10	1135	SO	1						X	X	
-08	13SB1620406	5/8/10	1145	SO	1						X	X	

Lab Use Only

Sample Unpacked By: L. Manning
Sample Order Entry By: [illegible]
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (NA)
625 & Phenol samples checked for chlorine? Y or (NA)
608 samples checked for pH between 5.0-9.0? Y or (NA)

Comments: ① 4oz. for 13SB1590406 5/8/10 @ 1100 has 1115 as sample time on its label. ② 4oz. for 13SB1600406 5/8/10 @ 1120 has sample time as 1100 on its label. ③ 4oz. for 13SB1610406 5/8/10 @ 1135 has sample time as 1125 on its label. ④ 4oz

Sample Custody

Relinquished by: [signature]	Date/Time: 5/8/10 1500	Received by: [signature]	Date/Time: 5/8/10 1500
Relinquished by: [signature]	Date/Time: 5/10/10 0900	Received by: L. Manning	Date/Time: 5/11/10 0910

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 0.2, 1.4, 2.6 °C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

24755

CHAIN OF CUSTODY

CompuChem
a division of Liberty Analytical Corp.

501 Madison Ave.
Cary, NC 27513
Phone: 919-379-4100 Fax 919-379-4040

Courier
Airbill No.
Sampling Complete? Y or N

Client/Reporting Information

Company Name: Tetra Tech NUS
Address: 661 Andersen Drive
City: Pittsburgh State: PA Zip: 15220
Project Contact: Tony Klimek
Phone #: 513-557-5057
Sampler's Name: Betsy Collins, G. TenEyck

Project Information

Project Name: NSA Crane
Sampling Location: SWMU 13 B171
Turnaround time: 7 day
Batch QC or Project Specific? If Specific, which Sample ID?
Are aqueous samples field filtered for metals? Y or (N)
Are high concentrations expected? (Y) or N? If yes, which ID(s)?

Requested Analysis (including Method and Analytes)

SW 846 Method 8082 (PCB)

GW - Ground water
WW - Waste water
SW - Surface water
SO - Soil/Sediment
TB - Trip Blank
RI - Rinsate
WP - Wipe
O - Other

CompuChem Lab Use Only	Field ID	Collection Date	Collection Time	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	MEOH	Other 4°C	SW 846 Method 8082 (PCB)
1005086-09	13SB163040b	5/8/10	1200	SO	1						X	X

Lab Use Only

Sample Unpacked By: K. Manning
Sample Order Entry By:
Samples Received in Good Condition? (Y) or N
If no, explain:

Cyanide samples checked for sulfide & chlorine? Y or (N/A)
625 & Phenol samples checked for chlorine? Y or (N/A)
608 samples checked for pH between 5.0-9.0? Y or (N/A)

① 4oz. for 13SB163040b 5/8/10 @ 1200 has sample time as 1155 on its label.

Sample Custody

Relinquished by: Betsy Collins	Date/Time: 5/8/10 1500	Received by: [illegible]	Date/Time: 5/8/10 1500
Relinquished by: [illegible]	Date/Time: 5/10/10 0900	Received by: K. Manning	Date/Time: 5/11/10 0910

Subcontact? Y or (N) If yes, where?
Custody Seal(s) intact? (Y) or N
On Ice? (Y) or N
Cooler Temp: 0.2, 1.4, 2.6°C

Samples stored 60 days after date report mailed at no extra charge.

White & Yellow copy to lab • Pink copy for customer

SN0010

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 23, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB NSWC CRANE, CTO 377 SDG 1006039**		
SAMPLES:	20 / Soil / PCB (Aroclors)		

13SB1660002	13SB1660407	13SB1670002
13SB1670304	13SB1680002	13SB1680304
13SB1690002	13SB1700002	13SB1700203
13SB1710002	13SB1710304	13SB1720002
13SB1720507	13SB1730002	13SB1740002
13SB1740304	13SB1750002	13SB1750304
13SB1760203	13SB1830206	

OVERVIEW

The sample set for NSWC CRANE, CTO 377 SDG 1006039 consisted of twenty (20) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on June 3, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Hold times
- * Initial and continuing calibration
- * Blank results
- * Surrogate spike recoveries
- * Matrix Spike/Matrix Spike Duplicate Results
- * Blank Spike/Blank Spike Duplicate Results
- * Detection Limits
- Compound Quantitation
- * Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The relative percent difference (RPD) between columns was greater than the 25% quality control limit for a number of samples as listed below. The sample analytes with RPDs greater than 25% between columns were qualified estimated, (J). Sample 13SB1690002 had an undiluted analysis for Aroclor-1248 with a RPD greater than 25%. The result was not qualified as the sample Aroclor-1248 result was greater

than the highest calibration standard and a dilution sample re-analysis was performed. The diluted re-analysis Aroclor-1248 for the sample had a RPD within the quality control limits.

Sample	Analytes	RPD	Qualifier
13SB1670002	Aroclor-1260	58.3	J
13SB1700002	Aroclor-1260	26.7	J
13SB1710002	Aroclor-1260	59.4	J

NOTES

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The laboratory performed a 50X dilution for Aroclor-1248 on samples 13SB1700002 and 13SB1690002 due to the Aroclor-1248 levels above the linear calibration range for the undiluted sample analyses. Aroclor-1248 results were reported from the 50X dilution analyses and the remainder of the Aroclor results were reported from the undiluted sample analyses in the aforementioned samples.

The lower result of the two column analyses was reported by the laboratory for all positive analytes.

Non-detected results were reported to the practical quantitation limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Results were qualified due to column RPD quality control limit exceedances.

Other Factors Affecting Data Quality: Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J). Samples were re-analyzed at various dilutions due to levels of Aroclor-1248 which exceeded the highest calibration level for undiluted analyses.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1660002			13SB1660407			13SB1670002			13SB1670304		
SDG: 1006039	LAB_ID	1006039-02			1006039-03			1006039-04			1006039-05		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			74.0			87.0			80.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		100	U		86	U		94	U	
AROCLOR-1221		71	U		81	U		69	U		75	U	
AROCLOR-1232		30	U		34	U		29	U		31	U	
AROCLOR-1242		42	U		47	U		40	U		44	U	
AROCLOR-1248		270			34	U		220			31	U	
AROCLOR-1254		51			27	U		58			25	U	
AROCLOR-1260		36	U		41	U		17	J	PU	38	U	

PROJ_NO: 00041	NSAMPLE	13SB1680002			13SB1680304			13SB1690002			13SB1690002RE		
SDG: 1006039	LAB_ID	1006039-06			1006039-07			1006039-08			1006039-08RE1		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.0			87.0			83.0			83.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		86	U		86	U		90	U				
AROCLOR-1221		69	U		69	U		72	U				
AROCLOR-1232		29	U		29	U		30	U				
AROCLOR-1242		40	U		40	U		42	U				
AROCLOR-1248		47			29	U					5300		
AROCLOR-1254		23	U		23	U		24	U				
AROCLOR-1260		34	U		34	U		62					

PROJ_NO: 00041	NSAMPLE	13SB1700002			13SB1700002RE			13SB1700203			13SB1710002		
SDG: 1006039	LAB_ID	1006039-09			1006039-09RE1			1006039-10			1006039-11		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	81.0			81.0			74.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		93	U					100	U		88	U	
AROCLOR-1221		74	U					81	U		71	U	
AROCLOR-1232		31	U					34	U		29	U	
AROCLOR-1242		43	U					47	U		41	U	
AROCLOR-1248					6300			34	U		260		
AROCLOR-1254		25	U					27	U		24	U	
AROCLOR-1260		65	J	U				41	U		13	J	PU

PROJ_NO: 00041	NSAMPLE	13SB1710304			13SB1720002			13SB1720507			13SB1730002		
SDG: 1006039	LAB_ID	1006039-12			1006039-13			1006039-14			1006039-15		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	78.0			86.0			81.0			79.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		96	U		87	U		93	U		95	U	
AROCLOR-1221		77	U		70	U		74	U		76	U	
AROCLOR-1232		32	U		29	U		31	U		32	U	
AROCLOR-1242		45	U		41	U		43	U		44	U	
AROCLOR-1248		72			29	U		31	U		32	U	
AROCLOR-1254		26	U		23	U		25	U		25	U	
AROCLOR-1260		38	U		35	U		37	U		38	U	

PROJ_NO: 00041	NSAMPLE	13SB1740002			13SB1740304			13SB1750002			13SB1750304		
SDG: 1006039	LAB_ID	1006039-16			1006039-17			1006039-18			1006039-19		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.0			87.0			80.0			89.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		87	U		86	U		94	U		84	U	
AROCLOR-1221		70	U		69	U		75	U		67	U	
AROCLOR-1232		29	U		29	U		31	U		28	U	
AROCLOR-1242		41	U		40	U		44	U		39	U	
AROCLOR-1248		29	U		29	U		74			28	U	
AROCLOR-1254		23	U		23	U		25	U		22	U	
AROCLOR-1260		35	U		34	U		38	U		34	U	

PROJ_NO: 00041	NSAMPLE	13SB176203			13SB1830206		
SDG: 1006039	LAB_ID	1006039-20			1006039-01		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	78.0			86.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		96	U		87	U	
AROCLOR-1221		77	U		70	U	
AROCLOR-1232		32	U		29	U	
AROCLOR-1242		45	U		41	U	
AROCLOR-1248		32	U		29	U	
AROCLOR-1254		26	U		23	U	
AROCLOR-1260		38	U		35	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1660002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	270	
11097-69-1------	Aroclor-1254	51	
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1660407

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	27	U
11096-82-5	Aroclor-1260	41	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1670002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	220	
11097-69-1	Aroclor-1254	58	
11096-82-5	Aroclor-1260	17	JP

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1670304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1680002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	47	
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1680304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1690002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	4100	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	62	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1690002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-08RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4500	U
11104-28-2	Aroclor-1221	3600	U
11141-16-5	Aroclor-1232	1500	U
53469-21-9	Aroclor-1242	2100	U
12672-29-6	Aroclor-1248	5300	D
11097-69-1	Aroclor-1254	1200	U
11096-82-5	Aroclor-1260	1800	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1700002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	4300	E
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	65	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1700002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-09RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	4600	U
11104-28-2	Aroclor-1221	3700	U
11141-16-5	Aroclor-1232	1500	U
53469-21-9	Aroclor-1242	2200	U
12672-29-6	Aroclor-1248	6300	D
11097-69-1	Aroclor-1254	1200	U
11096-82-5	Aroclor-1260	1900	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1700203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	27	U
11096-82-5	Aroclor-1260	41	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1710002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	260	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	13	JP

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1710304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	96	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	72	
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1720002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1720507

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1730002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	95	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1740002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1740304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1750002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	74	
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1750304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	84	U
11104-28-2------	Aroclor-1221	67	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	39	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB176203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	96	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1830206

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006039

Matrix: (soil/water) SOIL Lab Sample ID: 1006039-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/08/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

Rec'd @ 0.4°, 0.7°C 0.1°C SND015

TETRA TECH NUS, INC.

CHAIN OF CUSTODY 13-011 NUMBER

125

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): Betsy Collins, Diane Byrd		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: Fed Ex	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 6/03 ~~6/4~~ 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz	COMMENTS
6/03	0948	13SB1660002	SO	G	1	X	1006039-02
6/03	0948	13SB1660407	SO				-03
	1008	13SB1670002					-04
	1008	13SB1670304					-05
	1012	13SB1680002					-06
	1012	13SB1680304					-07
	1415	13SB1690002					-08
	1400	13SB1700002					-09
	1400	13SB1700203					-10
	1441	13SB1710002					-11
	1441	13SB1710304					-12
	1455	13SB1720002					-13
	1455	13SB1720507					-14

1. RELINQUISHED BY: Betsy Collins	DATE: 6/04/10	TIME: 1230	1. RECEIVED BY: Diane Byrd	DATE: 6/5/10	TIME: 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TINUS-001

Rec'd @ 0.4°, 0.7, 0.1°C 3N0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-02 | PAGE 2 OF 5

126

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Rutting 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4.02

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4.02	COMMENTS
6/03	1436	13SB1730002	SO	G	1	X	10006039-15
	1427	13SB1740002					-16
	1427	13SB1740304					-17
	1422	13SB1750002					-18
	1422	13SB1750304					-19
	1126	13SB1760203					-20
	1118	13SB1770203					10006040-02
	1110	13SB1780102					-03
	1104	13SB1790203					-04
	1057	13SB1800204					-05
	1052	13SB1810203					-06
	1047	13SB1820203					-07
	1038	13SB1830206			2		MS/MSD 10006039-9

1. RELINQUISHED BY	DATE 6/4/10	TIME 1230	1. RECEIVED BY	DATE 6/5/10	TIME 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-03 | PAGE 3 OF 5

127

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): [signature]		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz								COMMENTS
6/03	1026	13SB1840206	SO	G	2	X						1006040-01		MS/MSD
	1021	13SB1850002			1									1006040-08
	1021	13SB1850507			1									-09
	1345	13SB1860002			1									-10
	1327	13SB1870002			2							1006041-01		MS/MSD
	1327	13SB1870405			1									1006041-02
	1320	13SB1880002			1									1006040-11
	1320	13SB1880607												-12
	1308	13SB1890001												-13
	1259	13SB1900102												-14
	1259	13SB1900506												-15
	1215	13SB1910102												-16
	1215	13SB1910304												-17

1. RELINQUISHED BY: [signature]	DATE: 6/04/10	TIME: 1230	1. RECEIVED BY: [signature]	DATE: 6/5/10	TIME: 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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Rec'd @ 0.4°, 0.7°, 0.1°C

TETRA TECH NUS, INC. CHAIN OF CUSTODY NUMBER SN0015 13-04 PAGE 4 OF 5

128

PROJECT NO: 112G00041	SITE NAME: SWMU 13
PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): [signature]	FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250
ADDRESS: 501 Madison Avenue	CARRIER/WAYBILL NUMBER: Fed Ex
CITY, STATE: Cary, NC	

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz	COMMENTS
6/03	1205	13SB192 0002	SO	G	1	X	1006040-18
	1205	13SB192 0405					-19
	1156	13SB193 0102					-20
	1149	13SB194 0002					1006041-03
	1149	13SB194 0405					-04
	1140	13SB195 0102					-05
	1140	13SB195 0405					-06
	1130	13SB196 0102					-07
	1130	13SB196 0304					-08
	1345	13SB186 0405					-09
	1156	13SB193 0304					-10
	0000	FD060310-01			1		-11
	0000	FD060310-02			1		-12

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY Diane Dyal	DATE 6/5/10	TIME 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TtNUS-001

TETRA TECH NUS, INC. Rec'd @ 0.7°C SN0015

CHAIN OF CUSTODY | NUMBER 13-05 | PAGE 5 OF 5

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PROJECT NO:	SITE NAME:	PROJECT MANAGER AND PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00041	SWMU 13	Steve Rutting 412-921-8989	Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐ RUSH TAT ☑ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4.07							COMMENTS
6/03	0000	FD060310-03	SO	G	1	X							10060041-13

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
[signature]	6/04/10	1230	[signature]	6/5/10	1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99

FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 22, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB NSWC CRANE, CTO 377 SDG 1006040**		
SAMPLES:	20 / Soil / PCB (Aroclors)		

13SB1770203	13SB1780102	13SB1790203
13SB1800204	13SB1810203	13SB1820203
13SB1840206	13SB1850002	13SB1850507
13SB1860002	13SB1880002	13SB1880607
13SB1890001	13SB1900102	13SB1900506
13SB1910102	13SB1910304	13SB1920002
13SB1920405	13SB1930102	

OVERVIEW

The sample set for NSWC CRANE, CTO 377 SDG 1006040 consisted of twenty (20) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on June 3, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Hold times
- * Initial and continuing calibration
- * Blank results
- Surrogate spike recoveries
- Matrix Spike/Matrix Spike Duplicate Results
- * Blank Spike/Blank Spike Duplicate Results
- * Detection Limits
- * Compound Quantitation
- * Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

No major or minor issues were identified.

NOTES

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The lower result of the two column analyses was reported by the laboratory for all positive analytes.

The percent recovery (%R) was less than the quality control limit for the surrogate decachlorobiphenyl on the PEST2 column for the matrix spike duplicate (MSD) of spiked sample 13SB1840206. No action was taken for this surrogate recovery issue as the sample matrix spike (MS) surrogate %R was within the quality control limit and the sample itself had within the quality control limit surrogate recoveries.

The relative percent differences (RPD) for the matrix spike (MS)/MSD Aroclor-1016 and Aroclor-1260 results were greater than the quality control limits. No action was taken as both the MS and MSD %Rs for Aroclor-1016 and Aroclor-1260 were within the quality control limits.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None

Other Factors Affecting Data Quality: Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

Edward Sudlow for
TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - Includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1770203			13SB1780102			13SB1790203			13SB1800204		
SDG: 1006040	LAB_ID	1006040-02			1006040-03			1006040-04			1006040-05		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.0			73.0			85.0			74.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		86	U		100	U		88	U		100	U	
AROCLOR-1221		69	U		82	U		71	U		81	U	
AROCLOR-1232		29	U		34	U		29	U		34	U	
AROCLOR-1242		40	U		48	U		41	U		47	U	
AROCLOR-1248		29	U		34	U		29	U		34	U	
AROCLOR-1254		23	U		27	U		24	U		27	U	
AROCLOR-1260		34	U		41	U		35	U		41	U	

PROJ_NO: 00041	NSAMPLE	13SB1810203			13SB1820203			13SB1840206			13SB1850002		
SDG: 1006040	LAB_ID	1006040-06			1006040-07			1006040-01			1006040-08		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.0			84.0			82.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		88	U		89	U		91	U		87	U	
AROCLOR-1221		71	U		71	U		73	U		70	U	
AROCLOR-1232		29	U		30	U		30	U		29	U	
AROCLOR-1242		41	U		42	U		43	U		41	U	
AROCLOR-1248		29	U		30	U		30	U		29	U	
AROCLOR-1254		24	U		24	U		24	U		23	U	
AROCLOR-1260		35	U		36	U		37	U		35	U	

PROJ_NO: 00041	NSAMPLE	13SB1850507			13SB1860002			13SB1880002			13SB1880607		
SDG: 1006040	LAB_ID	1006040-09			1006040-10			1006040-11			1006040-12		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			83.0			80.0			62.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		90	U		94	U		120	U	
AROCLOR-1221		71	U		72	U		75	U		97	U	
AROCLOR-1232		30	U		30	U		31	U		40	U	
AROCLOR-1242		42	U		42	U		44	U		56	U	
AROCLOR-1248		18	J	P	30	U		31	U		40	U	
AROCLOR-1254		24	U		24	U		25	U		32	U	
AROCLOR-1260		36	U		36	U		38	U		48	U	

PROJ_NO: 00041	NSAMPLE	13SB1890001			13SB1900102			13SB1900506			13SB1910102		
SDG: 1006040	LAB_ID	1006040-13			1006040-14			1006040-15			1006040-16		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			84.0			84.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		85	U		89	U		89	U		89	U	
AROCLOR-1221		68	U		71	U		71	U		71	U	
AROCLOR-1232		28	U		30	U		30	U		30	U	
AROCLOR-1242		40	U		42	U		42	U		42	U	
AROCLOR-1248		28	U		30	U		30	U		30	U	
AROCLOR-1254		23	U		24	U		24	U		24	U	
AROCLOR-1260		34	U		36	U		36	U		36	U	

PROJ_NO: 00041	NSAMPLE	13SB1910304			13SB1920002			13SB1920405			13SB1930102		
SDG: 1006040	LAB_ID	1006040-17			1006040-18			1006040-19			1006040-20		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			82.0			87.0			81.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U		91	U		86	U		93	U	
AROCLOR-1221		72	U		73	U		69	U		74	U	
AROCLOR-1232		30	U		30	U		29	U		31	U	
AROCLOR-1242		42	U		43	U		40	U		43	U	
AROCLOR-1248		30	U		30	U		29	U		31	U	
AROCLOR-1254		24	U		24	U		23	U		25	U	
AROCLOR-1260		36	U		37	U		34	U		37	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1770203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1780102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 27 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	27	U
11096-82-5	Aroclor-1260	41	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1790203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1800204

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	100	U
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	34	U
11097-69-1	Aroclor-1254	27	U
11096-82-5	Aroclor-1260	41	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1810203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1820203

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1840206

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1850002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1850507

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	18	J
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1860002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1880002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	94	U
11104-28-2	Aroclor-1221	75	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1880607

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 38 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	120	U
11104-28-2	Aroclor-1221	97	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	56	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	32	U
11096-82-5	Aroclor-1260	48	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1890001

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	28	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1900102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1900506

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1910102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-16

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1910304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-17

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/09/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1920002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-18

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1920405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1930102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006040

Matrix: (soil/water) SOIL Lab Sample ID: 1006040-20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/07/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

Rec'd @ 0.4°, 0.7, 0.1°C 3N0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-02 | PAGE 2 OF 5

99

PROJECT NO: 112G00041	SITE NAME: SWMU 13
PROJECT MANAGER AND PHONE NUMBER: Steve Rutting 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): [signature]	FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250
	ADDRESS: 501 Madison Avenue
CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4.02

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4.02	COMMENTS
6/03	1436	13SB1730002	SO	G	1	X	10060039-15
	1427	13SB1740002					-16
	1427	13SB1740304					-17
	1422	13SB1750002					-18
	1422	13SB1750304					-19
	1126	13SB1760203					-20
	1118	13SB1770203					10060040-02
	1110	13SB1780102					-03
	1104	13SB1790203					-04
	1057	13SB1800204					-05
	1052	13SB1810203					-06
	1047	13SB1820203					-07
	1038	13SB1830206			2		MS/MSD 10060039-9

1. RELINQUISHED BY: [signature]	DATE 6/4/10	TIME 1230	1. RECEIVED BY: [signature]	DATE 6/5/10	TIME 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

Rec'd @ 0.40, 0.7°, 0.1°C SN0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-03 | PAGE 3 OF 5

100

PROJECT NO: 112G00041	SITE NAME: SWMU 13
PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): [signature]	FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250
	ADDRESS: 501 Madison Avenue
CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz							COMMENTS
6/03	1026	13SB1840206	SO	G	2	X						1006040-01	MS/MSD
	1021	13SB1850002			1								1006040-08
	1021	13SB1850507			1								-09
	1345	13SB1860002			1								-10
	1327	13SB1870002			2							1006041-01	MS/MSD
	1327	13SB1870405			1								1006041-02
	1320	13SB1880002			1								1006040-11
	1320	13SB1880607											-12
	1308	13SB1890001											-13
	1259	13SB1900102											-14
	1259	13SB1900506											-15
	1215	13SB1910102											-16
	1215	13SB1910304											-17

1. RELINQUISHED BY: [signature]	DATE: 6/04/10	TIME: 1230	1. RECEIVED BY: [signature]	DATE: 6/5/10	TIME: 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TtNUS-001

Rec'd @ 0.4°, 0.7°, 0.1°C

TETRA TECH NUS, INC. CHAIN OF CUSTODY | SN0015 NUMBER 13-04 | PAGE 4 OF 5

101

PROJECT NO: 112G00041	SITE NAME: SWMU 13
PROJECT MANAGER AND PHONE NUMBER: Steve Rutting 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): [signature]	FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250
	ADDRESS: 501 Madison Avenue
CARRIER/WAYBILL NUMBER: Fed Ex	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4 oz	COMMENTS
6/03	1205	13SB192 0002	SO	G	1	X	1006040-18
	1205	13SB192 0405					-19
	1156	13SB193 0102					-20
	1149	13SB194 0002					1006041-03
	1149	13SB194 0405					-04
	1140	13SB195 0102					-05
	1140	13SB195 0405					-06
	1130	13SB196 0102					-07
	1130	13SB196 0304					-08
	1345	13SB186 0405					-09
	1156	13SB193 0304					-10
	0000	FD060310-01					-11
	0000	FD060310-02					-12

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY			1. RECEIVED BY: Diane Dyal	6/5/10	1025
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TINUS-001

Rec'd @ 0.4°, 0.7°C 0.1°C SND015

TETRA TECH NUS, INC.

CHAIN OF CUSTODY NUMBER 13-011

PAGE 1 OF 5

98

PROJECT NO: 112G00041	SITE NAME: SWMU 13
PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE): Betsy Collins, Diane Byrd	FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250
ADDRESS: 501 Madison Avenue	CARRIER/WAYBILL NUMBER: Fed Ex
CITY, STATE: Cary, NC	

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz	COMMENTS
6/03 2010	0948	13SB1660002	SO	G	1	X	1006039-02
6/03	0948	13SB1660407	SO				-03
	1008	13SB1670002					-04
	1008	13SB1670304					-05
	1012	13SB1680002					-06
	1012	13SB1680304					-07
	1415	13SB1690002					-08
	1400	13SB1700002					-09
	1400	13SB1700203					-10
	1441	13SB1710002					-11
	1441	13SB1710304					-12
	1455	13SB1720002					-13
	1455	13SB1720507					-14

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Betsy Collins	6/04/10	1230	1. RECEIVED BY: Diane Byrd	6/5/10	1025
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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FORM NO. TINUS-001

Rec'd @ 0.7°C SND015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-05 | PAGE 5 OF 5

102

PROJECT NO: 112G00041	SITE NAME: SWMU13	PROJECT MANAGER AND PHONE NUMBER: Steve Ruthing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: FedEx	CITY, STATE: Cary, NC

STANDARD TAT ☐ RUSH TAT ☑ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4.07							COMMENTS
6/03	0000	FD060310-03	SO	G	1	X							10060041-13

1. RELINQUISHED BY	DATE 6/04/10	TIME 1230	1. RECEIVED BY	DATE 6/5/10	TIME 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 22, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB CTO 377, NSWC CRANE SDG 1006041**		

SAMPLES: 13 / SOIL / PCB (Aroclors)

13SB1860405	13SB1870002	13SB1870405
13SB1930304	13SB1940002	13SB1940405
13SB1950102	13SB1950405	13SB1960102
13SB1960304	FD060310-01	FD060310-02
FD060310-03		

OVERVIEW

The sample set for CTO 377, NSWC CRANE, SDG 1006041 consisted of thirteen (13) soil environmental samples. There were three field duplicate pairs associated with this sample delivery group (SDG) and with SDG 1006040 and SDG 1006039; FD060310-01 / 13SB1920405 (SDG 1006040), FD060310-02 / 13SB1660407 (SDG 1006039), and FD060310-03 / 13SB1930304. All samples were analyzed for polychlorinated biphenyls/aroclors (PCB).

The samples were collected by TetraTech NUS on June 3, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
• Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
* • Detection Limits
* • Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The surrogate decachlorobiphenyl percent recoveries were less than the quality control limit for both the CLPEST and CLPEST2 columns for sample 13SB1930304. All Aroclor results for the sample were non-detected and were qualified estimated, (UJ).

EXECUTIVE SUMMARY

Laboratory Performance Issues: The non-detected Aroclor results for sample 13SB1930304 were qualified estimated, (UJ), due to low percent recoveries for the surrogate decachlorobiphenyl.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SB1860405			13SB1870002			13SB1870405			13SB1930304		
SDG: 1006041	LAB_ID	1006041-09			1006041-01			1006041-02			1006041-10		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			69.0			81.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		91	U		110	U		93	U		88	UJ	R
AROCLOR-1221		73	U		87	U		74	U		71	UJ	R
AROCLOR-1232		30	U		36	U		31	U		29	UJ	R
AROCLOR-1242		43	U		51	U		43	U		41	UJ	R
AROCLOR-1248		30	U		36	U		31	U		29	UJ	R
AROCLOR-1254		24	U		29	U		25	U		24	UJ	R
AROCLOR-1260		37	U		43	U		37	U		35	UJ	R

PROJ_NO: 00041	NSAMPLE	13SB1940002			13SB1940405			13SB1950102			13SB1950405		
SDG: 1006041	LAB_ID	1006041-03			1006041-04			1006041-05			1006041-06		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			85.0			84.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		88	U		89	U		87	U	
AROCLOR-1221		71	U		71	U		71	U		70	U	
AROCLOR-1232		30	U		29	U		30	U		29	U	
AROCLOR-1242		42	U		41	U		42	U		41	U	
AROCLOR-1248		30	U		29	U		30	U		29	U	
AROCLOR-1254		24	U		24	U		24	U		23	U	
AROCLOR-1260		36	U		35	U		36	U		35	U	

PROJ_NO: 00041	NSAMPLE	13SB1960102			13SB1960304			FD060310-01			FD060310-02		
SDG: 1006041	LAB_ID	1006041-07			1006041-08			1006041-11			1006041-12		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010			6/3/2010			6/3/2010			6/3/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			77.0			87.0			88.0		
	DUP_OF							13SB1920405			13SB1660407		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U		97	U		86	U		85	U	
AROCLOR-1221		72	U		78	U		69	U		68	U	
AROCLOR-1232		30	U		32	U		29	U		28	U	
AROCLOR-1242		42	U		45	U		40	U		40	U	
AROCLOR-1248		30	U		32	U		29	U		28	U	
AROCLOR-1254		24	U		26	U		23	U		23	U	
AROCLOR-1260		36	U		39	U		34	U		34	U	

PROJ_NO: 00041	NSAMPLE	FD060310-03		
SDG: 1006041	LAB_ID	1006041-13		
FRACTION: PEST/PCB	SAMP_DATE	6/3/2010		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	84.0		
	DUP_OF	13SB1930304		
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		89	U	
AROCLOR-1221		71	U	
AROCLOR-1232		30	U	
AROCLOR-1242		42	U	
AROCLOR-1248		30	U	
AROCLOR-1254		24	U	
AROCLOR-1260		36	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1860405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1870002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 31 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	87	U
11141-16-5	Aroclor-1232	36	U
53469-21-9	Aroclor-1242	51	U
12672-29-6	Aroclor-1248	36	U
11097-69-1	Aroclor-1254	29	U
11096-82-5	Aroclor-1260	43	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1870405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	93	U
11104-28-2------	Aroclor-1221	74	U
11141-16-5------	Aroclor-1232	31	U
53469-21-9------	Aroclor-1242	43	U
12672-29-6------	Aroclor-1248	31	U
11097-69-1------	Aroclor-1254	25	U
11096-82-5------	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1930304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1940002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/10/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1940405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1950102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1950405

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1960102

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1960304

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	97	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	39	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD060310-01

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD060310-02

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	85	U
11104-28-2------	Aroclor-1221	68	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD060310-03

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006041

Matrix: (soil/water) SOIL Lab Sample ID: 1006041-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/05/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/08/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/11/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

Rec'd @ 0.4°, 0.7°, 0.1°C SN0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 13-03 | PAGE 3 OF 5

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Rutting 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: Fed Ex	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz							COMMENTS
6/03	1026	13SB1840206	SO	G	2	X					1006040-01		MS/MSD
	1021	13SB1850002			1								1006040-08
	1021	13SB1850507			1								-09
	1345	13SB1860002			1								-10
	1327	13SB1870002			2						1006041-01		MS/MSD
	1327	13SB1870405			1								1006041-02
	1320	13SB1880002			1								1006040-11
	1320	13SB1880607											-12
	1308	13SB1890001											-13
	1259	13SB1900102											-14
	1259	13SB1900506											-15
	1215	13SB1910102											-16
	1215	13SB1910304											-17

1. RELINQUISHED BY: [signature]	DATE: 6/04/10	TIME: 1230	1. RECEIVED BY: [signature]	DATE: 6/5/10	TIME: 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

78

Rec'd @ 0.4°, 0.7°, 0.1°C

TETRA TECH NUS, INC. CHAIN OF CUSTODY | SN0015 NUMBER 13-04 | PAGE 4 OF 5

PROJECT NO:	SITE NAME:	PROJECT MANAGER AND PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00041	SWMU 13	Steve Ruffing 412-921-8989	Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: Fed Ex	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C
TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz	COMMENTS
6/03	1205	13SB192 0002	SO	G	1	X	1006040-18
	1205	13SB192 0405					-19
	1156	13SB193 0102					-20
	1149	13SB194 0002					1006041-03
	1149	13SB194 0405					-04
	1140	13SB195 0102					-05
	1140	13SB195 0405					-06
	1130	13SB196 0102					-07
	1130	13SB196 0304					-08
	1345	13SB186 0405					-09
	1156	13SB193 0304					-10
	0000	FD060310-01					-11
	0000	FD060310-02					-12

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY			1. RECEIVED BY Diane Dyd	6/5/10	1025
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

TETRA TECH NUS, INC. Rec'd @ 0.7°C SND015

CHAIN OF CUSTODY | NUMBER 13-05 | PAGE 5 OF 5

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Rutting 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: Fed Ex	CITY, STATE: Cary, NC

STANDARD TAT ☐ RUSH TAT ☑ ☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4.02							COMMENTS
6/03	0000	FD060310-03	SO	G	1	X							10060041-13

1. RELINQUISHED BY	DATE 6/04/10	TIME 1230	1. RECEIVED BY	DATE 6/5/10	TIME 1025
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99

FORM NO. TINUS-001

80

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **S. RUFFING** **DATE:** **OCTOBER 5, 2010**

FROM: **A. COGNETTI** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO 042, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 1006177

SAMPLES: 5/Solid/PCB

13SB1970002 13SB1980002 13SB1990002 13SB2000002
13SB2010002

OVERVIEW

The sample set for NSWC CRANE, CTO 042, SDG 1006177 consists of five (5) solid environmental samples analyzed for polychlorinated biphenyls (PCBs). There is no field duplicate pair included within this SDG.

The samples were collected by Tetra Tech on June 22, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8082 for PCBs analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times and Preservation
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Recoveries
* • Matrix Spike / Matrix Spike Duplicate Recoveries
* • Internal Standard Results
* • Detection Limits
* • Compound Quantitation

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCBs

In the target compound identification, sample 13SB1970002 had a relative percent deviation (%RPD) greater than the quality control limit of 25%. The %RPD was greater than 25% but less than 100% and the positive result was qualified (J).

SAMPLE	ANALYTE	%RPD	QUALIFICATION
13SB1970002	Aroclor 1260	52.0	J

Positive results less than the reporting limit (RL) were qualified as estimated, (J), due to uncertainty near the detection limit.

TO: S. Ruffing
FROM: A. Cognetti
DATE: October 5, 2010
SDG: 1006177
PAGE: 2

Notes

Sample 13SB1970002 was diluted 10X and reanalyzed in order to obtain a concentration of Aroclor 1248 within instrument linear calibration range. The Aroclor 1248 result from the diluted sample was used for validation purposes.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Sample 13SB1970002 had target percent difference between columns exceeding quality control limits for Aroclor 1260 resulting in the qualification of data.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti
Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00477	NSAMPLE	13SB1970002			13SB1970002DL			13SB1980002			13SB1990002		
SDG: 1006177	LAB_ID	1006177-01			1006177-01RE1			1006177-02			1006177-03		
FRACTION: PCB	SAMP_DATE	6/22/2010			6/22/2010			6/22/2010			6/22/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0			85.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U					88	U		87	U	
AROCLOR-1221		71	U					71	U		70	U	
AROCLOR-1232		30	U					29	U		29	U	
AROCLOR-1242		42	U					41	U		41	U	
AROCLOR-1248					2100			29	U		40		
AROCLOR-1254		24	U					24	U		23	U	
AROCLOR-1260		27	J	PU				35	U		35	U	

PROJ_NO: 00477	NSAMPLE	13SB2000002			13SB2010002		
SDG: 1006177	LAB_ID	1006177-04			1006177-05		
FRACTION: PCB	SAMP_DATE	6/22/2010			6/22/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	84.0			85.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		88	U	
AROCLOR-1221		71	U		71	U	
AROCLOR-1232		30	U		29	U	
AROCLOR-1242		42	U		41	U	
AROCLOR-1248		72			72		
AROCLOR-1254		24	U		24	U	
AROCLOR-1260		36	U		35	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D

GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1970002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/30/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	1000	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	27	JP

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1970002DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/30/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	890	U
11104-28-2------	Aroclor-1221	710	U
11141-16-5------	Aroclor-1232	300	U
53469-21-9------	Aroclor-1242	420	U
12672-29-6------	Aroclor-1248	2100	D
11097-69-1------	Aroclor-1254	240	U
11096-82-5------	Aroclor-1260	360	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1980002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/28/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB1990002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/28/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	40	
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB2000002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/28/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	72	
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SB2010002

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1006177

Matrix: (soil/water) SOIL Lab Sample ID: 1006177-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 06/24/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 06/25/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 06/28/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	72	
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 1 OF 1

PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Steve Ruffing 412-921-8989	LABORATORY NAME AND CONTACT: Compuchem - Cathy Dover
SAMPLERS (SIGNATURE): Betsy Collins		FIELD OPERATIONS LEADER AND PHONE NUMBER: Betsy Collins 412-921-8250	ADDRESS: 501 Madison Avenue
		CARRIER/WAYBILL NUMBER: 863138885059	CITY, STATE: Cary, NC 27513

STANDARD TAT ☐
RUSH TAT ☑
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☑ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G
PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCB 4oz	COMMENTS
6/22	1055	13SB1970002	SO	G	1	X	1006177-01
	11:10	13SB1980002				X	-02
	1120	13SB1990002				X	-03
	1128	13SB2000002				X	-04
	1138	13SB2010002				X	-05

1. RELINQUISHED BY: Betsy Collins	DATE: 6/23/10	TIME: 1500	1. RECEIVED BY: Diane Boyd	DATE: 6/24/10	TIME: 0916
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: Received @ 1.3°C SN0015

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TINUS-001

87

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 23, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB CTO 377, NSWC CRANE SDG 1007054**		
SAMPLES:	11 / SOIL / PCB (Aroclors)		

13SOCW126	13SOCW127	13SOCW128
13SOCW129	13SOCW131	13SOCW132
13SOCW133	13SOCW134	13SOCW135
13SOCW137	13SOCW138	

OVERVIEW

The sample set for CTO 377, NSWC CRANE, SDG 1007054 consisted of eleven (11) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on July 8, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
* • Detection Limits
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The relative percent difference (RPD) for Aroclor results from the CLPEST and CLPEST2 columns was greater than the 25% quality control limit for a number of samples. The samples with RPDs greater than 25% but less than or equal to 100% were qualified estimated, (J). The following is a list of the samples, RPDs, and qualifiers.

Sample	Compound	RPD	Qualifer
13SOCW129	Aroclor-1260	33.3	J
13SOCW131	Aroclor-1248	25.6	J

NOTES

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The lower result of the two column analyses was reported by the laboratory for all positive analytes.

Some samples were diluted due to high levels of Aroclors which exceeded the highest calibration level. These samples were diluted and re-analyzed as listed below. Aroclors which were non-detected or did not exceed the highest calibration level were reported from the undiluted sample analyses. Results exceeding the linear range in the undiluted analyses were reported from the dilution analysis.

Sample	Dilution
13SOCW129	50X
13SOCW137	5X
13SOCW138	10X

The Aroclor-1016 result for the undiluted analysis of sample 13SOCW129 was incorrectly calculated on the Form 1 for both the CLPEST and CLPEST2 columns as well as entered incorrectly in the electronic database (EDD). The laboratory had reported the Aroclor-1016 result from the undiluted analysis as exceeding the linear calibration range but did not enter a correct value on the Form 1. The correct values were manually calculated and the Form 1 was corrected. The Aroclor-1016 result from the 50X dilution analysis was entered into the database and was used for validation. The laboratory was contacted and was asked to correct the affected forms.

Non-detected results were reported at the practical quantitation limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Aroclor column RPD quality control limit exceedances resulted in data qualifications.

Other Factors Affecting Data Quality: Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's r < 0.995 / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient r < 0.995
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SOCW126			13SOCW127			13SOCW128			13SOCW129		
SDG: 1007054	LAB_ID	1007054-01			1007054-02			1007054-03			1007054-04		
FRACTION: PEST/PCB	SAMP_DATE	7/8/2010			7/8/2010			7/8/2010			7/8/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	82.0			83.0			86.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		240			120			87	U				
AROCLOR-1221		73	U		72	U		70	U		71	U	
AROCLOR-1232		30	U		30	U		29	U		30	U	
AROCLOR-1242		43	U		42	U		41	U		42	U	
AROCLOR-1248		170			120			41					
AROCLOR-1254		24	U		24	U		23	U		24	U	
AROCLOR-1260		37	U		36	U		35	U		100	J	U

PROJ_NO: 00041	NSAMPLE	13SOCW129RE			13SOCW131			13SOCW132			13SOCW133		
SDG: 1007054	LAB_ID	1007054-04RE1			1007054-05			1007054-06			1007054-07		
FRACTION: PEST/PCB	SAMP_DATE	7/8/2010			7/8/2010			7/8/2010			7/8/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			83.0			89.0			82.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		7400			90	U		84	U		91	U	
AROCLOR-1221					72	U		67	U		73	U	
AROCLOR-1232					30	U		28	U		30	U	
AROCLOR-1242					42	U		39	U		43	U	
AROCLOR-1248		7600			17	J	PU	28	U		30	U	
AROCLOR-1254					24	U		22	U		24	U	
AROCLOR-1260					36	U		34	U		37	U	

PROJ_NO: 00041	NSAMPLE	13SOCW134			13SOCW135			13SOCW137			13SOCW137RE		
SDG: 1007054	LAB_ID	1007054-08			1007054-09			1007054-10			1007054-10RE1		
FRACTION: PEST/PCB	SAMP_DATE	7/8/2010			7/8/2010			7/8/2010			7/8/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.0			79.0			84.0			84.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		84	U		95	U		89	U				
AROCLOR-1221		67	U		76	U		71	U				
AROCLOR-1232		28	U		32	U		30	U				
AROCLOR-1242		39	U		44	U		42	U				
AROCLOR-1248		12	J	P	32	U					400		
AROCLOR-1254		22	U		25	U		24	U				
AROCLOR-1260		34	U		38	U		36	U				

PROJ_NO: 00041 SDG: 1007054 FRACTION: PEST/PCB MEDIA: SOIL	NSAMPLE	13SOCW138			13SOCW138RE		
	LAB_ID	1007054-11			1007054-11RE1		
	SAMP_DATE	7/8/2010			7/8/2010		
	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U				
AROCLOR-1221		71	U				
AROCLOR-1232		30	U				
AROCLOR-1242		42	U				
AROCLOR-1248					1800		
AROCLOR-1254		24	U				
AROCLOR-1260		29	J	P			

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW126

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	240	
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	170	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW127

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	120	
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	120	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW128

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	41	
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW129

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	~~0.0~~ 5900	EP
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	5200	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	100	

7-23-10 JAA

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW129DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-04RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	7400	D
11104-28-2	Aroclor-1221	3600	U
11141-16-5	Aroclor-1232	1500	U
53469-21-9	Aroclor-1242	2100	U
12672-29-6	Aroclor-1248	7600	D
11097-69-1	Aroclor-1254	1200	U
11096-82-5	Aroclor-1260	1800	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW131

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	90	U
11104-28-2------	Aroclor-1221	72	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	17	J
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW132

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	84	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	28	U
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW133

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/12/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW134

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	84	U
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	12	J
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW135

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 21 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	95	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW137

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	350	E
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW137DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-10RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	450	U
11104-28-2------	Aroclor-1221	360	U
11141-16-5------	Aroclor-1232	150	U
53469-21-9------	Aroclor-1242	210	U
12672-29-6------	Aroclor-1248	400	D
11097-69-1------	Aroclor-1254	120	U
11096-82-5------	Aroclor-1260	180	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW138

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	89	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	1600	E
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	29	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW138DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007054

Matrix: (soil/water) SOIL Lab Sample ID: 1007054-11RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/10/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) ~~Date Analyzed: 07/14/10~~

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	890	U
11104-28-2------	Aroclor-1221	710	U
11141-16-5------	Aroclor-1232	300	U
53469-21-9------	Aroclor-1242	420	U
12672-29-6------	Aroclor-1248	1800	D
11097-69-1------	Aroclor-1254	240	U
11096-82-5------	Aroclor-1260	360	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 1 OF 1

102

PROJECT NO: 112G0041	SITE NAME: SWMU13	PROJECT MANAGER AND PHONE NUMBER: Tony Klimek	LABORATORY NAME AND CONTACT: CompuChem - Cathy Dover
SAMPLERS (SIGNATURE): G L Sayler		FIELD OPERATIONS LEADER AND PHONE NUMBER: George TenEyck	ADDRESS: 501 Madison Ave
		CARRIER/WAYBILL NUMBER: FEDEX 8631 3888 5037	CITY, STATE: Cary, NC 27513

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☒ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4C

DATE YEAR 2010	TIME	SAMPLE ID (G L Ten Eyck)	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4oz jars								COMMENTS
7/8	1615	13SOCW126	Soil	C	1	X			1007054	-01				
	1625	13SOCW 127				X				-02				
	1630	13SOCW 128				X				-03				
	1635	13SOCW 129				X				-04				
	1655	13SOCW 131				X				-05				
	1700	13SOCW 132				X				-06				
	1710	13SOCW 133				X				-07				
	1720	13SOCW 134				X				-08				
	1735	13SOCW 135				X				-09				
	1745	13SOCW 137				X				-10				
	1800	13SOCW 138				X				-11				
7/9	1200	~~13~~ temperature blank												

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: G L Ten Eyck	7/9/10	1126a	1. RECEIVED BY: Jennifer Dover	7/10/10	1048
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS: rec'd @ temp 0.2°C SN0015

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TINUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**OCTOBER 5, 2010**
FROM:	**CHERYLE LU**	**COPIES:**	**DV FILE**

SUBJECT: **DATA VALIDATION – POLYCHLORINATED BIPHENYLS (PCBs)**
NAVAL SURFACE WARFARE CENTER (NSWC), CRANE, INDIANA CTO042
SAMPLE DELIVERY GROUP (SDG) – 1007061

SAMPLES: 15/Solid

13SOCW139	13SOCW140	13SOCW141	13SOCW142	13SOCW143
13SOCW144	13SOCW145	13SOCW146	13SOCW147	13SOCW148
13SOCW149	13SOCW150	13SOCW151	FD070910-01	FD071010-01

Overview

The sample set for SDG 1007061 consists of 15 soil samples. One field duplicate pair sample (13SOCW151/FD070910-01) was included within this SDG. A second blind field duplicate was included in this SDG but the corresponding sample, 13SOCW162, was included in SDG 1007057.

The samples were collected by Tetra Tech NUS on July 9 and 10, 2010, and were analyzed by CompuChem, Cary, NC for polychlorinated biphenyls (PCBs) by Method 8082A.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibrations
* • Laboratory Method and Field Quality Control Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
* • Compound Quantitation
* • Difference between columns
* • Field Duplicate Precision
* • Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Polychlorinated Biphenyls (PCBs):

The sample FD071010-01 was diluted 10 times (10X) by the laboratory due to instrument calibration range exceedance in the original sample resulting in increased reporting limits for the target analytes.

Field duplicate imprecision was noted in the sample pair 13SOCW151/FD070910-01. The relative percent difference (RPD) was greater than 50% for Aroclor-1248. Positive results in the affected field duplicate pair were qualified as estimated "J".

Notes:

The positive results reported below the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

Executive Summary

Laboratory Performance: No performance issues were noted.

Other Factors Affecting Data Quality: Field duplicate imprecision was observed for Aroclor-1248 in one sample pair.

The data for the analysis were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999), and DoD QSM (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified above."

Tetra Tech NUS
Cheryle C. Lu
Senior Toxicologist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Data Qualifier Key:

J - The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Nondetected result

UJ - Estimated nondetect due to technical noncompliance

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 00477	NSAMPLE	13SOCW139			13SOCW140			13SOCW141			13SOCW142		
SDG: 1007061	LAB_ID	1007061-01			1007061-02			1007061-03			1007061-04		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.0			87.0			86.0			89.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		86	U		86	U		87	U		84	U	
AROCLOR-1221		69	U		69	U		70	U		67	U	
AROCLOR-1232		29	U		29	U		29	U		28	U	
AROCLOR-1242		40	U		40	U		41	U		39	U	
AROCLOR-1248		29	U		29	U		26	J	P	28	U	
AROCLOR-1254		23	U		23	U		23	U		22	U	
AROCLOR-1260		34	U		34	U		35	U		34	U	

PROJ_NO: 00477	NSAMPLE	13SOCW143			13SOCW144			13SOCW145			13SOCW146		
SDG: 1007061	LAB_ID	1007061-05			1007061-08			1007061-06			1007061-07		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	76.0			81.0			81.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		99	U		93	U		280			120		
AROCLOR-1221		79	U		74	U		74	U		71	U	
AROCLOR-1232		33	U		31	U		31	U		29	U	
AROCLOR-1242		46	U		43	U		43	U		41	U	
AROCLOR-1248		340			31	U		240			77		
AROCLOR-1254		26	U		25	U		25	U		24	U	
AROCLOR-1260		13	J	P	37	U		37	U		35	U	

PROJ_NO: 00477	NSAMPLE	13SOCW147			13SOCW148			13SOCW149			13SOCW150		
SDG: 1007061	LAB_ID	1007061-09			1007061-10			1007061-11			1007061-12		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.0			82.0			86.0			77.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U		91	U		87	U		97	U	
AROCLOR-1221		71	U		73	U		70	U		78	U	
AROCLOR-1232		30	U		30	U		29	U		32	U	
AROCLOR-1242		42	U		43	U		41	U		45	U	
AROCLOR-1248		30	U		30	U		29	U		32	U	
AROCLOR-1254		24	U		24	U		23	U		26	U	
AROCLOR-1260		36	U		37	U		35	U		39	U	

PROJ_NO: 00477	NSAMPLE	13SOCW151			FD070910-01			FD071010-01			FD071010-01DL		
SDG: 1007061	LAB_ID	1007061-13			1007061-15			1007061-14			1007061-14RE1		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/10/2010			7/10/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	74.0			88.0			88.0			88.0		
	DUP_OF				13SOCW151			13SOCW162			13SOCW162		
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		120			90			85	U				
AROCLOR-1221		81	U		68	U		68	U				
AROCLOR-1232		34	U		28	U		28	U				
AROCLOR-1242		47	U		40	U		40	U				
AROCLOR-1248		170	J	G	99	J	G				1400		
AROCLOR-1254		27	U		23	U		23	U				
AROCLOR-1260		41	U		34	U		33	J	P			

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW139

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW140

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	29	U
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW141

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	26	J
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW142

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	84	U
11104-28-2------	Aroclor-1221	67	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	39	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	34	U

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1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW142MS

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 0071301-MS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	150	
11104-28-2------	Aroclor-1221	67	U
11141-16-5------	Aroclor-1232	28	U
53469-21-9------	Aroclor-1242	39	U
12672-29-6------	Aroclor-1248	28	U
11097-69-1------	Aroclor-1254	22	U
11096-82-5------	Aroclor-1260	160	

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW142MSD

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 0071301-MSD1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 11 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	
11104-28-2	Aroclor-1221	67	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	28	U
11097-69-1	Aroclor-1254	22	U
11096-82-5	Aroclor-1260	160	

FORM I PEST

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW143

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	99	U
11104-28-2------	Aroclor-1221	79	U
11141-16-5------	Aroclor-1232	33	U
53469-21-9------	Aroclor-1242	46	U
12672-29-6------	Aroclor-1248	340	
11097-69-1------	Aroclor-1254	26	U
11096-82-5------	Aroclor-1260	13	J

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW144

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	93	U
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	31	U
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW145

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	280	
11104-28-2	Aroclor-1221	74	U
11141-16-5	Aroclor-1232	31	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	240	
11097-69-1	Aroclor-1254	25	U
11096-82-5	Aroclor-1260	37	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW146

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	120	
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	77	
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	35	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW147

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW148

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	91	U
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	30	U
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW149

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW150

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	97	U
11104-28-2	Aroclor-1221	78	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	32	U
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	39	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW151

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 26 decanted: (Y/N) Y Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	120	
11104-28-2	Aroclor-1221	81	U
11141-16-5	Aroclor-1232	34	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	170	
11097-69-1	Aroclor-1254	27	U
11096-82-5	Aroclor-1260	41	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD070910-01

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	99	
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD071010-01

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-14

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	85	U
11104-28-2	Aroclor-1221	68	U
11141-16-5	Aroclor-1232	28	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	1200	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	33	J

FORM I PEST

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FD071010-01DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 1007061-14RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 12 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	850	U
11104-28-2	Aroclor-1221	680	U
11141-16-5	Aroclor-1232	280	U
53469-21-9	Aroclor-1242	400	U
12672-29-6	Aroclor-1248	1400	D
11097-69-1	Aroclor-1254	230	U
11096-82-5	Aroclor-1260	340	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNY

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNZ

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOA

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted: _____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOB

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOC

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOD

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOG

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOH

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOI

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOJ

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PJULCS

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007061

Matrix: (soil/water) SOIL Lab Sample ID: 0071301-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/13/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	130	
11104-28-2------	Aroclor-1221	60	U
11141-16-5------	Aroclor-1232	25	U
53469-21-9------	Aroclor-1242	35	U
12672-29-6------	Aroclor-1248	25	U
11097-69-1------	Aroclor-1254	20	U
11096-82-5------	Aroclor-1260	140	

FORM I PEST

APPENDIX C
SUPPORT DOCUMENTATION

Rec'd @ 3.3°, 1.0°, 5.8°C SN0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 1 OF 4

103

PROJECT NO: 112G0241	SITE NAME: SWMUB
SAMPLERS (SIGNATURE)	
PROJECT MANAGER AND PHONE NUMBER	Tony Klimek
FIELD OPERATIONS LEADER AND PHONE NUMBER	George Tentevde
CARRIER/WAYBILL NUMBER	FedEx 8631 3888 5004
LABORATORY NAME AND CONTACT:	Compuchem
ADDRESS	501 Madison Ave
CITY, STATE	Cary, NC

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

Todd Clark

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4 oz							(PPM) Test Kit COMMENTS Results
7/9	1625	13SOC10139	Soil	C	1	X					1007061-01		nd
	1615	13SOC10140				X						-02	nd
	1710	13SOC10141				X						-03	nd
	1645	13SOC10142				X						-04	nd
	1410	13SOC10143				X						-05	0.0477 nd
	1350	13SOC10145				X						-06	0.2114 nd
	1040	13SOC10146				X						-07	nd
	1400	13SOC10144				X						-08	0.0175 nd
	1055	13SOC10147				X						-09	nd
	1110	13SOC10148				X						-10	nd
	1125	13SOC10149				X						-11	nd
	1140	13SOC10150				X						-12	nd
	1350	13SOC10151				X						-13	2 ppm

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	7/10/10	1300	1. RECEIVED BY	07/12/10	1005
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

Rec'd @ 5.8°C

TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER SN0015 | PAGE 3 OF 4

104

PROJECT NO: 112G00041	SITE NAME: SWMU13
SAMPLERS (SIGNATURE)	
PROJECT MANAGER AND PHONE NUMBER	Tony Klimek
FIELD OPERATIONS LEADER AND PHONE NUMBER	George TenEyck
CARRIER/WAYBILL NUMBER	FEDEX ~~836~~ 8631885086
LABORATORY NAME AND CONTACT:	CompuChem
ADDRESS	501 Madison Ave
CITY, STATE	Cary, NC

STANDARD TAT ☒
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs 4 oz

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs 4 oz							COMMENTS
7/10	0000	FD071010-01	SOIL	C	1	X					1007061-14		
7/9	0000	FD070910-01	SOIL	C	1	X					-15		

1. RELINQUISHED BY	DATE 7/10/10	TIME 1300	1. RECEIVED BY	DATE 07/12/10	TIME 1005
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**R. BASINSKI**	**DATE:**	**JULY 23, 2010**
FROM:	**JOSEPH KALINYAK**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION: PCB** **CTO 377, NSWC CRANE** **SDG 1007057**		
SAMPLES:	4 / SOIL / PCB (Aroclors)		

13SOCW152 13SOCW155 13SOCW162
13SOCW163

OVERVIEW

The sample set for CTO 377, NSWC CRANE, SDG 1007057 consisted of four (4) soil environmental samples. There were no field duplicate pairs associated with this sample delivery group (SDG). All samples were analyzed for polychlorinated biphenyls (PCB).

The samples were collected by TetraTech NUS on July 9 and 10, 2010 and analyzed by CompuChem Laboratory. All analyses were conducted in accordance with USEPA SW 846 Method 8082A analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Hold times
* • Initial and continuing calibration
* • Blank results
* • Surrogate spike recoveries
* • Blank Spike/Blank Spike Duplicate Results
* • Detection Limits
• Compound Quantitation
* • Compound Identification

The symbol (*) indicates that all quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCB

The relative percent difference (RPD) for Aroclor results from the CLPEST and CLPEST2 columns was greater than the 25% quality control limit for a number of samples. The samples with RPDs greater than 25% but less than or equal to 100% were qualified estimated, (J). The following is a list of the samples, RPDs, and qualifiers.

Sample	Compound	RPD	Qualifier
13SOCW162	Aroclor-1260	30.6	J
13SOCW163	Aroclor-1260	48.6	J

NOTES

Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The lower result of the two column analyses was reported by the laboratory for all positive analytes.

Some samples were diluted due to high levels of Aroclors which exceeded the highest calibration level. These samples were diluted and re-analyzed as listed below. Aroclors which were non-detected or did not exceed the highest calibration level were reported from the undiluted sample analyses.

Sample	Dilution
13SOCW155	100X
13SOCW162	10X

EXECUTIVE SUMMARY

Laboratory Performance Issues: Aroclor column RPD quality control limit exceedances resulted in data qualifications.

Other Factors Affecting Data Quality: Positive results reported below the quantitation limit but above the method detection limit were qualified as estimated, (J).

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Joseph Kalinyak
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:
1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Value Qualifier Key (Val Qual)

J – The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The result is an estimated non-detected quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

U - Value is a non-detect as reported by the laboratory.

UR – Non-detected result is considered rejected, (UR), as a result of technical non-compliances.

DATA QUALIFICATION CODE (QUAL CODE)

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$ / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00041	NSAMPLE	13SOCW152			13SOCW155			13SOCW155RE			13SOCW162		
SDG: 1007057	LAB_ID	1007057-01			1007057-02			1007057-02RE1			1007057-03		
FRACTION: PEST/PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/10/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	78.0			85.0			85.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		96	U					25000			88	U	
AROCLOR-1221		77	U		71	U					71	U	
AROCLOR-1232		32	U		29	U					29	U	
AROCLOR-1242		45	U		41	U					41	U	
AROCLOR-1248		28	J	P				13000					
AROCLOR-1254		26	U		24	U					24	U	
AROCLOR-1260		38	U		110						36	J	U

PROJ_NO: 00041	NSAMPLE	13SOCW162RE			13SOCW163		
SDG: 1007057	LAB_ID	1007057-03RE1			1007057-04		
FRACTION: PEST/PCB	SAMP_DATE	7/10/2010			7/10/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	85.0			85.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016					88	U	
AROCLOR-1221					71	U	
AROCLOR-1232					29	U	
AROCLOR-1242					41	U	
AROCLOR-1248		2000			210		
AROCLOR-1254					24	U	
AROCLOR-1260					14	J	PU

APPENDIX B

RESULTS AS REPORTED BY THE LABORATOR

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW152

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	96	U
11104-28-2	Aroclor-1221	77	U
11141-16-5	Aroclor-1232	32	U
53469-21-9	Aroclor-1242	45	U
12672-29-6	Aroclor-1248	28	J
11097-69-1	Aroclor-1254	26	U
11096-82-5	Aroclor-1260	38	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW155

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	15000	E
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	6300	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	110	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW155DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-02RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	25000	D
11104-28-2	Aroclor-1221	7100	U
11141-16-5	Aroclor-1232	2900	U
53469-21-9	Aroclor-1242	4100	U
12672-29-6	Aroclor-1248	13000	D
11097-69-1	Aroclor-1254	2400	U
11096-82-5	Aroclor-1260	3500	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW162

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	1700	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	36	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW162DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-03RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	880	U
11104-28-2	Aroclor-1221	710	U
11141-16-5	Aroclor-1232	290	U
53469-21-9	Aroclor-1242	410	U
12672-29-6	Aroclor-1248	2000	D
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	350	U

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1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW163

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007057

Matrix: (soil/water) SOIL Lab Sample ID: 1007057-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	88	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	210	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	14	JP

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

Rec'd @ 5.8°, 3.3°, 1.0°C SN0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 2 OF 4

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PROJECT NO: 112G08041	SITE NAME: SWMU3
PROJECT MANAGER AND PHONE NUMBER	Tony Klimek
LABORATORY NAME AND CONTACT:	CompuChem
SAMPLERS (SIGNATURE)	
FIELD OPERATIONS LEADER AND PHONE NUMBER	George Tenczyk
ADDRESS	501 Madison Ave
CARRIER/WAYBILL NUMBER	FEDEX 863138885015
CITY, STATE	Cary NC

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs						COMMENTS: (PPM) Test Kit Results
7/9	1400	13SOCW153	SOIL	C	1	X				1007058-01		6.5 PPM
	1705	13SOCW154				X					-02	3 PPM
	1155	13SOCW156 ✓				X					-03	nd
	1425	13SOCW157				X					-04	nd
	1410	13SOCW158 ✓				X					-05	nd
	1150	13SOCW159 ✓				X					-06	nd
	1624	13SOCW160*				X					-07	—
	1620	13SOCW161 ✓				X					-08	nd
	1630	13SOCF092 ✓				X					-09	0.0825 nd
	1420	13SOCF093				X					-10	0.2340 nd
	—	temperature blank	—	—	—						—	—
7/10	0945	13SOCW162	SOIL	C	1	X				1007057-03		not tested
	0955	13SOCW163		C	1	X					-04	not tested.

1. RELINQUISHED BY	DATE 7/10/10	TIME 1300	1. RECEIVED BY	DATE 07/12/10	TIME 1005 1010
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS * 13SOCW160 No Time listed on label. 07/12/10

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

TETRA TECH NUS, INC.

Rec'd @ 5.8°, 3.3°C SN0015

CHAIN OF CUSTODY | NUMBER

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PROJECT NO:	SITE NAME:	PROJECT MANAGER AND PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00641	SWMU13	Tony Klimek	Compu Chem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: George TenEyck	ADDRESS: 501 Madison Ave
		CARRIER/WAYBILL NUMBER: Fedex 863138885004	CITY, STATE: Cary NC

STANDARD TAT ☐
RUSH TAT ☒
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

TYPE OF ANALYSIS: PCBs

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	PCBs							COMMENTS
7/9	1400	BS0CW152	SOIL	C	1	X				1007057-01			20 PPM test kit
7/9	1152	BS0CW155	SOIL	C	1	X				✓ -02			93 PPM test kit

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	7/10/10	1300	1. RECEIVED BY	07/12/10	1005
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

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Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**OCTOBER 6, 2010**
FROM:	**CHERYLE LU**	**COPIES:**	**DV FILE**

SUBJECT: **DATA VALIDATION – POLYCHLORINATED BIPHENYLS (PCBs)**
NAVAL SURFACE WARFARE CENTER (NSWC), CRANE, INDIANA CTO042
SAMPLE DELIVERY GROUP (SDG) – 1007058

SAMPLES: 10/Solid

13SOCW153	13SOCW154	13SOCW156	13SOCW157	13SOCW158
13SOCW159	13SOCW160	13SOCW161	13SOCF092	13SOCF093

Overview

The sample set for SDG 1007058 consists of 10 soil samples. These samples were analyzed for polychlorinated biphenyls (PCBs) by Method 8082A.

The samples were collected by Tetra Tech NUS on July 9, 2010, and were analyzed by CompuChem, Cary, NC for polychlorinated biphenyls (PCBs) by Method 8082A

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Initial and Continuing Calibrations
* • Laboratory Method and Field Quality Control Blank Analyses
• Surrogate Recoveries
* • Laboratory Control Sample Results
* • Matrix Spike/ Matrix Spike Duplicate Results
• Difference between columns
* • Compound Quantitation
* • Detection Limits

* - Quality control criteria were met for this parameter.

Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

Polychlorinated Biphenyls (PCBs):

The samples 13SOCF093DL, 13SOCW154DL and 13SOCW153DL, were diluted 10X, 20X, and 50X, respectively by the laboratory in order to quantify one or more compounds that exceeded the linear calibration range in the initial undiluted analysis.

The positive compound results of Aroclor-1260 (for samples 13SOCF093 and 13SOCW154) were qualified as estimated, "J", for the sample result having relative percent difference (RPD) value between columns exceeded 25%.

Notes

The positive results reported below the reporting limit (RL) were qualified as estimated "J", due to uncertainty near the detection limit.

All surrogate recoveries, on both columns, in the diluted analysis of sample 13SOCW153 were noncompliant. No action was taken because all surrogate recoveries were compliant in the undiluted analysis.

Executive Summary

Laboratory Performance: No laboratory performance issues were noted.

Other Factors Affecting Data Quality: Three samples were qualified due to RPD values between columns exceeded 25%. One sample was qualified due to surrogate noncompliance.

The data for the analysis were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999), and DoD QSM (January 2006).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified above."

Tetra Tech NUS
Cheryle C. Lu
Senior Toxicologist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

Data Qualifier Key:

J	-	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
U	-	Nondetected result.
UJ	-	Nondetected result. Quantitation limit may be inaccurate or imprecise.

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 00477	NSAMPLE	13SOCF092			13SOCF093			13SOCF093DL			13SOCW153		
SDG: 1007058	LAB_ID	1007058-09			1007058-10			1007058-10RE1			1007058-01		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			83.0			83.0			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U		90	U					88	U	
AROCLOR-1221		72	U		72	U					71	U	
AROCLOR-1232		30	U		30	U					29	U	
AROCLOR-1242		42	U		42	U					41	U	
AROCLOR-1248		200						1300					
AROCLOR-1254		24	U		24	U					24	U	
AROCLOR-1260		36	U		19	J	U				140		

PROJ_NO: 00477	NSAMPLE	13SOCW153DL			13SOCW154			13SOCW154DL			13SOCW156		
SDG: 1007058	LAB_ID	1007058-01RE1			1007058-02			1007058-02RE1			1007058-03		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.0			87.0			87.0			86.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016								2100			87	U	
AROCLOR-1221					69	U					70	U	
AROCLOR-1232					29	U					29	U	
AROCLOR-1242					40	U					41	U	
AROCLOR-1248		6400						2300			11	J	P
AROCLOR-1254					23	U					23	U	
AROCLOR-1260					33	J	PU				35	U	

PROJ_NO: 00477	NSAMPLE	13SOCW157			13SOCW158			13SOCW159			13SOCW160		
SDG: 1007058	LAB_ID	1007058-04			1007058-05			1007058-06			1007058-07		
FRACTION: PCB	SAMP_DATE	7/9/2010			7/9/2010			7/9/2010			7/9/2010		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	83.0			82.0			87.0			71.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		90	U		54	J	P	86	U		110	U	
AROCLOR-1221		72	U		73	U		69	U		85	U	
AROCLOR-1232		30	U		30	U		29	U		35	U	
AROCLOR-1242		42	U		43	U		40	U		49	U	
AROCLOR-1248		30	U		59			9.2	J	P	35	U	
AROCLOR-1254		24	U		24	U		23	U		28	U	
AROCLOR-1260		36	U		37	U		34	U		42	U	

PROJ_NO: 00477	NSAMPLE	13SOCW161		
SDG: 1007058	LAB_ID	1007058-08		
FRACTION: PCB	SAMP_DATE	7/9/2010		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	87.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		86	U	
AROCLOR-1221		69	U	
AROCLOR-1232		29	U	
AROCLOR-1242		40	U	
AROCLOR-1248		29	U	
AROCLOR-1254		23	U	
AROCLOR-1260		34	U	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF092

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	90	U
11104-28-2------	Aroclor-1221	72	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	200	
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF093

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	90	U
11104-28-2	Aroclor-1221	72	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	1200	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	19	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF093DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-10RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	900	U
11104-28-2------	Aroclor-1221	720	U
11141-16-5------	Aroclor-1232	300	U
53469-21-9------	Aroclor-1242	420	U
12672-29-6------	Aroclor-1248	1300	D
11097-69-1------	Aroclor-1254	240	U
11096-82-5------	Aroclor-1260	360	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW153

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	88	U
11104-28-2------	Aroclor-1221	71	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	4300	E
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	140	

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW153DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 15 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	4400	U
11104-28-2------	Aroclor-1221	3500	U
11141-16-5------	Aroclor-1232	1500	U
53469-21-9------	Aroclor-1242	2100	U
12672-29-6------	Aroclor-1248	6400	D
11097-69-1------	Aroclor-1254	1200	U
11096-82-5------	Aroclor-1260	1800	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW154

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	1600	E
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	1800	E
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	33	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW154DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-02RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	2100	D
11104-28-2------	Aroclor-1221	1400	U
11141-16-5------	Aroclor-1232	570	U
53469-21-9------	Aroclor-1242	800	U
12672-29-6------	Aroclor-1248	2300	D
11097-69-1------	Aroclor-1254	460	U
11096-82-5------	Aroclor-1260	690	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW156

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	87	U
11104-28-2------	Aroclor-1221	70	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	41	U
12672-29-6------	Aroclor-1248	11	J
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW157

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 17 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	90	U
11104-28-2------	Aroclor-1221	72	U
11141-16-5------	Aroclor-1232	30	U
53469-21-9------	Aroclor-1242	42	U
12672-29-6------	Aroclor-1248	30	U
11097-69-1------	Aroclor-1254	24	U
11096-82-5------	Aroclor-1260	36	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW158

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 18 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	54	J
11104-28-2	Aroclor-1221	73	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	59	
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	37	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW159

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	9.2	J
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW160

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 29 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	110	U
11104-28-2------	Aroclor-1221	85	U
11141-16-5------	Aroclor-1232	35	U
53469-21-9------	Aroclor-1242	49	U
12672-29-6------	Aroclor-1248	35	U
11097-69-1------	Aroclor-1254	28	U
11096-82-5------	Aroclor-1260	42	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW161

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 1007058-08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/12/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted:07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	86	U
11104-28-2------	Aroclor-1221	69	U
11141-16-5------	Aroclor-1232	29	U
53469-21-9------	Aroclor-1242	40	U
12672-29-6------	Aroclor-1248	29	U
11097-69-1------	Aroclor-1254	23	U
11096-82-5------	Aroclor-1260	34	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNS

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNT

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB5

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNU

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNV

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNW

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKNX

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOC

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

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1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOD

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOE

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOF

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB3

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/14/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOG

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOH

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB1

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) ____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	0.93	U
11104-28-2	Aroclor-1221	1.3	U
11141-16-5	Aroclor-1232	0.93	U
53469-21-9	Aroclor-1242	0.63	U
12672-29-6	Aroclor-1248	0.63	U
11097-69-1	Aroclor-1254	0.63	U
11096-82-5	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOI

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLKOJ

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) WATER Lab Sample ID: SEQ-CCB2

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) _____ Date Extracted:_____

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/15/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2------	Aroclor-1016	0.93	U
11104-28-2------	Aroclor-1221	1.3	U
11141-16-5------	Aroclor-1232	0.93	U
53469-21-9------	Aroclor-1242	0.63	U
12672-29-6------	Aroclor-1248	0.63	U
11097-69-1------	Aroclor-1254	0.63	U
11096-82-5------	Aroclor-1260	0.93	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PJTLCS

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007058

Matrix: (soil/water) SOIL Lab Sample ID: 0071221-BS1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 0 decanted: (Y/N) N Date Received: _____

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/12/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/13/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2------	Aroclor-1016	140	
11104-28-2------	Aroclor-1221	60	U
11141-16-5------	Aroclor-1232	25	U
53469-21-9------	Aroclor-1242	35	U
12672-29-6------	Aroclor-1248	25	U
11097-69-1------	Aroclor-1254	20	U
11096-82-5------	Aroclor-1260	140	

FORM I PEST

APPENDIX C
SUPPORT DOCUMENTATION

Rec'd @ 5.8°, 3.3°, 1.0°C SN0015

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 2 OF 4

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PROJECT NO: 112G08041	SITE NAME: SD2413
PROJECT MANAGER AND PHONE NUMBER	Tony Klimek
LABORATORY NAME AND CONTACT:	CompuChem
SAMPLERS (SIGNATURE)	
FIELD OPERATIONS LEADER AND PHONE NUMBER	George Tenczyk
ADDRESS	501 Madison Ave
CARRIER/WAYBILL NUMBER	FEDEX 863138885015
CITY, STATE	Cary NC

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs						COMMENTS (PPM) Test kit Results
7/9	1400	13SOCW153	SOIL	C	1	X				1007058-01		6.5 PPM
	1705	13SOCW154				X					-02	3 PPM
	1155	13SOCW156 ✓				X					-03	nd
	1425	13SOCW157				X					-04	nd
	1410	13SOCW158 ✓				X					-05	nd
	1150	13SOCW159 ✓				X					-06	nd
	1624	13SOCW160*				X					-07	—
	1620	13SOCW161 ✓				X					-08	nd
	1630	13SOCF092 ✓				X					-09	0.0825 nd
	1420	13SOCF093				X					-10	0.2340 nd
	—	temperature blank	—	—	—					—		—
7/10	0945	13SOCW162	SOIL	C	1	X				1007057-03		not tested
	0955	13SOCW163		C	1	X					-04	not tested.

1. RELINQUISHED BY	DATE 7/10/10	TIME 1300	1. RECEIVED BY	DATE 07/12/10	TIME 1005
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME 1010
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS * 13SOCW160 No Time listed on label. 7/12/10

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 13, 2010**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO 042, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 1007084

SAMPLES: 2/Solid/PCB

13SOCF094 13SOCW164

OVERVIEW

The sample set for NSWC CRANE, CTO 042, SDG 1007084 consists of two (2) solid environmental samples analyzed for polychlorinated biphenyls (PCBs). There is no field duplicate pair included within this SDG.

The samples were collected by Tetra Tech on July 14, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8082 for PCBs analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times and Preservation
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Recoveries
* • Matrix Spike / Matrix Spike Duplicate Recoveries
* • Internal Standard Results
* • Detection Limits
* • Compound Quantitation

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCBs

Positive results less than the reporting limit (RL) were qualified as estimated, (J), due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

TO: S. Ruffing
FROM: A. Cognetti
DATE: September 13, 2010
SDG: 1007084
PAGE: 2

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti

Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00477	NSAMPLE	13SOCF094			13SOCW164		
SDG: 1007084	LAB_ID	1007084-01			1007084-02		
FRACTION: PCB	SAMP_DATE	7/14/2010			7/14/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	86.0			87.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		87	U		86	U	
AROCLOR-1221		70	U		69	U	
AROCLOR-1232		29	U		29	U	
AROCLOR-1242		41	U		40	U	
AROCLOR-1248		150			11	J	P
AROCLOR-1254		23	U		23	U	
AROCLOR-1260		35	U		34	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCF094

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007084

Matrix: (soil/water) SOIL Lab Sample ID: 1007084-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 14 decanted: (Y/N) N Date Received: 07/16/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/16/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/20/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	87	U
11104-28-2	Aroclor-1221	70	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	150	
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	35	U

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW164

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007084

Matrix: (soil/water) SOIL Lab Sample ID: 1007084-02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 07/16/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/16/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/17/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	86	U
11104-28-2	Aroclor-1221	69	U
11141-16-5	Aroclor-1232	29	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	11	J
11097-69-1	Aroclor-1254	23	U
11096-82-5	Aroclor-1260	34	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC. Rec'd @ 0.8°C SND015

CHAIN OF CUSTODY | NUMBER 0002 | PAGE 1 OF 1

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PROJECT NO: 112G00041	SITE NAME: SWMU 13	PROJECT MANAGER AND PHONE NUMBER: Tony Klimek 513-557-5057	LABORATORY NAME AND CONTACT: Compuchem
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER: George Ten Eyck 513-557-5043	ADDRESS: 501 Madison Ave
		CARRIER/WAYBILL NUMBER: 8631-3888-4980	CITY, STATE: Cary, NC

STANDARD TAT ☐
RUSH TAT ☐
☐ 24 hr. ☐ 48 hr. ☒ 72 hr. ☐ 7 day ☐ 14 day

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: 4°C

DATE YEAR 2010	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4oz							COMMENTS
7/14	14:35	13 SOCF 094	Soil	C	1	X		1007084-01					< 1.5 ppm
7/14	14:15	13 SOCW 164	L	L	1	X		1007084-02					< 0.5 ppm

1. RELINQUISHED BY	DATE 7/15/10	TIME 2:30	1. RECEIVED BY	DATE 7/16/10	TIME 1007
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO:	**S. RUFFING**	**DATE:**	**SEPTEMBER 13, 2010**
FROM:	**A. COGNETTI**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- PCB**
CTO 042, NSWC CRANE
SAMPLE DELIVERY GROUP (SDG) – 1007091

SAMPLES: 1/Solid/PCB

13SOCW165

OVERVIEW

The sample set for NSWC CRANE, CTO 042, SDG 1007091 consists of one (1) solid environmental sample analyzed for polychlorinated biphenyls (PCBs). There is no field duplicate pair included within this SDG.

The samples were collected by Tetra Tech on July 19, 2010 and analyzed by CompuChem. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8082 for PCBs analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data Completeness
* • Holding Times and Preservation
* • Initial and Continuing Calibrations
* • Laboratory Method Blank Analyses
* • Surrogate Recoveries
* • Laboratory Control Sample Recoveries
* • Matrix Spike / Matrix Spike Duplicate Recoveries
* • Internal Standard Results
* • Detection Limits
* • Compound Quantitation

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PCBs

Positive results less than the reporting limit (RL) were qualified as estimated, (J), due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: None.

Other Factors Affecting Data Quality: None.

TO: S. Ruffing
FROM: A. Cognetti
DATE: September 13, 2010
SDG: 1007091
PAGE: 2

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

Ann Cognetti

Tetra Tech NUS
Ann Cognetti
Chemist/Data Validator

TetraTech NUS
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can be any number of issues; e.g. poor chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00477	NSAMPLE	13SOCW165			13SOCW165DL		
SDG: 1007091	LAB_ID	1007091-01			1007091-01RE1		
FRACTION: PCB	SAMP_DATE	7/19/2010			7/19/2010		
MEDIA: SOIL	QC_TYPE	NM			NM		
	UNITS	UG/KG			UG/KG		
	PCT_SOLIDS	84.0			84.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		89	U				
AROCLOR-1221		71	U				
AROCLOR-1232		30	U				
AROCLOR-1242		42	U				
AROCLOR-1248					2000		
AROCLOR-1254		24	U				
AROCLOR-1260		26	J	P			

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW165

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007091

Matrix: (soil/water) SOIL Lab Sample ID: 1007091-01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/20/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/20/10

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	71	U
11141-16-5	Aroclor-1232	30	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	1600	E
11097-69-1	Aroclor-1254	24	U
11096-82-5	Aroclor-1260	26	J

FORM I PEST

1D
GC EXTRACTABLE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

13SOCW165DL

Lab Name: COMPUCHEM Contract: 8082A

Lab Code: LIBRTY Case No.: SAS No.: SDG No.: 1007091

Matrix: (soil/water) SOIL Lab Sample ID: 1007091-01RE1

Sample wt/vol: 30.0 (g/mL) G Lab File ID: _____

% Moisture: 16 decanted: (Y/N) N Date Received: 07/20/10

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 07/20/10

Concentrated Extract Volume: 5000(uL) Date Analyzed: 07/21/10

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	890	U
11104-28-2	Aroclor-1221	710	U
11141-16-5	Aroclor-1232	300	U
53469-21-9	Aroclor-1242	420	U
12672-29-6	Aroclor-1248	2000	D
11097-69-1	Aroclor-1254	240	U
11096-82-5	Aroclor-1260	360	U

FORM I PEST

APPENDIX C

SUPPORT DOCUMENTATION

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER | PAGE 2 OF 2

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PROJECT NO: 112G00041 SITE NAME: SWMU13

SAMPLERS (SIGNATURE)

PROJECT MANAGER AND PHONE NUMBER: Tonya Kimek

FIELD OPERATIONS LEADER AND PHONE NUMBER: George Tentyck

CARRIER/WAYBILL NUMBER: FedEx 863138884968

LABORATORY NAME AND CONTACT: Compu Chem

ADDRESS: 501 Madison Ave

CITY, STATE: Cary NC

STANDARD TAT ☐
RUSH TAT ☐
☒ 24 hr. ☐ 48 hr. ☐ 72 hr. ☐ 7 day ☐ 14 day

DATE YEAR	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PCBs 4oz (CONTAINER TYPE PLASTIC (P) or GLASS (G): G; PRESERVATIVE USED: 4C)							COMMENTS
7/19/10	1410	13SOCW1165	SOIL	C	1	X							1007091-01
		Temp Blank											

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	7/19/10	1600	1. RECEIVED BY Diane Byrd	07-20-10	0925
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS: Rec'd @ 1.5°C SN0015 DB

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

3/99
FORM NO. TtNUS-001

APPENDIX C

VERIFICATION SAMPLE RESULTS SUMMARY TABLES

Appendix C.1
NSA Crane
SWMU 13 Sample Results
Area 1 - Building 166
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 1[2], Round 1 Samples							
13SOCF001A	Floor	2	11/5/2008	25	9.5	6.9	6.9
13SOCF002A	Floor	2	11/5/2008	25	10	8.4	8.4 J
13SOCF003A	Floor	2	11/5/2008	25	6.8	7.3	7.3 J
13SOCF016B	Floor	4	12/3/2008	25	ND	0.027	0.027
13SOCF026B	Floor	4	12/5/2008	25	ND	ND	ND
13SOCW001A	Wall	0-2	11/5/2008	1	13	24	24 J
13SOCW002A	Wall	0-2	11/5/2008	1	18	NA	NA
13SOCW003A	Wall	0-2	11/5/2008	1	0.90	0.10 J	0.10 J
13SOCW004A	Wall	0-2	11/5/2008	1	1.7	ND	ND
13SOCW005A	Wall	0-2	11/5/2008	1	1.2	ND	ND
13SOCW006A	Wall	0-2	11/5/2008	1	1.7	1.1	1.1 J
13SOCW007A	Wall	0-2	11/5/2008	1	8.1	NA	NA
13SOCW008A	Wall	0-2	11/5/2008	1	5.1	NA	NA
13SOCW009A	Wall	0-2	11/5/2008	1	3.6	14	14 J
13SOCW010A	Wall	0-2	11/5/2008	1	12	NA	NA
13SOCW011A	Wall	0-2	11/5/2008	1	1.4	ND	ND
13SOCW012A	Wall	0-2	11/5/2008	1	0.76	ND	ND
13SOCW013A	Wall	0-2	11/5/2008	1	2.5	NA	NA
Area 1, Round 2 Samples							
13SOCF017A	Floor	2	12/3/2008	25	ND	0.19	0.19 J
13SOCW030A	Wall	0-2	12/3/2008	1	1.2	ND	ND
13SOCW031A	Wall	0-2	12/3/2008	1	7.3	NA	NA
13SOCW032A	Wall	0-2	12/3/2008	1	ND	ND	ND
13SOCW039A	Wall	0-2	12/5/2008	1	ND	ND	ND
13SOCW040A	Wall	0-2	12/5/2008	1	1.5	NA	NA
13SOCW041A	Wall	0-2	12/5/2008	1	0.70	0.90	0.90
13SOCW042A	Wall	0-2	12/5/2008	1	ND	0.012	0.012 J

Appendix C.1
NSA Crane
SWMU 13 Sample Results
Area 1 - Building 166
SWMU 13 Interim Measures Report

Area 1, Round 3 Samples							
13SOCW043A	Wall-hand auger	0-2	12/18/2008	1	NA	0.61	0.61
13SOCW060A	Wall-hand auger	0-2	1/7/2009	1	0.20	0.13	0.13 J
13SOCW073A	Wall	0-2	1/22/2009	1	55	600	420
Area 1 Exploratory Samples							
13SOCW044A	wall-hand auger	0-2	12/18/2008	1	NA	16	18 J
13SOCW045A	wall-hand auger	0-2	12/18/2008	1	NA	1.8	1.8
13SOCW053A	wall-hand auger	0-2	12/30/2008	1	NA	2.1	2.1
13SOCW058A	wall-hand auger	0-2	1/7/2009	1	0.020	NA	NA
13SOCW059A	wall-hand auger	0-2	1/7/2009	1	2.5	NA	NA
13SOCW061A	wall-hand auger	0-2	1/7/2009	1	0.25	0.85	0.80 J
13SOCW062A	wall-hand auger	0-2	1/7/2009	1	0.29	7.1	7.4 J

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not Applicable
ND Non-detect
J Estimated

Appendix C.2
NSA Crane
SWMU 13 Sample Results
Area 1A - Building 166 Additional Excavation
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 1A[2] Round 1 Samples							
13SOCF057C	Floor	2	6/17/2009	25	NA	0.70	0.70
13SOCF058C	Floor	2	6/17/2009	25	NA	6.3	6.1 J
13SOCF059C	Floor	2	6/17/2009	25	NA	0.54	0.54
13SOCF061C	Floor	2	6/23/2009	25	NA	25	26
13SOCF062C	Floor	2	6/23/2009	25	NA	0.28	0.28
13SOCW080A	Wall	0-2	6/17/2009	25	NA	0.93	0.93
13SOCW081A	Wall	0-2	6/17/2009	25	NA	11	11 J
13SOCW082A	Wall	0-2	6/17/2009	25	NA	3.0	3.0
13SOCW083A	Wall	0-2	6/17/2009	25	NA	4.9	4.9 J
13SOCW084A	Wall	0-2	6/17/2009	25	NA	35	32
13SOCW085A	Wall	0-2	6/17/2009	25	NA	11	11 J
13SOCW086A	Wall	0-2	6/17/2009	25	NA	0.49	0.49
13SOCW087A	Wall	0-2	6/18/2009	25	NA	0.28	0.30
13SOCW088A	Wall	0-2	6/18/2009	25	NA	0.23	0.24
13SOCW089A	Wall	0-2	6/18/2009	25	NA	0.30	0.33
13SOCW090A	Wall	0-2	6/18/2009	25	NA	1.4	1.4
13SOCW095A	Wall	0-2	6/23/2009	25	NA	0.45	0.45
13SOCW096A	Wall	0-2	6/23/2009	25	NA	2.4	2.5
13SOCW097A	Wall	0-2	6/23/2009	25	NA	1.8	1.8
13SOCW098A	Wall	0-2	6/23/2009	25	NA	1.1	1.1
13SOCW099A	Wall	0-2	6/23/2009	25	NA	8.8	8.8
13SOCW100A	Wall	0-2	6/23/2009	25	NA	2.2	2.2 J
Area 1A Round 2 Samples							
13SOCF063	Floor	2	7/31/2009	25	NA	0.078	0.078
13SOCW101	Wall	0-2	7/31/2009	25	NA	260	260
13SOCW102	Wall	0-2	7/31/2009	25	NA	ND	ND
13SOCW103	Wall	0-2	7/31/2009	25	NA	0.021	0.021
13SOCW104	Wall	0-2	7/31/2009	25	NA	ND	ND
13SOCW105	Wall	0-2	7/31/2009	25	NA	0.056	0.056

Appendix C.2
NSA Crane
SWMU 13 Sample Results
Area 1A - Building 166 Additional Excavation
SWMU 13 Interim Measures Report

Area 1A Round 3 Samples							
13SOCW111A	Wall-hand auger	0-2	9/9/2009	25	NA	0.065	0.065 J
13SOCW112A	Wall-hand auger	0-2	9/9/2009	25	NA	ND	ND
13SOCW113A	Wall-hand auger	0-2	9/9/2009	25	NA	0.32	0.32
Area 1A Exploratory Samples							
13SOCF056C[3]	Floor	2	6/8/2009	25	NA	7.1	7.1 J
13SOCW076A[3]	Wall	0-2	6/8/2009	25	NA	1.1	1.1
13SOCW077A[3]	Wall	0-2	6/8/2009	25	NA	0.71	0.71
13SOCW078A[3]	Wall	0-2	6/8/2009	25	NA	5.2	5.2
13SOCW079A[3]	Wall	0-2	6/8/2009	25	NA	0.5	0.5
13SOCW106A	Wall	0-2	8/13/2009	25	NA	140	140
13SOCW107A	Wall	0-2	8/13/2009	25	NA	ND	ND
13SOCW108A	Wall	0-2	8/13/2009	25	NA	0.064	0.064
13SOCW109A	Wall	0-2	8/13/2009	25	NA	0.018	0.018 J
13SOCW110A	Wall	0-2	8/13/2009	25	NA	0.20	0.044
13SB1090002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1090204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1100002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1100204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1110002	DPT Soil Boring	0-2	4/8/2009	detection	2.0	NA	NA
13SB1110204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1120002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1120204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1130002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1130204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1140002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1140204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1150002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1150204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1160002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1160204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1170002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA

13SB1170204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1180002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1180204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1190002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1190204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1200002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1200204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1210002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1210204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1220002	DPT Soil Boring	0-2	4/8/2009	detection	2.2	NA	NA
13SB1220204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1230002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1230204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1240002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1240204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1250002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1250204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1260002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1260204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1270002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1270204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1280002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1280204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1290002	DPT Soil Boring	0-2	4/8/2009	detection	2.0	NA	NA
13SB1290204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1300002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1300204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1310002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1310204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1320002	DPT Soil Boring	0-2	4/8/2009	detection	0.54	NA	NA
13SB1320204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1330002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1330204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA

13SB1340002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1340204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1350002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1350204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1360002	DPT Soil Boring	0-2	4/8/2009	detection	4.8	NA	NA
13SB1360204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1370002	DPT Soil Boring	0-2	4/8/2009	detection	0.61	NA	NA
13SB1370204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1380002	DPT Soil Boring	0-2	4/8/2009	detection	0.78	NA	NA
13SB1380204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1390002	DPT Soil Boring	0-2	4/8/2009	detection	0.92	NA	NA
13SB1390204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1400002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1400204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA
13SB1410002	DPT Soil Boring	0-2	4/8/2009	detection	0.93	NA	NA
13SB1410204	DPT Soil Boring	2-4	4/8/2009	detection	ND	NA	NA
13SB1420002	DPT Soil Boring	0-2	4/8/2009	detection	ND	NA	NA
13SB1420204	DPT Soil Boring	2-4	4/8/2009	detection	NA	NA	NA

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
3 Sample not shown on a figure because it was an exploratory sample used to delineate the limits of TSCA soil. Excavation proceeded beyond this sample, and a verification sample was collected on that excavation limit.
ND Non-detect
NA Not Applicable
J Estimated

Appendix C.3
NSA Crane
SWMU 13 Sample Results
Area 1B-Building 166 Trenches
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 1B[2] Exploratory Sample Results							
13SD079	Sediment	0-0.5	1/22/2009	1	1.1	NA	NA
13SD080	Sediment	0-0.5	1/22/2009	1	8.4	NA	NA
13SD081	Sediment	0-0.5	1/22/2009	1	ND	NA	NA

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
ND Non-detect
NA Not Applicable

Appendix C.4
NSA Crane
SWMU 13 Sample Results
Area 2 - Building 171
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 2[2], Round 1 Samples							
13SOCF004A	Floor	2	11/12/2008	25	0.64	4.2	4.2
13SOCF005A	Floor	2	11/12/2008	25	38	1100	1100
13SOCF006A	Floor	2	11/12/2008	25	0.60	1.0	1.0 J
13SOCF007A	Floor	2	11/12/2008	25	7.5	16	16 J
13SOCF008A	Floor	2	11/12/2008	25	0.50	1.2	1.2 J
13SOCF012A	Floor	2	11/20/2008	25	0.64	1.1	1.1
13SOCF018A	Floor	2	12/4/2008	25	ND	0.16	0.16 J
13SOCF019A	Floor	2	12/4/2008	25	ND	2.2	2.2 J
13SOCF020A	Floor	2	12/4/2008	25	1.1	1.5	1.5 J
13SOCF021A[3]	Floor	2	12/4/2008	25	3.7	8.3	180
13SOCF022A	Floor	2	12/4/2008	25	0.20	0.23	0.23
13SOCF023A	Floor	2	12/4/2008	25	26	550	610 J
13SOCF024A	Floor	2	12/4/2008	25	2.6	14	14 J
13SOCF028A	Floor	2	12/22/2008	25	NA	230	230
13SOCF029A	Floor	2	12/23/2008	25	NA	130	210 J
13SOCF030A	Floor	2	12/30/2008	25	NA	9.7	9.7 J
13SOCF064[3]	Floor	2	12/18/2009	25	NA	32	32
13SOF064A	Floor-aliquot	2	1/28/2010	25	NA	0.045	0.045
13SOF064B	Floor-aliquot	2	1/28/2010	25	NA	0.27	0.27
13SOF064C	Floor-aliquot	2	1/28/2010	25	NA	3.5	3.6
13SOF064D	Floor-aliquot	2	1/28/2010	25	NA	90	101
13SOCW014A[4]	Wall	0-2	11/12/2008	1	2.6	17	17 J
13SOCW015A[4]	Wall	0-2	11/12/2008	1	4.7	NA	NA
13SOCW016A[4]	Wall	0-2	11/12/2008	1	1.4	4.2	4.2
13SOCW017A	Wall	0-2	11/12/2008	1	0.46	0.63	0.43 J
13SOCW018A	Wall	0-2	11/12/2008	1	0.24	0.12	0.12 J
13SOCW019A	Wall	0-2	11/12/2008	1	0.32	0.25	0.25 J

13SOCW020A[5]	Wall	0-2	11/12/2008	1	0.6	1.4	1.4
13SOCW021A[5]	Wall	0-2	11/12/2008	1	0.78	2.1	1.4 J
13SOCW024A	Wall	0-2	11/20/2008	1	0.5	1.8	1.5
13SOCW025A	Wall	0-2	11/20/2008	1	ND	0.14	0.11 J
13SOCW026A	Wall	0-2	11/20/2008	1	0.78	0.8	0.77
13SOCW027A	Wall	0-2	11/20/2008	1	0.64	2.2	2.1 J
13SOCW033A	Wall	0-2	12/4/2008	1	ND	0.028	0.028 J
13SOCW034A	Wall	0-2	12/4/2008	1	ND	ND	ND
13SOCW035A	Wall	0-2	12/4/2008	1	9.5	NA	NA
13SOCW036A	Wall	0-2	12/4/2008	1	ND	0.16	0.20 J
13SOCW037A	Wall	0-2	12/4/2008	1	ND	0.022	0.10 J
13SOCW038A	Wall	0-2	12/4/2008	1	3.5	NA	NA
13SOCW052A	Wall	0-2	12/30/2008	1	NA	1.5	1.5 J
Area 2, Round 2 Samples							
13SOCF025B	Floor	3	12/4/2008	25	ND	0.056	0.056
13SOCF027B	Floor	4	12/22/2008	25	NA	6.2	6.2
13SO2CF029A[6]	Floor	2	1/7/2009	25	1.1	5.6	5.3 J
13SO2F029BA[6]	Floor-aliquot	2	1/7/2009	25	0.81	NA	NA
13SO2F029CA[6]	Floor-aliquot	2	1/7/2009	25	5.3	NA	NA
13SOCF031B	Floor	4	1/7/2009	25	0.1	0.37	0.36 J
13SOCW046A	Wall-hand auger	0-2	12/18/2008	1	NA	ND	ND
13SOCW048A	Wall-hand auger	0-2	12/18/2008	1	NA	0.93	0.93 J
13SOCW054A	Wall	0-2	1/7/2009	1	0.18	0.40	0.40
Exploratory Samples							
13SOCW047A[4]	Wall-hand auger	0-2	12/18/2008	1	NA	2.6	2.6
13SOCW049A[4]	Wall-hand auger	0-2	12/18/2008	1	NA	1.4	1.4

Notes

1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
3 13SOCF064A was collected in the same location as 13SOCF021A and used to confirm the results of 13SOCF021A
4 No verification sample was collected after further excavation at this location due to the presence of a

concrete pad or asphalt road. The area was excavated up to these structures but due to their presence, it was not possible to collect a wall sample.

5 Sample collected as part of Area 2 but became part of Area 3. Additional excavation and samples are described as part of Area 3 and results are presented in Area 3 table.

6 Sample 13SO2CF029A is a composite of aliquots B and C from sample 13SOCF029A. These aliquots were renamed 13SO2F029BA and 13SO2F029CA, field tested, and a composite was sent to the lab (13SO2CF029A)

NA Not applicable

ND Non-detect

J Estimated

Appendix C.5
NSA Crane
SWMU 13 Sample Results
Area 2A - Building 171 Additional Excavation
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 2A[2], Round 1 Samples							
13SOCF073	Floor	3	3/18/2010	25	NA	1100	1100
13SOCW119	Wall	2-3	3/18/2010	25	NA	350	350
13SOCW120	Wall	2-3	3/31/2010	25	34	NA	NA
13SOCW121	Wall	2-3	3/31/2010	25	36	NA	NA
Area 2A, Round 2 Samples							
13SOCF091	Floor	5	4/21/2010	25	NA	180	180
13SOCW122	Wall	2-5	4/21/2010	25	NA	230	250
13SOCW123	Wall	0-2	4/21/2010	1	NA	7.2	8.5
13SOCW124	Wall	2-5	4/21/2010	25	NA	42	42
13SOCW125	Wall	2-5	4/21/2010	25	NA	0.74	0.044 J
Area 2A, Round 3 Samples							
13SOCF092	Floor	2	7/9/2010	25	ND	0.20	0.20
13SOCF093	Floor	2	7/9/2010	25	ND	1.2	1.3
13SOCW126	Wall	5-7	7/8/2010	25	ND	0.34	0.41
13SOCW127	Wall	3-7	7/8/2010	25	ND	0.20	0.24
13SOCW128	Wall	3-7	7/8/2010	25	ND	0.035	0.041
13SOCW129	Wall	3-7	7/8/2010	25	2.4	15	15
13SOCW130	Wall	3-7	7/8/2010	25	11	NA	NA
13SOCW131	Wall	2-4	7/8/2010	25	ND	0.015 J	0.017 J
13SOCW132	Wall	0-2	7/8/2010	1	ND	ND	ND
13SOCW133	Wall	2-4	7/8/2010	25	ND	ND	ND
13SOCW134	Wall	0-2	7/8/2010	1	ND	0.011 J	0.012 J
13SOCW135	Wall	2-4	7/8/2010	25	ND	ND	ND
13SOCW136	Wall	2-4	7/8/2010	25	52	NA	NA
13SOCW137	Wall	2-4	7/8/2010	25	ND	0.4	0.4
13SOCW138	Wall	2-4	7/8/2010	25	1.4	1.8	1.8
13SOCW139	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW140	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW141	Wall	0-2	7/9/2010	1	ND	0.026 J	0.026 J

13SOCW142	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW143	Wall	0-2	7/9/2010	1	ND	0.35 J	0.35 J
13SOCW144	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW145	Wall	2-7	7/9/2010	25	ND	0.52	0.52
13SOCW146	Wall	5-7	7/9/2010	25	ND	0.20	0.20
13SOCW147	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW148	Wall	2-7	7/9/2010	25	ND	ND	ND
13SOCW149	Wall	0-2	7/9/2010	1	ND	ND	ND
13SOCW150	Wall	2-7	7/9/2010	25	ND	ND	ND
13SOCW151	Wall	0-2	7/9/2010	1	2.0	0.29	0.29 J
13SOCW152	Wall	0-2	7/9/2010	1	20	0.022	0.028 J
13SOCW153	Wall	0-2	7/9/2010	1	6.5	6.5	6.5
13SOCW157	Wall	2-7	7/9/2010	25	ND	ND	ND
13SOCW158	Wall	2-7	7/9/2010	25	ND	0.11	0.11 J
Area 2A, Round 4 Samples							
13SOCW154	Wall	2-4	7/9/2010	25	3.0	4.4 J	4.4
13SOCW155	Wall	3-7	7/9/2010	25	9.3	38	38
13SOCW156	Wall	3-7	7/9/2010	25	ND	0.011 J	0.011 J
13SOCW159	Wall	5-7	7/9/2010	25	ND	0.0092	0.0092 J
13SOCW160	Wall	2-4	7/9/2010	25	NA	ND	ND
13SOCW161	Wall	2-4	7/9/2010	25	ND	ND	ND
13SOCW162	Wall	0-2	7/10/2010	1	NA	2.0	2.0
13SOCW163	Wall	0-2	7/10/2010	1	NA	0.22	0.22
Area 2A, Round 5 Samples							
13SOCF094	Floor	2	7/14/2010	25	ND	0.15	0.15
13SOCW164	Wall	0-2	7/14/2010	1	ND	ND	0.011 J
13SOCW165	Wall	3-7	7/19/2010	25	NA	2.0	2.0
Area 2A Exploratory Samples							
13SOCF075	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF076	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF077	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF078	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF079	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF080	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF081	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA
13SOCF082	Floor-hand auger	2-3	3/31/2010	25	ND	NA	NA

13SOCF083	Floor-hand auger	2-3	3/31/2010	25	0.96	NA	NA
13SOCF084	Floor-hand auger	2-3	3/31/2010	25	0.63	NA	NA
13SOCF085	Floor-hand auger	2-3	3/31/2010	25	0.55	NA	NA
13SOCF086	Floor-hand auger	2-3	3/31/2010	25	1.0	NA	NA
13SOCF087	Floor-hand auger	2-3	3/31/2010	25	6.5	NA	NA
13SOCF088	Floor-hand auger	2-3	3/31/2010	25	0.77	NA	NA
13SOCF089	Floor-hand auger	2-3	3/31/2010	25	0.86	NA	NA
13SOCF090	Floor-hand auger	2-3	3/31/2010	25	1.6	NA	NA
13SB1430002	Soil boring-DPT	0-2	5/7/2010	1	NA	2000	2000
13SB1430203	Soil boring-DPT	2-3	5/7/2010	25	NA	29	29
13SB1440002	Soil boring-DPT	0-2	5/7/2010	1	NA	1.2	1.2
13SB1440203	Soil boring-DPT	2-3	5/7/2010	25	NA	81	81
13SB1450002	Soil boring-DPT	0-2	5/7/2010	1	NA	30	30
13SB1450204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.17	0.17
13SB1450405	Soil boring-DPT	4-5	5/7/2010	25	NA	0.87	0.87 J
13SB1460002	Soil boring-DPT	0-2	5/7/2010	1	NA	8.5	8.5
13SB1460204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.027	0.027 J
13SB1470002	Soil boring-DPT	0-2	5/7/2010	1	NA	3.4	3.4
13SB1470204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.049	0.049
13SB1480002	Soil boring-DPT	0-2	5/7/2010	1	NA	0.48	0.48
13SB1480204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1490002	Soil boring-DPT	0-2	5/7/2010	1	NA	4.1	4.1
13SB1490204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.062	0.062
13SB1500002	Soil boring-DPT	0-2	5/7/2010	1	NA	4.0	4.0
13SB1500204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.062	0.062
13SB1500406	Soil boring-DPT	4-6	5/7/2010	25	NA	ND	ND
13SB1510002	Soil boring-DPT	0-2	5/7/2010	1	NA	30	30
13SB1510204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.027	0.027 J
13SB1520002	Soil boring-DPT	0-2	5/7/2010	1	NA	0.016	0.016 J
13SB1520204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1520405	Soil boring-DPT	4-5	5/7/2010	25	NA	ND	ND
13SB1530002	Soil boring-DPT	0-2	5/7/2010	1	NA	ND	ND
13SB1530204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1530406	Soil boring-DPT	4-6	5/7/2010	25	NA	0.015	0.015 J
13SB1540002	Soil boring-DPT	0-2	5/7/2010	1	NA	3.0	3.0
13SB1540204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.087	0.087
13SB1540405	Soil boring-DPT	4-5	5/7/2010	25	NA	ND	ND
13SB1550002	Soil boring-DPT	0-2	5/7/2010	1	NA	0.11	0.11
13SB1550204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.014	0.014 J

13SB1560002	Soil boring-DPT	0-2	5/7/2010	1	NA	0.62	0.62 J
13SB1560204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1560406	Soil boring-DPT	4-6	5/7/2010	25	NA	ND	ND
13SB1570204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1570405	Soil boring-DPT	4-5	5/7/2010	25	NA	ND	ND
13SB1580204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1590406	Soil boring-hand auger	4-6	5/7/2010	25	NA	820	820
13SB1600406	Soil boring-hand auger	4-6	5/7/2010	25	NA	0.032	0.032
13SB1610406	Soil boring-hand auger	4-6	5/7/2010	25	NA	ND	ND
13SB1620406	Soil boring-hand auger	4-6	5/7/2010	25	NA	880	880
13SB1630406	Soil boring-hand auger	4-6	5/7/2010	25	NA	8.8	8.8
13SB1640204	Soil boring-DPT	2-4	5/7/2010	25	NA	ND	ND
13SB1640406	Soil boring-DPT	4-6	5/7/2010	25	NA	0.15	0.15
13SB1650204	Soil boring-DPT	2-4	5/7/2010	25	NA	0.014	0.014 J
13SB1650405	Soil boring-DPT	4-5	5/7/2010	25	NA	0.070	0.070
13SB1660002	Soil boring-DPT	0-2	6/3/2010	1	NA	0.32	0.32
13SB1660407	Soil boring-DPT	4-7	6/3/2010	25	NA	ND	ND
13SB1670002	Soil boring-DPT	0-2	6/3/2010	1	NA	0.29	0.29 J
13SB1670304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1680002	Soil boring-DPT	0-2	6/3/2010	1	NA	0.047	0.047
13SB1680304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1690002	Soil boring-DPT	0-2	6/3/2010	1	NA	5.4	5.4
13SB1700002	Soil boring-DPT	0-2	6/3/2010	1	NA	6.4	6.4 J
13SB17000203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND
13SB1710002	Soil boring-DPT	0-2	6/3/2010	1	NA	0.27	0.27 J
13SB1710304	Soil boring-DPT	3-4	6/3/2010	25	NA	0.072	0.072
13SB1720002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1720507	Soil boring-DPT	5-7	6/3/2010	25	NA	ND	ND
13SB1730002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1740002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1740304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1750002	Soil boring-DPT	0-2	6/3/2010	1	NA	0.074	0.074
13SB1750304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1760203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND
13SB1770203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND
13SB1780102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1790203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND
13SB1800204	Soil boring-DPT	2-4	6/3/2010	25	NA	ND	ND
13SB1810203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND

13SB1820203	Soil boring-DPT	2-3	6/3/2010	25	NA	ND	ND
13SB1830206	Soil boring-DPT	2-6	6/3/2010	25	NA	ND	ND
13SB1840206	Soil boring-DPT	2-6	6/3/2010	25	NA	ND	ND
13SB1850002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1850507	Soil boring-DPT	5-7	6/3/2010	25	NA	ND	0.018 J
13SB1860002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1860405	Soil boring-DPT	4-5	6/3/2010	25	NA	ND	ND
13SB1870002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1870405	Soil boring-DPT	4-5	6/3/2010	25	NA	ND	ND
13SB1880002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1880607	Soil boring-DPT	6-7	6/3/2010	25	NA	ND	ND
13SB1890001	Soil boring-DPT	0-1	6/3/2010	1	NA	ND	ND
13SB1900102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1900506	Soil boring-DPT	5-6	6/3/2010	25	NA	ND	ND
13SB1910102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1910304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1920002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1920405	Soil boring-DPT	4-5	6/3/2010	25	NA	ND	ND
13SB1930102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1930304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1940002	Soil boring-DPT	0-2	6/3/2010	1	NA	ND	ND
13SB1940405	Soil boring-DPT	4-5	6/3/2010	25	NA	ND	ND
13SB1950102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1950405	Soil boring-DPT	4-5	6/3/2010	25	NA	ND	ND
13SB1960102	Soil boring-DPT	1-2	6/3/2010	1	NA	ND	ND
13SB1960304	Soil boring-DPT	3-4	6/3/2010	25	NA	ND	ND
13SB1970002	Soil boring-hand auger	0-2	6/22/2010	1	NA	2.1	2.1
13SB1980002	Soil boring-hand auger	0-2	6/22/2010	1	NA	ND	ND
13SB1990002	Soil boring-hand auger	0-2	6/22/2010	1	NA	0.035	0.04
13SB2000002	Soil boring-hand auger	0-2	6/22/2010	1	NA	0.061	0.072
13SB2010002	Soil boring-hand auger	0-2	6/22/2010	1	NA	0.061	0.072

Notes

1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not applicable
ND Non-detect
J Estimated

Appendix C.6
NSA Crane
SWMU 13 Sample Results
Area 2B - Building 171 Trenches and Sump
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 2B[2], Round 1 Samples							
13WP001	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP002	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP003	Wipe	surface	12/3/2008	1	NA	NA	0.050 J
13WP004	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP005	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP006	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP007	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP008	Wipe	surface	12/3/2008	1	NA	NA	ND
13WP009	Wipe	surface	12/3/2008	1	NA	NA	ND
Area 2B Exploratory Sample Results							
13SD077	sump	0-1	11/20/2008	1	NA	3.4	5.5
13SD078	sump	0-1	11/20/2008	1	NA	9.8	13

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not Applicable
ND Non-detect
J Estimated

Appendix C.7
NSA Crane
SWMU 13 Sample Results
Area 3-Building 171 East Drainage Channel
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 3[2], Round 1							
13SOCD001A[3]	Floor	2	11/12/2008	1	1.1	3.1	3.8 J
13SOCF009A	Floor	2	11/20/2008	1	1.3	3.4	3.6
13SOCF010A	Floor	2	11/20/2008	1	15	NA	NA
13SOF010BA	Floor-aliquot	2	11/20/2008	1	NA	3.8	3.9 J
13SOF010CA	Floor-aliquot	2	11/20/2008	1	NA	32	25 J
13SOCF011A	Floor	2	11/20/2008	1	0.54	1.5	1.4
13SOCF032B[4]	Floor	2	1/7/2009	1	0.060	0.14	0.14
13SOCF033B[4]	Floor	2	1/7/2009	1	1.5	NA	NA
13SOCF034B[4]	Floor	2	1/7/2009	1	0.20	0.16	0.16
13SOCW022A	Wall	2	11/20/2008	1	2.6	NA	NA
13SOW022AA	Wall-aliquot	2	11/20/2008	1	NA	3.3	3.3
13SOW022BA	Wall-aliquot	2	11/20/2008	1	NA	0.47	0.43
13SOW022CA	Wall-aliquot	2	11/20/2008	1	NA	1.0	0.97
13SOW022DA	Wall-aliquot	2	11/20/2008	1	NA	1.5	1.6
13SOCW023A	Wall	2	11/20/2008	1	0.38	2.6	1.8 J
13SOCW055B[4]	Wall	2	1/7/2009	1	0.27	0.25	0.30 J
13SOCW056B[4]	Wall	2	1/7/2009	1	0.67	NA	NA
13WP010	Wipe	surface	2/5/2009	1	NA	NA	0.012
13WP011	Wipe	surface	2/5/2009	1	NA	NA	0.0042
Area 3, Round 2							
13SOCF035B	Floor	3	1/7/2009	1	NA	0.049	0.057 J
13SOF035AB	Floor-aliquot	3	1/7/2009	1	ND	NA	NA
13SOF035BB	Floor-aliquot	3	1/7/2009	1	ND	NA	NA
13SOF035CB	Floor-aliquot	3	1/7/2009	1	ND	NA	NA
13SOF035DB	Floor-aliquot	3	1/7/2009	1	ND	NA	NA
13SOCF036B	Floor	3	1/7/2009	1	0.23	1.1	1.1 J
13SOF036AB	Floor-aliquot	3	1/7/2009	1	0.39	NA	NA

13SOF036BB	Floor-aliquot	3	1/7/2009	1	0.28	NA	NA
13SOF036CB	Floor-aliquot	3	1/7/2009	1	ND	NA	NA
13SOF036DB	Floor-aliquot	3	1/7/2009	1	0.060	NA	NA
13SOCF037B[5]	Floor	3	1/7/2009	1	0.10	0.20	0.25
13SOF037AB	Floor-aliquot	3	1/7/2009	1	0.32	NA	NA
13SOF037BB	Floor-aliquot	3	1/7/2009	1	0.31	NA	NA
13SOF037CB	Floor-aliquot	3	1/7/2009	1	1.1	NA	NA
13SOF037DB	Floor-aliquot	3	1/7/2009	1	0.46	NA	NA
13SOCF052C	Floor	3.5	1/22/2009	1	ND	0.19	0.14
13SOCW050B	Wall	3	12/30/2008	1	NA	1.8	1.8 J
13SOCW051B	Wall	3	12/30/2008	1	NA	0.50	0.50
13SOCW072C	Wall	3.5	1/22/2009	1	ND	0.19	0.057 J
Area 3, Round 3							
13SOF050C	Floor-aliquot	4.5	1/22/2009	1	ND	0.087	0.062
13SO2CF051C[6]	Floor	3.5	1/22/2009	1	NA	0.23	0.23 J
13SOCF051C	Floor	3.5	1/22/2009	1	0.96	5.5	3.1 J
13SOF051AC	Floor-aliquot	3.5	1/22/2009	1	ND	NA	NA
13SOF051BC[7]	Floor-aliquot	3.5	1/22/2009	1	ND	NA	NA
13SOF051CC	Floor-aliquot	3.5	1/22/2009	1	ND	NA	NA
13SOF051DC[7]	Floor-aliquot	3.5	1/22/2009	1	6.1	NA	NA
13SOCW057C[8]	Wall	4	1/7/2009	1	1.8	ND	ND
13SOW057AC	Wall-aliquot	4	1/7/2009	1	ND	NA	NA
13SOW057BC	Wall-aliquot	4	1/7/2009	1	0.13	NA	NA
13SOW057CC	Wall-aliquot	4	1/7/2009	1	0.040	NA	NA
13SOW057DC	Wall-aliquot	4	1/7/2009	1	1.2	NA	NA
Area 3, Round 4							
13SOF055BD[7]	Floor-aliquot	5.5	2/5/2009	1	NA	0.086	0.099
13SOCF060C[7]	Floor	5.5	6/23/2009	1	NA	0.07	0.07
13SOCW071C[9]	Wall	5.5	1/22/2009	1	NA	8.3	8.5 J
13SOW071AC	Wall-aliquot	5.5	1/22/2009	1	0.65	NA	NA
13SOCW091A	Wall	5.5	6/23/2009	1	NA	ND	ND
13SOCW092A	Wall	5.5	6/23/2009	1	NA	0.045	0.045
13SOCW093A	Wall	5.5	6/23/2009	1	NA	0.98	0.98

13SOCW094A	Wall	5.5	6/23/2009	1	NA	0.10	0.10
Area 3, Round 5							
13SOW075AD	Wall-aliquot	7.5	2/5/2009	1	NA	ND	ND

Notes

1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
3 13SOCD001A collected incorrectly. This area was sampled again on 11/20/2008.
4 After the initial area 2 excavation was completed, this area became Area 3 due to the presence of a culvert. The excavation was expanded and these samples were collected in the new excavation. Area 2 sample 13SOCF008A was collected here prior to discovering it was a drainage channel.
5 13SOCF037B is made up of aliquots A, B, and D.
6 13SO2CF051C is made up of aliquots A, B, and C from 13SOCF051C
7 Aliquot 13SOF051BC was mistakenly excavated instead of aliquot 13SOF051DC. 13SOF055BD was collected at the overexcavation of 13SOF051BC. 13SOF051DC was later excavated and sample 13SOCF060C was collected there.
8 Composite sample 13SOCW057C is made up of aliquots A, B, and C. Aliquot D was not included in composite sample.
9 13SOCW071C is made up of aliquots A, B, and C from sample 13SOCW057C and aliquot A of 13SOCW071C
NA Not applicable
ND Non-detect
J Estimated

Appendix C.8
NSA Crane
SWMU 13 Sample Results
Area 4 - Building 171 West Drainage Channel
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 4[2], Round 1							
13SOCF038A	Floor	2	1/15/2009	1	14	NA	NA
13SOCF039A	Floor	2	1/15/2009	1	1.1	0.36	0.36 J
13SOF039AA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOF039BA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOF039CA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOF039DA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOCF040A[3]	Floor	2	1/15/2009	1	2.6	0.74E	0.66 J
13SOF040AA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOF040BA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOF040CA	Floor-aliquot	2	1/15/2009	1	3.2	NA	NA
13SOF040DA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOCF041A	Floor	2	1/15/2009	1	1.8	1.4	1.4
13SOF041AA	Floor-aliquot	2	1/15/2009	1	9.5	NA	NA
13SOF041BA	Floor-aliquot	2	1/15/2009	1	0.65	NA	NA
13SOF041CA	Floor-aliquot	2	1/15/2009	1	0.71	NA	NA
13SOF041DA	Floor-aliquot	2	1/15/2009	1	ND	NA	NA
13SOCF042A	Floor	2	1/15/2009	1	0.59	0.18	0.18 J
13SOCF043A	Floor	2	1/15/2009	1	ND	ND	ND
13SOCF044A	Floor	2	1/15/2009	1	ND	ND	0.011 J
13SOCF045A	Floor	2	1/15/2009	1	0.73	0.033	0.033 J
13SOCF046A	Floor	2	1/15/2009	1	ND	ND	ND
13SOCF047A	Floor	2	1/15/2009	1	0.75	0.036	0.036 J
13SOCF048A	Floor	2	1/15/2009	1	0.47	ND	ND
13SOCF049A	Floor	2	1/15/2009	1	0.69	ND	ND
13SOCW063A[4]	Wall	2	1/15/2009	1	3.8	0.51	0.51 J
13SOW063AA	Wall-aliquot	2	1/15/2009	1	ND	NA	NA
13SOW063BA	Wall-aliquot	2	1/15/2009	1	ND	NA	NA

Appendix C.8
NSA Crane
SWMU 13 Sample Results
Area 4 - Building 171 West Drainage Channel
SWMU 13 Interim Measures Report

13SOW063CA	Wall-aliquot	2	1/15/2009	1	ND	NA	NA
13SOW063DA	Wall-aliquot	2	1/15/2009	1	20	NA	NA
13SOCW064A	Wall	2	1/15/2009	1	0.95	NA	NA
13SOCW065A	Wall	2	1/15/2009	1	ND	0.27	0.27 J
13SOCW066A	Wall	2	1/15/2009	1	ND	0.062	0.062
13SOCW067A	Wall	2	1/15/2009	1	ND	ND	0.015 J
13SOCW068A	Wall	2	1/15/2009	1	0.69	0.073	0.073
13SOCW069A	Wall	2	1/15/2009	1	0.66	0.077	0.077 J
13SOCW070A	Wall	2	1/15/2009	1	ND	ND	ND
13WP012A	Wipe	surface	2/5/2009	1	NA	NA	0.0039
13WP013A	Wipe	surface	2/5/2009	1	NA	NA	0.0023
Area 4, Round 2							
13SOCF053B	Floor	3	1/22/2009	1	ND	0.27	0.28 J
13SOCF054B	Floor	3	1/22/2009	1	ND	0.20	0.20
13SOCW074B	Wall	3	1/22/2009	1	ND	0.31	0.31 J

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
3 Composite sample 13SOCF040A made up of aliquots A, B, and D. Aliquot C was excavated and not included in composite.
4 Composite sample 13SOCW063A made up of aliquots A, B, and C. Aliquot D was excavated and not included in composite.
NA Not applicable
ND Non-detect
J Estimated

Appendix C.9
NSA Crane
SWMU 13 Sample Results
Area 5 - Building 169 Drainage Channel
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 5[2], Round 1							
13SOCF013A	Floor	2	11/20/2008	1	ND	ND	0.013 J
13SOCF014A	Floor	2	11/20/2008	1	ND	0.05	0.048 J
13SOCF015A	Floor	2	11/20/2008	1	0.58	0.58	0.49 J
13SOCW028A	Wall	2	11/20/2008	1	ND	0.079	0.048 J
13SOCW029A	Wall	2	11/20/2008	1	ND	0.076	0.067 J

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not applicable
ND Non-detect
J Estimated

Appendix C.10
NSA Crane
SWMU 13 Sample Results
Area 5A - Building 169 Sump and Culvert
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Area 5A[2], Round 1							
13SOCF071	Floor	2	3/18/2010	25	NA	0.53	0.56
13SOCF072	Floor	2	3/18/2010	25	NA	0.018 J	0.018 J
13SOCW114	Wall	0-2	3/18/2010	1	NA	0.56	0.56
13SOCW115	Wall	0-2	3/18/2010	1	NA	0.052	0.052
13SOCW116	Wall	0-2	3/18/2010	1	NA	0.090	0.090
13SOCW117	Wall	0-2	3/18/2010	1	NA	ND	ND
13SOCW118	Wall	0-2	3/18/2010	1	NA	ND	ND
13WP014A	Wipe	surface	2/5/2009	1	NA	NA	ND
13WP015A	Wipe	surface	2/5/2009	1	NA	NA	ND
Area 5A Exploratory Samples							
13SD082	Sump	0-1	8/13/2009	1	NA	140	140

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not applicable
ND Non-detect
J Estimated

Appendix C.11
NSA Crane
SWMU 13 Sample Results
Support Areas
SWMU 13 Interim Measures Report

Sample Number	Sample Type	Depth (feet bgs)	Date	PRG (ppm)	Test Kit Results (Total PCBs in ppm)[1]	Preliminary Lab Results (Total PCBs in ppm)[1]	Validated Lab Result (Total PCBs in ppm)[1]
Support Area Samples[2]							
13SOCF065	Floor	0.5	12/18/2009	1	NA	2.7	2.7
13SOF065A	Floor-aliquot	0.5	1/28/2010	1	NA	1.4	1.7
13SOF065B	Floor-aliquot	0.5	1/28/2010	1	NA	5.5	7.0
13SOF065C	Floor-aliquot	0.5	1/28/2010	1	NA	0.92	1.2
13SOF065D	Floor-aliquot	0.5	1/28/2010	1	NA	4.1	4.7 J
13SOCF066	Floor	0.5	12/18/2009	1	NA	0.75	0.75
13SOCF067	Floor	0.5	12/18/2009	1	NA	0.048	0.048
13SOCF068	Floor	0.5	12/18/2009	1	NA	0.067	0.067
13SOCF069	Floor	0.5	12/18/2009	1	NA	0.33	0.33
13SOCF070	Floor	0.5	12/18/2009	1	NA	0.069	0.069
Support Area Samples							
13SOCF074	Floor	2	3/18/2010	1	NA	0.44	0.44

Notes
1 Shaded results indicate additional excavation was required based on either test kit or preliminary lab results
2 See Figure 3-1 for the locations of the ten excavation areas and support areas
NA Not applicable
J Estimated

APPENDIX D

TETRA TECH'S SAMPLE LOGSHEETS

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF001A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1700	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 9.5 ppm			
Lab Analysis 6.9 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF002A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1706	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	10	ppm			
Lab Analysis	8.4 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF003A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1712	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	6.8	ppm			
Lab Analysis	7.3 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	FD11050801 Duplicate Lab result= 16 J ppm

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW001A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1705	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	13	ppm			
Lab Analysis	24 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW002A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1715	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 18 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Not sent to lab because test kit result exceeded clean-up goal
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW003A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1720	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.90	ppm			
Lab Analysis	0.10 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW004A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1724	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	1.7	ppm			
Lab Analysis	ND	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW005A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1730	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.2 ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW006A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1736	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.7 ppm			
Lab Analysis 1.1 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW007A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1738	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 8.1 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Not sent to the lab because test kit result exceeded clean-up goal
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW008A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1739	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 5.1 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Not sent to the lab because test kit result exceeded clean-up goal
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW009A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1740	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 3.6 ppm			
Lab Analysis 14 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW010A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1742	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 12 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Not sent to lab because test kit result exceeded clean-up goal
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW011A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1744	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	1.4	ppm			
Lab Analysis	ND	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW012A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: 4131

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1748	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.76	ppm			
Lab Analysis	ND	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW013A
Sample Location: Area 1
Sampled By: J. Floyd/B.Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/5/2008	1750	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 2.5 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 166 Initial Excavation
Not sent to the lab because test kit result exceeded clean-up goal
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCD001A
Sample Location: Area 3
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4134

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1755	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	1.1	ppm			
Lab Analysis	3.8 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Drainage Channel Excavation
**This was collected incorrectly, thus the results were not used to make any decisions. Another drainage channel sample was collected correctly during the next sampling event.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	FD11120801 Lab results: 3.6 J ppm

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF004A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1648	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.64 ppm			
Lab Analysis 4.2 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF005A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1652	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	38	ppm			
Lab Analysis	1100	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF006A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1655	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.60	ppm			
Lab Analysis	1.0 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF007A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1700	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 7.5 ppm			
Lab Analysis 16 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF008A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1710	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.5 ppm			
Lab Analysis 1.2 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW014A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1718	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 2.6 ppm			
Lab Analysis 17 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW015A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1723	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 4.7 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW016A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1727	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	1.4	ppm			
Lab Analysis	4.2	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW017A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1730	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.46	ppm			
Lab Analysis	0.43 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW018A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1735	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.24 ppm			
Lab Analysis 0.12 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW019A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1740	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.32 ppm			
Lab Analysis 0.25 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
No further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW020A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	1745	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.6	ppm			
Lab Analysis	1.4	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW021A
Sample Location: Area 2
Sampled By: J. Floyd/B.Collins
C.O.C. No.: 4133

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/12/2008	17:50	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.78 ppm			
Lab Analysis 1.4 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 Initial Excavation
Further excavation necessary
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD077
Sample Location: Area 2B
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	**Bottom of pre-settling basin**	**dark brown/ black**	**sediment/sludge**
Time:	1730			
Method:	Core			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846- 8330	(2) 4 oz glass jars	YES	
Result				
Lab Analysis	5.5 ppm			

OBSERVATIONS / NOTES:

Collected in the pre-settling basin behind Bldg 171
Collected from the inlet side
Collected for informational/exploratory purposes

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD078
Sample Location: Area 2B
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	Bottom of settling basin	dark brown/ black	sediment/sludge
Time:	1730			
Method:	Core			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8330	(2) 4 oz glass jars	YES	
Result				
Lab Analysis	13 ppm			

OBSERVATIONS / NOTES:

Collected in the settling basin behind Bldg 171
Collected from the inlet side
Collected for informational/exploratory purposes

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF009A
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1100	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.3 ppm			
Lab Analysis 3.6 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	Field duplicate 11200802 Lab result= 3.5 ppm

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF010A
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1130	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 14.8 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required-two grab samples that make up this composite were analyzed separately and sent to the lab (on separate sample log sheets)
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF010BA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1130			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	3.9 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
This is one grab from sample 13SOCF010A. The whole sample needs to be excavated.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF010CA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1130			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	25 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
This is one grab from sample 13SOCF010A. The whole sample needs to be excavated.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF011A
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1125	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.54 ppm			
Lab Analysis 1.4 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF012A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1140	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.64 ppm			
Lab Analysis 1.1 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
No further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF013A
Sample Location: Area 5
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1400	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	ND	ppm			
Lab Analysis	0.013 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
No further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	Field Duplicate= FD11200801 Lab Result=0.086 J ppm

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF014A
Sample Location: Area 5
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1410	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	ND	ppm			
Lab Analysis	0.048 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
No further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF015A
Sample Location: Area 5
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1420	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.58	ppm			
Lab Analysis	0.49 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
No further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW022A
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1120	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 2.6 ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
Further excavation required at grab samples A and D. Each aliquot was sent to the lab separately.
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW022AA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1120			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	3.3 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
This is one grab from sample 13SOCW022A. Grab samples A and D need to be excavated.
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW022BA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1120			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.43 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
No further excavation required at this grab sample location.
This is one grab from sample 13SOCW022A. Grab samples A and D need to be excavated.
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW022CA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1120			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.97 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
No further excavation required at this grab sample location.
This is one grab from sample 13SOCW022A. Grab samples A and D need to be excavated.
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW022DA
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4136

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	11/20/2008	0-6 inches		
Time:	1120			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.6 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required at this grab sample location.
This is one grab from sample 13SOCW022A. Grab samples A and D need to be excavated.
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW023A
Sample Location: Area 3
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1135	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.38	ppm			
Lab Analysis	1.7 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Initial excavation
Further excavation required
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW024A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1145	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.5	ppm			
Lab Analysis	1.5	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial excavation
Further excavation required
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW025A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1150	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	ND	ppm			
Lab Analysis	0.11 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial excavation
No further excavation required
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW026A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1155	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.78	ppm			
Lab Analysis	0.77	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial excavation
No further excavation required
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW027A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1200	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.64 ppm			
Lab Analysis 2.1 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial excavation
Further excavation required
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW028A
Sample Location: Area 5
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1430	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	ND	ppm			
Lab Analysis	0.048 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
No further excavation required
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW029A
Sample Location: Area 5
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4135

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
11/20/2008	1440	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	ND	ppm			
Lab Analysis	0.067 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 169 Drainage Channel Initial excavation
No further excavation required
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF016B
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/3/2008	1540	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.027 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Initial excavation in the 2-4 foot deep excavation
No further excavation required
Floor sampled was 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF017A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/3/2008	1532	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.19 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 because more floor was uncovered
No further excavation required
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW030A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/3/2008	1500	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.2 ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation
No further excavation required at this location
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW031A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/3/2008	1510	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 7.34 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation
Further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW032A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins
C.O.C. No.: 4138

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/3/2008	1512	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF018A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4138

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1400	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.16 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation

No further excavation required.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF019A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4138

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1403	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
Field Analysis using PCB Test Kits		None	YES	
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Field Analysis	ND ppm			
Lab Analysis	2.2 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation

No further excavation required.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF020A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1405	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.1 ppm			
Lab Analysis 1.5 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation

No further excavation required.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF021A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1410	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	3.7	ppm			
Lab Analysis	180	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Further excavation required at this location
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF022A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1418	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.20 ppm			
Lab Analysis 0.23 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation required at this location
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF023A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4142

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1415	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 26 ppm			
Lab Analysis 610 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Further excavation required at this location
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF024A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1424	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	2.6	ppm			
Lab Analysis	14 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation required at this location
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF025B
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1432	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.056 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 Excavation
No further excavation required at this location
Floor sampled was 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW033A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1438	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.028 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW034A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4140

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1440	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW035A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1444	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 9.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Not sent to lab because test kit result exceeded clean-up goal.
Further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW036A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4140

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1450	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	ND	ppm
Lab Analysis	0.20 J	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW037A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4138

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1456	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.10 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW038A
Sample Location: Area 2
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/4/2008	1500	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 3.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Not sent to the lab because test kit results exceeded the clean-up goal.
Further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF026B
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/5/2008	1130	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Initial excavation
No further excavation required
Floor sampled was 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	Field duplicate=12050801 Lab results= ND

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW039A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/5/2008	1120	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation

No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW040A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/5/2008	1123	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 1.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation
Not sent to the lab because test kit result exceeded clean-up goal
Further excavation required.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW041A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/5/2008	1125	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.70	ppm			
Lab Analysis	0.90	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation

No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW042A
Sample Location: Area 1
Sampled By: J. Floyd/B. Collins/J. Goerdt
C.O.C. No.: 4139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/5/2008	1128	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.012 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Round 2 Excavation

No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW043A
Sample Location: Area 1
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1230	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.61 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as a round 3 hand auger sample.
Need to excavate out to this sample.
Depth was from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW044A
Sample Location: Area 1
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1255	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	18 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory sample (beyond CW031A).
This hand auger sample was dirty, so a clean line behind
this sample must be delineated.
Collected from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW045A
Sample Location: Area 1
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1315	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.8 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory sample (beyond CW040A).
This hand auger sample was dirty, so a clean line behind
this sample must be delineated.
Collected from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW046A
Sample Location: Area 2
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1350	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 (beyond CW024A).
This hand auger sample was clean, so need to excavate out to here.
Collected from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW047A
Sample Location: Area 2
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1400	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	2.6 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 (beyond CW027A).
This hand auger sample was dirty, so need to find a clean line behind this sample.
Collected from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW048A
Sample Location: Area 2
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1425	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.93 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 (beyond CW035A).
This hand auger sample was clean, so need to excavate out to here.
Collected from 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW049A
Sample Location: Area 2
Sampled By: P. Smith/J. Goerdt
C.O.C. No.: 4146

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2008	1425	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.4 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 (beyond CW038A).
This hand auger sample was dirty, so need to find a clean line.
Collected at 0-2 ft bgs (hand auger)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF027B
Sample Location: Area 2
Sampled By: J. Floyd
C.O.C. No.: 4147

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/22/2008	1700	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	6.2 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 after excavation of two more feet.
No further excavation required.
Excavation was at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF028A
Sample Location: Area 2
Sampled By: J. Floyd
C.O.C. No.: 4147

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/22/2008	1715	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	230 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Further excavation necessary.
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF029A
Sample Location: Area 2
Sampled By: J. Floyd
C.O.C. No.: 4147

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/23/2008	1200	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	210 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Further excavation necessary.
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF030A
Sample Location: Area 2
Sampled By: J. Floyd
C.O.C. No.: 4150

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/30/200	1245	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	9.7 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
No further excavation required.
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW050B
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4150

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/30/2008	1140	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.8 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel round 2 excavation
Further excavation necessary.
Excavation at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW051B
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4150

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/30/200	1200	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.50 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East Drainage Channel Round 2 Excavation
No further excavation necessary.
Excavation at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW052A
Sample Location: Area 2
Sampled By: J. Floyd
C.O.C. No.: 4150

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/30/200	1230	0-6 inches		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.5 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Initial Excavation
Collected from a wall that was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW053A
Sample Location: Area 1
Sampled By: J. Floyd
C.O.C. No.: 4150

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/30/200	1400	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	2.1 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory sample after sample CW045A
Clean line still needs to be delineated.
Collected from 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SO2F029BA
Sample Location: Area 2
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1530			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.81 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 excavation that was 2 ft bgs
This is aliquot B from Round 1 sample 13SOCF029A
No further excavation required at this aliquot
Aliquots B and C from round 1 sample 13SOCF029A were sent to the lab
as round 2 sample 13SO2CF029A.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SO2F029CA
Sample Location: Area 2
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1530			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 5.3 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 excavation that was 2 ft bgs
This is aliquot C from Round 1 sample 13SOCF029A
No further excavation required at this aliquot
Aliquots B and C from round 1 sample 13SOCF029A were sent to the lab
as round 2 sample 13SO2CF029A.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SO2CF029A
Sample Location: Area 2
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1530	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 1.1 ppm			
Lab Analysis 5.3 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2
This is a composite of aliquots B and C from Round 1 sample 13SOCF029A
No further excavation required at these aliquots
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF031B
Sample Location: Area 2
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1550	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.1 ppm			
Lab Analysis 0.36 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2 at the surface of the 4 bgs excavation.
This sample also included part of former sample 13SOCF029A that was excavated down to 4 feet bgs (removed aliquots A and D of 029A).
No further excavation required.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF032B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1455	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.060	ppm			
Lab Analysis	0.14	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF033B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1500	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 1.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Test kit exceeded clean-up goal, so sample not sent to the lab.
Further excavation necessary
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF034B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1410	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.2	ppm			
Lab Analysis	0.16	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary
Excavation was at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF035B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1400	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis NA ppm			
Lab Analysis 0.057 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary
Excavation was at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF035AB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1400			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
An error occurred with the field test kit for 13SOCF035B , so each aliquot was run separately.
All four aliquots were included in the composite, which was sent to the lab.
No further excavation was necessary.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF035BB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1400			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
An error occurred with the field test kit for 13SOCF035B , so each aliquot was run separately.
All four aliquots were included in the composite, which was sent to the lab.
No further excavation was necessary.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF035CB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1400			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
An error occurred with the field test kit for 13SOCF035B , so each aliquot was run separately.
All four aliquots were included in the composite, which was sent to the lab.
No further excavation was necessary.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF035DB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1400			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
An error occurred with the field test kit for 13SOCF035B , so each aliquot was run separately.
All four aliquots were included in the composite, which was sent to the lab.
No further excavation was necessary.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF036B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1405	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.23	ppm			
Lab Analysis	1.1 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Further excavation necessary
Excavation was at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF036AB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1405			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
metal trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.39 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Each aliquot was test separately to determine if there were any dirty aliquots.
This aliquot tested below the clean-up goal, but when all 4 aliquots were composited, the result exceeded the clean-up goal.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF036BB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1405			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.28 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Each aliquot was test separately to determine if there were any dirty aliquots.
This aliquot tested below the clean-up goal, but when all 4 aliquots were composited, the result exceeded the clean-up goal.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF036CB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1405			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Each aliquot was test separately to determine if there were any dirty aliquots.
This aliquot tested below the clean-up goal, but when all 4 aliquots were composited, the result exceeded the clean-up goal.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF036DB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1405			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.06 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Each aliquot was test separately to determine if there were any dirty aliquots.
This aliquot tested below the clean-up goal, but when all 4 aliquots were composited, the result exceeded the clean-up goal.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF037B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1440	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.10	ppm			
Lab Analysis	0.25	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary (at aliquots A, B, and D).
**Composite is of aliquot A, B, and D. Aliquot C to be excavated further.
Excavation at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF037AB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1440			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.32 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary at this aliquot.
** A composite is of aliquots A, B, and D was sent to the lab.
Aliquot C to be excavated further.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF037BB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1440	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.31 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary at this aliquot.
** A composite is of aliquots A, B, and D was sent to the lab.
Aliquot C to be excavated further.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF037CB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1440	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 1.1 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
Further excavation necessary at this aliquot.
** A composite is of aliquots A, B, and D was sent to the lab.
Aliquot C to be excavated further.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF037DB
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1440	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	0.46	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 2
No further excavation necessary at this aliquot.
** A composite is of aliquots A, B, and D was sent to the lab.
Aliquot C to be excavated further.
Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW054A
Sample Location: Area 2
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1515	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.18	ppm			
Lab Analysis	0.40	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 Round 2
No further excavation necessary
Wall was sampled from 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW055B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1440	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.27	ppm			
Lab Analysis	0.30 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 1
No further excavation necessary
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	FD01070901 Result=0.38 ppm

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW056B
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1445	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.67 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 1
Test kit result was close to the clean-up goal, so this sample not sent to lab.
Further excavation necessary
Wall sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW057C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	1425	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB lab analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	1.8	ppm			
Lab Analysis	ND	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 3
No further excavation necessary (of Aliquots A, B, and C).
**Composite sent to the lab was of aliquots A, B, and C.
Aliquot D to be excavated further.
Sample collected at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW057AC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009	0-6 inches		
Time:	1424			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 3
This was grab sample A of composite sample 13SOCW057C
Since the test kit result for this aliquot was below the clean-up goal,
this grab sample was composited (along with aliquots B and C) and sent to
the lab.
Sample collected at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW057BC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1424	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.13 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 3
This was grab sample B of composite sample 13SOCW057C
Since the test kit result for this aliquot was below the clean-up goal,
this grab sample was composited (along with grab samples A and C) and sent to the lab.
Sample collected at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW057CC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1424			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.040 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 3
This was grab sample C of composite sample 13SOCW057C
Since the test kit result for this aliquot was below the clean-up goal,
this grab sample was composited (along with grab samples A and B) and sent to the lab.
Sample collected at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW057DC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/7/2009			
Time:	1424			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 1.2 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 east drainage channel Round 3.
This was grab sample D of composite sample 13SOCW057C.
Since the test kit result for this aliquot was above the clean-up goal, this grab sample was excavated and not sent to the lab as part of the composite sample.
Sample collected at 4 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW058A
Sample Location: Area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	16:30	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.02 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory hand auger sample
Not sent to lab because samples were collected behind it.
Sample collected was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW059A
Sample Location: Area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	16:40	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 2.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory hand auger sample
Not sent to lab because samples were collected behind it.
Sample collected was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW060A
Sample Location: Area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	16:50	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.20	ppm			
Lab Analysis	0.13 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as a Round 3 hand auger sample
Sent to lab to verify clean. This sample is the clean line that the excavation should extend out to.
Sample collected from 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW061A
Sample Location: Area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	17:05	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.25	ppm			
Lab Analysis	0.80 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory hand auger sample
Lab verified as clean, but excavation needs to extend beyond this sample
due to dirty samples out farther than this sample.
Sample collected from 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW062A
Sample Location: Area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4285

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/7/2009	17:10	0-2 feet		
Method:				
hand auger				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.29	ppm			
Lab Analysis	7.4 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 as an exploratory hand auger sample.
Collected to delineate extent of contamination. Excavation needs to extend past this sample.
Sample collected from 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF038A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1530	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 14 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Further excavation necessary
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF039A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1735	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	1.1	ppm			
Lab Analysis	0.36 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result was above the clean-up goal, each aliquot was tested separately. However,none of the aliquots exceeded the clean-up goal, so the composite of all 4 aliquots was sent to the lab.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF039AA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1735			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
All 4 aliquots were composited and sent to the lab because they were all non-detect.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF039BA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1735			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
All 4 aliquots were composited and sent to the lab because they were all non-detect.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF039CA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1735			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
All 4 aliquots were composited and sent to the lab because they were all non-detect.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF039DA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1735			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
All 4 aliquots were composited and sent to the lab because they were all non-detect.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF040A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1601	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	2.6	ppm
Lab Analysis	0.66 J	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary
Because the test kit result was above the clean-up goal, each aliquot was tested separately.
Aliquots A, B, and D were composited as 13SOCF040A and sent to the lab.
Aliquot C was excavated.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF040AA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1601			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary at this aliquot (but aliquot C was excavated).
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
Aliquots A, B, and D tested below the clean-up goal and were composited and sent to the lab.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF040BA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1601	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary at this aliquot (but aliquot C was excavated).
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
Aliquots A, B, and D tested below the clean-up goal and were composited and sent to the lab.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF040CA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1601			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	3.2	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Further excavation necessary at this aliquot (not aliquots A, B, and D, though).
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
Aliquots A, B, and D tested below the clean-up goal and were composited and sent to the lab.
Aliquot C was excavated further.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF040DA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1601	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary at this aliquot (but aliquot C was excavated).
Because the test kit result for the composite sample was above the clean-up goal, each aliquot was tested separately.
Aliquots A, B, and D tested below the clean-up goal and were composited and sent to the lab.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF041A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1608	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	1.8	ppm
Lab Analysis	1.4	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Because the test kit result was above the clean-up goal, each aliquot was tested separately.
Aliquots B, C, and D were composited as 13SOCF041A and sent to the lab.
Aliquot A was excavated. However, the composite of B, C, and D came back above the clean-up goal and further excavation was necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF041AA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1608	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 9.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Because the test kit result for the composite was above the clean-up goal, each aliquot was tested separately.
Aliquots B, C, and D were composited as 13SOCF041A and sent to the lab.
Aliquot A was excavated. However, the composite of B, C, and D came back above the clean-up goal and further excavation was necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF041BA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1608	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	0.65	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Because the test kit result for the composite was above the clean-up goal, each aliquot was tested separately.
Aliquots B, C, and D were composited as 13SOCF041A and sent to the lab.
Aliquot A was excavated. However, the composite of B, C, and D came back above the clean-up goal and further excavation was necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF041CA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1608	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.71 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Because the test kit result for the composite was above the clean-up goal, each aliquot was tested separately.
Aliquots B, C, and D were composited as 13SOCF041A and sent to the lab.
Aliquot A was excavated. However, the composite of B, C, and D came back above the clean-up goal and further excavation was necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF041DA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1608	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Because the test kit result for the composite was above the clean-up goal, each aliquot was tested separately.
Aliquots B, C, and D were composited as 13SOCF041A and sent to the lab.
Aliquot A was excavated. However, the composite of B, C, and D came back above the clean-up goal and further excavation was necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF042A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1750	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	0.59	ppm
Lab Analysis	0.18 J	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF043A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1630	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF044A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1645	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.011 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
Yes	

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF045A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1800	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	0.73	ppm
Lab Analysis	0.033 J	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF046A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1720	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF047A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1500	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	0.75	ppm
Lab Analysis	0.036 J	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF048A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1509	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result		
Field Analysis	0.47	ppm
Lab Analysis	ND	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF049A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1518	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 0.69 ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW063A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1540	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
Field Analysis using PCB Test Kits		None	YES	
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Field Analysis	3.8 ppm			
Lab Analysis	0.51 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Since the test kit for the composite sample was above the clean-up goal,
each aliquot was tested separately. The composite sample for 13SOCW063A
that was sent to the lab contained aliquots A, B, and C. D was excavated further.
Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW063AA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1540	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Since the test kit for the composite sample was above the clean-up goal,
each aliquot was tested separately. The composite sample for 13SOCW063A
that was sent to the lab contained aliquots A, B, and C. D was excavated further.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW063BA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1540	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Since the test kit for the composite sample was above the clean-up goal,
each aliquot was tested separately. The composite sample for 13SOCW063A
that was sent to the lab contained aliquots A, B, and C. D was excavated further.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW063CA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009			
Time:	1540	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Since the test kit for the composite sample was above the clean-up goal,
each aliquot was tested separately. The composite sample for 13SOCW063A
that was sent to the lab contained aliquots A, B, and C. D was excavated further.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW063DA
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/15/2009	0-6 inches		
Time:	1540			
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	20	ppm

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
Since the test kit for the composite sample was above the clean-up goal,
each aliquot was tested separately. The composite sample for 13SOCW063A
that was sent to the lab contained aliquots A, B, and C. D was excavated further.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW064A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1550	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.95 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
The test kit was almost above the clean-up goal, so further excavation was recommended.

Note: a field duplicate of this sample was accidentally sent to the lab but since the sample itself wasn't sent to the lab, there is nothing to compare it to.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	FD01150901 result=0.59

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW065A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1615	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
Field Analysis using PCB Test Kits		None	YES	
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Field Analysis	ND ppm			
Lab Analysis	0.27 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW066A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1622	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
Field Analysis using PCB Test Kits		None	YES	
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Field Analysis	ND ppm			
Lab Analysis	0.062 ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW067A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4286

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1702	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
Field Analysis using PCB Test Kits		None	YES	
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Field Analysis	ND ppm			
Lab Analysis	0.015 J ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW068A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1710	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.69	ppm			
Lab Analysis	0.073	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW069A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1506	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	0.66	ppm			
Lab Analysis	0.077 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW070A
Sample Location: Area 4
Sampled By: J. Floyd/B. Collins/G. Ten Eyck
C.O.C. No.: 4287

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/15/2009	1512	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 West Drainage Channel Round 1
No further excavation necessary.

Sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD079
Sample Location: Area 1B
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1200	Bldg 166 trench sediment		sediment/sludge
Method:	Core			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 1.1 ppm			

OBSERVATIONS / NOTES:

Collected from Bldg 166 Trench system for characterization purposes.
Trenches will need to be cleaned out and then wipe samples will be done on the concrete.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD080
Sample Location: Area 1B
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1200	Bldg 166 trench sediment		sediment/sludge
Method:	Core			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 8.4 ppm			

OBSERVATIONS / NOTES:

Collected from Bldg 166 Trench system for characterization purposes.
Trenches will need to be cleaned out and then wipe samples will be done on the concrete.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD081
Sample Location: Area 1B
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009	Bldg 166 trench sediment		sediment/sludge
Time:	1200			
Method:	Core			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected from Bldg 166 Trench system for characterization purposes.
This part of the trench will not be cleaned out since the test kit was non-detect.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF050C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1600			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.062	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3. Only one aliquot was collected at this location (after further excavation at a single aliquot location).
No further excavation necessary here.

Sample collected at 4.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF051C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1540	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	

Result					
Field Analysis	0.96	ppm			
Lab Analysis	3.1 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
After the test kit came back near the clean-up goal, each aliquot was tested separately. Even though aliquot D was hot, it was decided to send the composite to the lab.
It came back hot. The composite of only aliquots A, B, and C (13SO2CF051C) came back below the clean-up goal, so aliquot D was excavated further.
Note: aliquot B was accidentally excavated (instead of D) but this error was corrected later.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF051AC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1540			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis ND ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
After composite 13SOCF051C came back near the clean-up goal, each aliquot was tested separately to see which ones were hot. Aliquot A, B, and C were below the clean-up goal, but aliquot D was above the clean-up goal.
Two composites were sent to the lab: one composite (13SOCF051C) was of all 4 aliquots and one composite (13SO2CF051C) was of A, B, and C.
Further excavation only required at aliquot D.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF051BC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1540	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	ND	ppm

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
After composite 13SOCF051C came back near the clean-up goal, each aliquot was tested separately to see which ones were hot. Aliquot A, B, and C were below the clean-up goal, but aliquot D was above the clean-up goal.
Two composites were sent to the lab: one composite (13SOCF051C) was of all 4 aliquots and one composite (13SO2CF051C) was of A, B, and C.
Further excavation only required at aliquot D.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF051CC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1540	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	ND	ppm

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
After composite 13SOCF051C came back near the clean-up goal, each aliquot was tested separately to see which ones were hot. Aliquot A, B, and C were below the clean-up goal, but aliquot D was above the clean-up goal.
Two composites were sent to the lab: one composite (13SOCF051C) was of all 4 aliquots and one composite (13SO2CF051C) was of A, B, and C.
Further excavation only required at aliquot D.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF051DC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1540			
Method:	plastic trowel	0-6 inches		
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	

Result		
Field Analysis	6.1	ppm

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
After composite 13SOCF051C came back near the clean-up goal, each aliquot was tested separately to see which ones were hot. Aliquot A, B, and C were below the clean-up goal, but aliquot D was above the clean-up goal.
Two composites were sent to the lab: one composite (13SOCF051C) was of all 4 aliquots and one composite (13SO2CF051C) was of A, B, and C.
Further excavation only required at aliquot D.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SO2CF051C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1540	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.23 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 East drainage channel during round 3.
This composite was made up of aliquots A, B, and C from sample 13SOCF051C.
Composite 13SOCF051C came back hot, so each aliquot was tested separately.
No further excavation at these three aliquots necessary.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF052C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1530	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.14	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 2.
No further excavation necessary at this location.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF053B
Sample Location: Area 4
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1530	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB Lab Analysis SW 846-8082	Glass	YES	
Result			
Field Analysis ND ppm			
Lab Analysis 0.28 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 west drainage channel round 2.
Composite of former locations 13SOCF038A and aliquot D of 13SOCW063A
after further excavation at these locations.
No further excavation necessary.

Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF054B
Sample Location: Area 4
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1745	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.20	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 west drainage channel round 2.
Composite of former location 13SOCF041A after further excavation.
No further excavation necessary.

Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW071C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1550	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	8.5 J ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 drainage channel east in round 4.
Test kit only done on aliquot A of this sample (it was 0.651). This composite was made up of aliquots A, B, and C from 13SOCW057C collected on 1/7/09 and a re-excavated aliquot D of this sample (now called aliquot A of 13SOCW071C).
Aliquot A of 13SOCW071C needs to be excavated further.

Sample collected at 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW072C
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1515	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.057 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 3.
No further excavation necessary at this location.

Sample collected at 3.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW073A
Sample Location: area 1
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1145	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
PCB lab analysis SW 846-8082	Glass	YES	
Result			
Field Analysis 55 ppm			
Lab Analysis 420 ppm			

OBSERVATIONS / NOTES:

Round 3 sample collected at Bld 166 to delineate the extent of contamination . Since the sample came back so high, the Navy requested Tetra Tech develop a sampling plan to delineate the remaining contamination at Bldg 166.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW074B
Sample Location: Area 4
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: 4292

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1/22/2009	1645	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
Field Analysis using PCB Test Kits			None	YES	
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Field Analysis	ND	ppm			
Lab Analysis	0.31 J	ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 west drainage channel round 2.
Composite of former location 13SOCW064A and aliquot C of 13SOCF040A
after further excavation at these locations.
No further excavation necessary.

Sample collected at 3 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW071AC
Sample Location: Area 3
Sampled By: J. Floyd/J. Goerdt
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	1/22/2009			
Time:	1550	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Field Analysis using PCB Test Kits	None	YES	
Result			
Field Analysis 0.65 ppm			

OBSERVATIONS / NOTES:

Collected at Bldg 171 drainage channel east in round 4.
Test kit only done on aliquot A of this sample. This composite was made up of aliquots A, B, and C from 13SOCW057C collected on 1/7/09 and a re-excavated aliquot D of this sample (now called aliquot A of 13SOCW071C).
Aliquot A of 13SOCW071C needs to be excavated further.

Sample collected at 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF055BD
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	2/5/2009			
Time:	1130	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	

Result		
Lab Analysis	0.099	ppm

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 4.
Aliquot B of round 3 sample 13SOCF051C was incorrectly excavated (it should have been aliquot D) and this sample was collected there.
The mistake was corrected at a later date.
No further excavation required here.

Sample collected at 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOW075AD
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	2/5/2009			
Time:	1145	0-6 inches		
Method:	plastic trowel			
Monitor Reading (ppm):	NA			

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	

Result		
Lab Analysis	ND	ppm

OBSERVATIONS / NOTES:

Collected at Bldg 171 east drainage channel round 5.
Collected after further excavation at round 4 sample 13SOW071AC.
No further excavation necessary.

Sample collected at 7.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP010A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1230			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.012 ppm			

OBSERVATIONS / NOTES:

Collected from the culvert between areas 3 and 4 (goes underneath the tramway)
Sample collected at the surface of the concrete culvert

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP011A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1245			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.0042 ppm			

OBSERVATIONS / NOTES:

Collected from the culvert between Areas 3 and 4 (underneath the tramway)
Sample collected from the surface of the concrete culvert

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP012A
Sample Location: Area 4
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1255			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.0039 ppm			

OBSERVATIONS / NOTES:

Collected from the culvert at the downstream end of Area 4 drainage channel
Collected from the surface of the concrete culvert

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP013A
Sample Location: Area 4
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1300			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.0023 ppm			

OBSERVATIONS / NOTES:

Collected from the surface of the concrete culvert at the downstream end of the Area 4 drainage channel

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP014A
Sample Location: Area 5A
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1330			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected from the surface of the concrete culvert upstream of Area 5

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

WIPE SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[] Sediment
[x] Other: Concrete Wipe Sample
[] QA Sample Type:

Sample ID No.: 13WP015A
Sample Location: Area 5A
Sampled By: J. Floyd
C.O.C. No.: 4294

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
2/5/2009	1345			
Method:				
wipe				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB lab analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected from the surface of the concrete culvert upstream of Area 5

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB109
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1090002				
	2					Brown	Sandy Clay		10:15				
									PCB Test Kit Result = Non-Detect				
	2								2--4				
	4					Brown	Sandy Clay		13SB1090204				
									10:15				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB110
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1100002				
	2					Brown	Sandy Clay		10:25				
									PCB Test Kit Results = Non-Detect				
	2								2--4				
	4					Brown	Sandy Clay		13SB1100204				
									10:25				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB111
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1110002				
	2					Brown	Sandy Clay		11:00				
									PCB Test Kit Results = 2 ppm				
									2--4				
	2								13SB1110204				
	4					Brown	Sandy Clay		11:00				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB112
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1120002				
	2					Brown	Clayey Sand		11:45				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1120204				
	4					Brown	Clayey Sand		11:45				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB113
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1130002				
	2					Brown	Clay		12:15				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1130204				
	4					Brown	Clay		12:15				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB114
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Brownish - orange			13SB1140002				
	2						Clay		13:30				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1140204				
	4					Brown	Clay		13:30				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB115
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
									0--2				
	0					Brown/ Dark Brown			13SB1150002				
	2						loamy clay/organic material		13:45				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1150204				
	4					Reddish Brown	loamy clay		13:45				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB116
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1160002				
	2					Brown	Clay		13:40				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1160204				
	4					Brown	Clay		13:40				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB117
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1170002				
	2					Brown	Clay		12:30				
							4" gravel layer at 2 feet		PCB Test Kit Results = Non-detect				
									2--4				
	2					Brown with some gray			13SB1170204				
	4						Clay		12:30				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB118
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Brown with gray streaks			13SB1180002				
	2						Sandy Clay		12:00				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Brown with gray streaks			13SB1180204				
	4						Sandy Clay		12:00				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB119
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1190002				
	2					Brown	Sandy Clay		11:15				
							very wet soil		PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1190204				
	4					Brown	Sandy Clay		11:15				
							very wet soil		Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB120
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1200002				
	2					Brown	Sandy Clay		10:30				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1200204				
	4					Brown	Sandy Clay		10:30				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB121
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1210002				
	2					Brown	Sandy Clay		10:20				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1210204				
	4					Brown	Sandy Clay		10:20				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB122
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Orangish Brown			13SB1220002				
	2						Sandy Clay		15:20				
									PCB Test Kit Results = 2.2 ppm				
									2--4				
	2					Orangish Brown			13SB1220204				
	4						Sandy Clay		15:20				
									PCB Test Kit Results =Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB123
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish Brown			13SB1230002				
	2						Clay		15:00				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Red/ Brown			13SB1230204				
	4						Clay		15:00				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB124
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Orangish Brown with gray streaks			13SB1240002				
	2						sandy clay		14:50				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Orangish Brown			13SB1240204				
	4						sandy clay		14:50				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB125
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish Brown			13SB1250002				
	2						clay		14:30				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Reddish Brown			13SB1250204				
	4						clay		14:30				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB126
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish Brown			13SB1260002				
	2						clay		14:10				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Reddish Brown			13SB1260204				
	4						clay		14:10				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB127
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Dark Brown/ Brown			13SB1270002				
	2						Organic clay		14:00				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Reddish Brown			13SB1270204				
	4						clay		14:00				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB128
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Dark Brown/ Brown			13SB1280002				
	2						Loamy Clay with Organic Material		13:50				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Brown/ Reddish Brown			13SB1280204				
	4						Clay		13:50				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB129
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Dark Brown/ Brown			13SB1290002				
	2						Organic Clay		13:55				
									PCB Test Kit Results = 2 ppm				
									2--4				
	2					Reddish Brown			13SB1290204				
	4						Clay		13:55				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB130
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish dark brown/ brown			13SB1300002				
	2						Clay		14:05				
									PCB Test Kit Results =Non-detect				
									2--4				
	2								13SB1300204				
	4						Clay		14:05				
						Reddish Brown							
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB131
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1310002				
	2					Brown	Clay		14:15				
									PCB Test Kit Results =Non-detect				
									2--4				
	2								13SB1310204				
	4					Brown	Clay		14:15				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB132
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Brown with gray streaks			13SB1320002				
	2						Sandy Clay		14:40				
									PCB Test Kit Results = 0.54 ppm				
									2--4				
	2					Brown/ orangish brown			13SB1320204				
	4						Sandy Clay		14:40				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB133
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Orangish Brown with gray streaks			13SB1330002				
	2						Sandy Clay		14:45				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Orangish Brown			13SB1330204				
	4						Sandy Clay		14:45				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB134
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
									0--2				
	0								13SB1340002				
	2					Orangish Brown	Sandy Clay		15:10				
									PCB Test Kit Results = Non-detect				
									2--4				
	2					Orangish Brown/ Dark Brown streaks			13SB1340204				
	4						Sandy Clay		15:10				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB135
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1350002				
	2					Orangish Brown	Sandy Clay		15:25				
									PCB Test Kit Results = Non-detect				
									2--4				
	2								13SB1350204				
	4					Orangish Brown	Sandy Clay		15:25				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB136
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
						Orangish Brown with Brown/ Gray streaks			0--2				
	0								13SB1360002				
	2						Sandy Clay		13:25				
									PCB Test Kit Results = 4.8 ppm				
									2--4				
	2					Orangish Brown Gray streaks			13SB1360204				
	4						Sandy Clay		13:25				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13SB137
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Hand Auger *too muddy

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1370002				
	2					Brown	Clay (wet)		18:10				
									PCB Test Kit Results = 0.61 ppm				
									2--4				
	2								13SB1370204				
	4					Brown	Clay (wet)		18:10				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13SB138
DATE: 4/8/2009 - 4/9/2009
GEOLOGIST: John Floyd
DRILLER: Hand Auger *too muddy

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish Brown			13SB1380002				
	2						Wet Clay		18:00				
									PCB Test Kit Results = 0.78 ppm				
									2--4				
	2					Reddish Brown			13SB1380204				
	4						Wet Clay		14:50 **4/9				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13SB139
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1390002				
	2					Brown	Clay		13:35				
									PCB Test Kit Results = 0.92 ppm				
									2--4				
	2								13SB1390204				
	4					Brown	Clay		13:35				
									PCB Test Kit Results = Non-detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13SB140
DATE: 4/8/2009- 4/9/2009
GEOLOGIST: John Floyd
DRILLER: Hand Auger *too muddy

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1400002				
	2					Brown	Clay		18:30				
									PCB Test Kit Results = Non - detect				
									2--4				
	2								13SB1400204				
	4					Brown	Clay		14:30 *4/9				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13SB141
DATE: 4/8/2009- 4/9/2009
GEOLOGIST: John Floyd
DRILLER: Hand Auger *too muddy

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0								13SB1410002				
	2					Brown	Clay		17:40				
									PCB Test Kit Results = 0.93 ppm				
									2--4				
	2								13SB1410204				
	4					Brown	Clay		14:00 *4/9				
									PCB Test Kit Results = Non - detect				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm):

Remarks: Collected at Building 166

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NSA Crane SWMU 13
PROJECT NUMBER: 112G01573
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13SB142
DATE: 4/8/2009
GEOLOGIST: John Floyd
DRILLER: Hand Auger *too muddy

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Reddish Brown with gray spots			13SB1420002				
	2						Clay with Organic Matter		17:20				
									PCB Test Kit Results = Non - detect				
									2--4				
	2					Reddish Brown			13SB1420204				
	4						Clay		17:20				
									Not Analyzed				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 166

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF056C
Sample Location: Area 1A
Sampled By: G. Ten Eyck
C.O.C. No.: 2114

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/8/2009	4:27	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	7.1 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
Collected to verify all TSCA material was removed (exploratory)
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW076A
Sample Location: Area 1A
Sampled By: G. Ten Eyck
C.O.C. No.: 2114

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/8/2009	4:35	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.1 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
Collected to verify all TSCA material was removed
wall sampled at 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW077A
Sample Location: Area 1A
Sampled By: G. Ten Eyck
C.O.C. No.: 2114

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/8/2009	4:46	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.71 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
Collected to verify that all TSCA material was removed
Wall sampled at 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW078A
Sample Location: Area 1A
Sampled By: G. Ten Eyck
C.O.C. No.: 2114

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/8/2009	4:40	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	5.2 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
Wall sampled was at 0-2 ft bgs
Portion that was TSCA was excavated and this sample collected
as an exploratory sample to ensure all TSCA material was removed.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW079A
Sample Location: Area 1A
Sampled By: G. Ten Eyck
C.O.C. No.: 2114

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/8/2009	4:50	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.5 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
Collected to verify all TSCA material was removed
Wall sampled was at 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF057C
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	15:30	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.7 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF058C
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	16:30	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	6.1J ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF059C
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	16:55	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.54 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) Round 1
No further excavation necessary.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW080A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	15:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.93	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW081A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	15:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	11 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW082A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	15:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	3 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW083A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	15:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	4.9 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW084A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	16:15	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	32 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
Further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW085A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	16:15	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	11J ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW086A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/17/2009	16:15	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.49	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW087A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/18/2009	14:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	0.3 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW088A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/18/2009	14:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.24	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW089A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4296

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/18/2009	14:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.33	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event)
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW090A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4295

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/18/2009	14:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.4 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling event) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF060C
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	12:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.07	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East drainage channel during round 4
No further excavation necessary.
Floor sampled was 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF061C
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	15:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	26 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) round 1
Further excavation necessary.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF062C
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	16:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.28	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) round 1
No further excavation necessary.
Floor sampled was 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW091A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	13:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East drainage channel during round 4
No further excavation necessary.
Wall sampled was 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW092A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	13:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.045	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East drainage channel during round 4
No further excavation necessary.
Wall sampled was at 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW093A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	13:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.98	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East drainage channel during round 4
No further excavation necessary.
Wall sampled was 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW094A
Sample Location: Area 3
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	13:00	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.1	ppm			

OBSERVATIONS / NOTES:

Collected at Building 171 East drainage channel during round 4
No further excavation necessary.
Wall sampled was 5.5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW095A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	16:30	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	0.45	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW096A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	16:30	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	2.5	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW097A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	16:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.8 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW098A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	16:45	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	1.1 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW099A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	17:15	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082	Glass	YES	
Result				
Lab Analysis	8.8 ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling)
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW100A
Sample Location: Area 1A
Sampled By: J. Floyd
C.O.C. No.: 4298

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
6/23/2009	17:15	0-6 inches		
Method:				
plastic trowel				
Monitor Readings				
(Range in ppm):				
NA				

SAMPLE COLLECTION INFORMATION:

Analysis			Container Requirements	Collected	Other
PCB Lab Analysis	SW 846-8082		Glass	YES	
Result					
Lab Analysis	2.2 J	ppm			

OBSERVATIONS / NOTES:

Collected at Building 166 Area 1A (after DPT sampling) Round 1
No further excavation necessary.
Wall sampled was 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13 SOC F 063
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:35	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
0.078 ppm			

OBSERVATIONS / NOTES:

Collected at Area 1A during Round 2
Collected 2' bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW101
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:58PM	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
260 ppm			

OBSERVATIONS / NOTES:

Wall is 0-2 ft bgs. Industrial clean-up levels being used at this area
Collected from Area 1A during round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW102
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:55PM	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
ND ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial clean-up levels used here
Collected at Area 1A during round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW103
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:50PM	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
0.021 ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial clean-up levels used
Collected from Area 1A during round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW104
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:43PM	0-6 inches		
Method:				
Disposable trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
ND ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial clean-up levels used
Collected from Area 1A round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW105
Sample Location: Area 1A
Sampled By: George Ten Eyck
C.O.C. No.: 2115

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/31/2009	12:40PM	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCBs SW-846 8082	Glass	YES	
Lab Results			
0.056 ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial clean-up levels used here
Collected from Area 1A during round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[] Subsurface Soil
[x] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SD082
Sample Location: Area 5A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	8/13/2009	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time:	21:00	**0-6 inches**		
Method:	Disposable Trowel			
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	140 ppm			

OBSERVATIONS / NOTES:

This sump is between bldg 169 and 166 but is closer to bldg 169.
It is on the east side of the tramway.
**This sump was removed (entire structure) and then G. Ten Eyck and
T. Klimek collected confirmation samples from the soil underneath on 3/18/10

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW106A
Sample Location: Area 1A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
8/13/2009	17:40	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	140 ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial levels used
Collected from Area 1A during round 2
Collected in same location as 13SOCW101 and used to confirm results

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW107A
Sample Location: Area 1A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
8/13/2009	18:50	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial levels
Collected in Area 1A at the same location as 13SOCW102 and used to confirm results

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW108A
Sample Location: Area 1A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
8/13/2009	19:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.064 ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial levels
Collected in Area 1A at the same location as 13SOCW103 to confirm results

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW109A
Sample Location: Area 1A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
8/13/2009	19:55	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.018 J ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial levels
Collected in Area 1A at the same location as 13SOCW104 and used to confirm results

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW110A
Sample Location: Area 1A
Sampled By: John T. Floyd
C.O.C. No.: 4301

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
8/13/2009	20:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.044 ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs
Industrial levels
Collected in Area 1A at the same location as 13SOCW105 and used to confirm results

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW111A
Sample Location: Area 1A
Sampled By: J. Goerdt
C.O.C. No.: 2118

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	9/9/2009	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:	9:45	0-6 inches		
Method: Hand Auger				
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.065 J ppm			

OBSERVATIONS / NOTES:

Wall at 0-2 ft bgs collected with hand auger at Area 1A
Industrial levels

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW112A
Sample Location: Area 1A
Sampled By: J. Goerdt
C.O.C. No.: 2118

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

		Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:	9/9/2009			
Time:	10:15	0-6 inches		
Method: Hand Auger				
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Wall hand augered from 0-2 ft bgs
Industrial levels used
Collected at Area 1A

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
	Field duplicate FD09090901

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW113A
Sample Location: Area 1A
Sampled By: J. Goerdt
C.O.C. No.: 2118

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	9/9/2009	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time:	10:20	0-6 inches		
Method: Hand Auger				
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.32 ppm			

OBSERVATIONS / NOTES:

Wall hand augered from 0-2 ft bgs
Industiral levels used
Area 1A

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF064
Sample Location: Area 2
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	15:45	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	32 ppm			

OBSERVATIONS / NOTES:

Re-sample of sample 13SOCF021A, which changed from 8.3 to 180 ppm
Sampled at 2' bgs at Area 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF065
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	16:30	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	2.7 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF066
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	15:20	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.75 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF067
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	14:50	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.048 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF068
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	14:25	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.067 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF069
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	13:30	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.33 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF070
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4302

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
12/18/2009	13:50	6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.069 ppm			

OBSERVATIONS / NOTES:

Sampled at 6 inches bgs
Support area sample

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF064A
Sample Location: Area 2
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time: 13:00	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.045 ppm			

OBSERVATIONS / NOTES:

Aliquot of 13SOCF064 sent to isolate contamination further at Area 2
Collected at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF064B
Sample Location: Area 2
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time: 13:00	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.27 ppm			

OBSERVATIONS / NOTES:

Aliquot of 13SOCF064 sent to lab to isolate contamination further at Area 2
Collected at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF064C
Sample Location: Area 2
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time: 13:00	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	3.6 ppm			

OBSERVATIONS / NOTES:

Aliquot of 13SOCF064 sent to lab to isolate contamination further at Area 2
Collected at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF064D
Sample Location: Area 2
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time: 13:00	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	101 ppm			

OBSERVATIONS / NOTES:

Aliquot of 13SOCF064 sent to lab to isolate contamination further at Area 2
This is the location that further excavation was completed in.
Collected at 2' bgs
Area 2A created based on this location

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF065A
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 1/28/2010			
Time: 13:05	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	1.7 ppm			

OBSERVATIONS / NOTES:

Aliquot of support area sample 13SOCF065 sent to lab to isolate contamination
Aliquot collected 6 inches bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF065B
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time:	13:05	0-6 inches		
Method: Disposable Trowel				
Monitor Reading (ppm):				

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	7.0 ppm			

OBSERVATIONS / NOTES:

Aliquot of support area sample 13SOCF065 sent to lab to isolate contamination
Aliquot collected 6 inches bgs

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF065C
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 1/28/2010			
Time: 13:05	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	1.2 ppm			

OBSERVATIONS / NOTES:

Aliquot of support area sample 13SOCF065 sent to lab to isolate contamination
Aliquot collected 6 inches bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOF065D
Sample Location: Support Area
Sampled By: John T. Floyd
C.O.C. No.: 4299

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 1/28/2010	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Time: 13:05	0-6 inches		
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	**Time**	**Depth Interval**	**Color**	**Description (Sand, Silt, Clay, Moisture, etc.)**
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	**Container Requirements**	**Collected**	**Other**
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	4.7 ppm			

OBSERVATIONS / NOTES:

Aliquot of support area sample 13SOCF065 sent to lab to isolate contamination
Aliquot collected 6 inches bgs

MAP:

Circle if Applicable:

MS/MSD	**Duplicate ID No.:**

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF071
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	10:15	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.56 ppm			

OBSERVATIONS / NOTES:

B 169 Sump (after removal)
Floor sampled at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF072
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	11:00	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.018 J ppm			

OBSERVATIONS / NOTES:

B-169 sump confirmation samples (after removal)
Floor sampled at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF073
Sample Location: Area 2A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	11:00	0-6 inches		
Method:	Disposable Trowel			
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	1100 ppm			

OBSERVATIONS / NOTES:

Same location as 13SOCF021A and 13SOCF064
Collected at 3' bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF074
Sample Location: Support Area
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	13:15	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.44 ppm			

OBSERVATIONS / NOTES:

Collected at overexcavation of support area sample 13SOCF065
Collected at 2' bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW114
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	10:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.56 ppm			

OBSERVATIONS / NOTES:

Collected at 0-2 ft bgs
Sampled after removal of B-169 sump

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW115
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	10:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.052 ppm			

OBSERVATIONS / NOTES:

Collected at 0-2 ft bgs after removal of B-169 sump

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW116
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	10:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.09 ppm			

OBSERVATIONS / NOTES:

Collected at 0-2 ft bgs after removal of B-169 sump

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW117
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	11:00	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected at 0-2 ft bgs after removal of B-169 sump

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW118
Sample Location: Area 5A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	11:00	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	ND ppm			

OBSERVATIONS / NOTES:

Collected at 0-2 ft bgs after removal of B-169 sump

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW119
Sample Location: Area 2A
Sampled By: George Ten Eyck
C.O.C. No.: 2139

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/2010	13:00	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	350 ppm			

OBSERVATIONS / NOTES:

Collected at the overexcavation of 13SOCF021A and 13SOCF064
Excavation was 0-3 ft bgs but sample collected from 2-3 ft bgs because
0-2 ft was clean fill

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF075
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: N/A

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis		Container Requirements	Collected	Other
PCB Test Kit			Glass	YES	
	Results				
	ND	ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF076
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Test Kit		Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF077
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF078
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF079
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF080
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:			
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF081
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF082
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
	PCB Test Kit	Glass	YES	
	Results			
	ND ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF083
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
0.96 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF084
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
0.63 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF085
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
0.55 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF086
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
1.0 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF087
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
6.5 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF088
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
0.77 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF089
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
0.86 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath
the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF090
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		2-3'		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
1.6382 ppm			

OBSERVATIONS / NOTES:

Sample not sent to lab
Hand augered and used test kit
Used sample to determine excavation extent
0-2 ft bgs was clean fill, so a hand auger was used to sample beneath the clean fill (from 2-3' bgs)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW120
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		0-6 inches		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
34 ppm			

OBSERVATIONS / NOTES:

Wall was 0-3 ft bgs but only 2-3' was sampled because 0-2 was clean fill

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW121
Sample Location: Area 2A
Sampled By: B. Collins, L. Foster
C.O.C. No.: NA

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/31/2010		0-6 inches		
Method:				
Hand Auger				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit	Glass	YES	
Results			
36 ppm			

OBSERVATIONS / NOTES:

Wall was 0-3 ft bgs but only 2-3' bgs was sampled because 0-2 was clean fill

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF091
Sample Location: Area 2A
Sampled By: Betsy Collins
C.O.C. No.: 2141

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/21/2010	10:15	0-6 inches		
Method:				
disposable trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	180 ppm			

OBSERVATIONS / NOTES:

Collected at 5 feet bgs
Collected after overexcavation at 13SOCF073 during round 2

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW122
Sample Location: Area 2A
Sampled By: Betsy Collins
C.O.C. No.: 2141

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/21/2010	10:30	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	250 ppm			

OBSERVATIONS / NOTES:

Collected at 2-5 ft bgs after overexcavation
Top two feet not sampled because it is clean fill

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW123
Sample Location: Area 2A
Sampled By: Betsy Collins
C.O.C. No.: 2141

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/21/2010	10:40	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	8.5 ppm			

OBSERVATIONS / NOTES:

Collected at same location as 13SOCW120 at 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW124
Sample Location: Area 2A
Sampled By: Betsy Collins
C.O.C. No.: 2141

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/21/2010	11:00	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	42 ppm			

OBSERVATIONS / NOTES:

Collected at same location as 13SOCW120 at 2-5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

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Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW125
Sample Location: Area 2A
Sampled By: Betsy Collins
C.O.C. No.: 2141

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
4/21/2010	11:15	0-6 inches		
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
	Results			
Lab Analysis	0.044 J ppm			

OBSERVATIONS / NOTES:

Collected after overexcavation of 13SOCW119 at 2-5 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 143
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Sand-fill						
	1								0--2				
									13SB1430002				
	1					Brown	Mottled Clay		8:57				
	2												
	2					Tan	Sand		2--3				
	3								13SB1430203				
							Bed Rock At 3'		8:57				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 144
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0					Orange-Brown	Silty Clay		0--2				
	2								13SB1440002				
									9:00				
						Orange-Brown	Silty Clay						
	2								2--4				
	4						Bed Rock At 4		13SB1440203				
									9:00				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 145
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0								0--2				
	2					Orange	Sandy with some silty clay		13SB1450002				
									9:05				
	2					Orange	Sandy with some silty clay		2--4				
	4								13SB1450204				
									9:05				
						Orange	Sandy with some silty clay						
	4								4--5				
	5						Bed Rock at 5 feet		13SB1450405				
									9:05				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 146
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0						Sandy with some silt and clay		0--2				
	2					Orange			13SB1460002				
									9:12				
	2						Sandy with some silt and clay		2--4				
	4					Orange			13SB1460204				
							Bed Rock at 4 feet		9:12				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 147
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Brownish-Orange			0--2				
	2						Sandy		13SB1470002				
									9:18				
						Brownish-Orange							
	2						Sandy		2--3.5				
	3.5						Bed Rock at 3.5 feet		13SB1470204				
									9:18				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 148
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2				
	2					Brown	Clayey sand		13SB1480002				
									10:17				
	2					Brown	Silty sand, semi-dry		2--4				
	4						Bed Rock at 3.5 feet		13SB1480204				
									10:17				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 149
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2				
	2					Orange	Sandy Clay		13SB1490002				
	2								2--4				
	3.5					Orange	sandy clay with silt		13SB1490204				
						with dark	Refusal at 3.5 feet						
						red							

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 150
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2				
	2					Brown			13SB1500002				
							Clay with silt and sand						
	2								2--4				
	4					Brown	Clay with silt and sand		13SB1500204				
						with Gray							
						mottles							
	4								4--6				
	6					Brown	with orange sandy clay		13SB1500406				
							Refusal at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 151
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0								0--2				
	2					Orange	Clay with sand		13SB1510002				
									11:45				
	2								2--4				
	4					Orange	Clay with sand		13SB1510204				
							Refusal at 4 feet		11:45				
							* Field Duplicate 050710-02 = 13SB1510204 and Field Duplicate 050710-01 = 13SB1510002						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

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PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 152
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2				
	2					Brown	Silty Clay		13SB1520002				
	2								2--4				
	4					Brown	Silty Clay		13SB1520204				
	4												
	4.5					Brown	silty Clay		4.5--5				
									13SB1520405				
	4.5					Brown-Gray							
	5						Sand with silty clay						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 153
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2				
	2					Orange	Clay with Sand		13SB1530002				
									11:53				
	2								2--4				
	4					Orange	Clay with Sand		13SB1530204				
									11:53				
	4					Brownish-orange			4--6				
	6						Silty Sand		13SB1530406				
									11:53				
							Refusal at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 154
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0					Light brownish orange			0--2				
	2						sandy clay		13SB1540002				
									11:05				
	2					Light brownish orange			2--4				
	4						sandy clay		13SB1540204				
									11:05				
	4								4--5				
	5					Brown w/	sandy clay		13SB1540405				
						white	Refusal at 5 feet		11:05				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 155
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orange-brown			0--2				
	2						clayey sand		13SB1550002				
									10:45				
	2					Orange-brown			2--4				
	4						sand with clay		13SB1550204				
									10:45				
							Refusal at 4 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 156
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0								0--2				
	2					Orange	clayey sand with silt		13SB1560002				
									10:00				
	2								2--4				
	4					orange	clayey sand with silt		13SB1560204				
									10:00				
	4								4--6				
	6					Dark brown with white	sandy		13SB1560406				
							Bed rock - friable with mica, soft and weathered		10:00				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 157
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orangish-brown	sand with silt and clay, semi-moist		0--2				
	2								13SB1570002				
									9:37				
	2					grayish	sand and semi-moist		2--4				
	4								13SB1570204				
									9:37				
	4					Reddish brown	sand with clay, silt-mica in sand - friable		4--5				
	5								13SB1570405				
									9:37				
							Refusal at 5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 158
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orangish-brown			0--2				
	2						sand		no sample				
	2								2--4				
	4					Brown	sand		13SB1580204				
							refusal at 3.5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 159
DATE: 5/8/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5								11:00				
	6					Brown	mottled clay		13SB1590406				
									collected via hand				
									auger from the				
									bottom of an open				
									excavation				
							Bedrock at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 160
DATE: 5/8/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5								11:20				
	6					Brown	mottled clay		13SB1600406				
									collected via hand				
									auger from the				
									bottom of an open				
									excavation				
							Bedrock at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 161
DATE: 5/8/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5								11:35				
	6					Brown	mottled clay		13SB1610406				
									collected via hand				
									auger from the				
									bottom of an open				
									excavation				
							Bedrock at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 162
DATE: 5/8/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5								11:45				
	6					Brown	mottled clay		13SB1620406				
									collected via hand				
									auger from the				
									bottom of an open				
									excavation				
							Bedrock at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 163
DATE: 5/8/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	5								12:00				
	6					Brown	mottled clay		13SB1630406				
									collected via hand				
									auger from the				
									bottom of an open				
									excavation				
							Bedrock at 6 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 164
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	PID/FID Reading (ppm): Sampler BZ	PID/FID Reading (ppm): Borehole**	PID/FID Reading (ppm): Driller BZ**
	0								0--2				
	2					Brown	no sample collected		no sample collected				
	2								2--4				
	4					brown	sandy		13SB1640204				
									12:20				
	4					brown with maroon material			4--6				
	6						sandy		13SB1640406				
									12:20				
							Refusal at 6 feet						
							* Field Duplicate 03 = 13SB1640204 and did not send field dup 04						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 165
DATE: 5/7/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Dark Reddish Brown			0--2				
	2						no sample collected		no sample collected				
	2					Dark Reddish Brown			2--4				
	4						sandy		13SB1650204				
									9:25				
	4					Dark Reddish Brown			4--5				
	5						sandy		13SB1650405				
									9:25				
							Refusal at 5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 166
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
									0--2				
	0					Brown	Clay		13SB1660002				
	2								9:48				
	3					Dark Brown	Oxide layer at 3 feet, weathered bed rock at 3 feet						
	4												
	4						weathered sand stone						
	5								4--7				
						Brown			13SB1660407				
	5						Sand with oxide stain		9:48				
	7						at 6-7'		Duplicate FD060310-02				
	7					Brown	Clay						
	9												
							Refusal at 9 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 167
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top soil						
	0.5												
	0.5					Brown	Clay / some oxide		13SB1670002				
	2								10:04				
	3					Brown	Clay/some oxide		3--4				
	4								13SB1670304				
						tan	Weathered Bed Rock at 4 feet /Refusal at 4.5 feet		10:04				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 168
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top soil						
	0.5												
	0.5					Brown	Clay		13SB1680002				
	2								10:12				
						Brown/ Tan	Sand Stone with Oxide Layer						
	3								3--4				
	4						Weathered Bed Rock		13SB1680304				
									10:12				
							Refusal at 4.5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 169
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Brown			0--2				
	2						Clay, silt		13SB1690002				
							Bed Rock at 2 feet		14:15				
							weathered sandstone						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 170
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Brown	Silty Clay						
	2								13SB1700002				
									14:00				
	2												
	3					Brown	Silty Clay		13SB1700203				
									14:00				
							Refusal at 3 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 171
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top Soil		0--0.5				
	0.5												
									0--2				
	0.5					Brown	Silty Clay		13SB1710002				
	2								2:41				
	2												
	4					Brown	Silty Clay		3--4				
									13SB1710304				
	4					Brown with White			2:41				
	5						Sand Stone Bed Rock						
							Refusal at 5 feet in drainage ditch						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 172
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--1				
	1						Fill materials / 3" clay		*sample near 2'				
									0--2				
	1						Poor Recovery between 0-5 feet		13SB1720002				
	2								2:55				
	5					Brown	Clay		5--7				
	7								13SB1720507				
									2:55				
							Refusal at 7 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 173
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Brown	Silty Clay		0--1				
	1												
									0--2				
	1					Brown with White	Sand stone bedrock		13SB1730002				
	2								2:36				
							Refusal at 2 feet in drainage ditch						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 174
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill gravel		0--0.5				
	0.5												
									0.5--2				
	0.5					Brown	Silty Clay		13SB1740002				
	3								2:27				
	3					White	Sand stone Bed rock		3--4				
	4								13SB1740304				
									2:27				
							Refusal at 4 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 175
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top Soil		0--0.5				
	0.5												
									0.5--2				
	0.5					Gray	Silty Clay		13SB1750002				
	3								2:22				
	3					White and Brown			3--4				
	4						Sand Stone		13SB1750304				
									2:22				
							Refusal at 4 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 176
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill Material		0--2				
	2												
									2--3				
	2					Brown	Silty Clay		13SB1760203				
	3								11:26				
							Refusal at 4 feet		Poor Recovery at 3 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 177
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill Material (gravel subbase for road)		0--2				
	2												
									2--3				
	2					Brown with white	Silty Clay grade into sand stone		13SB1770203				
	3								11:18				
							Refusal at 4' 11"						
									Poor Recovery				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 178
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--1.5				
	1.5						gravel fill (road subbase)						
									1.5--2.5				
	1.5					Brown	silty clay		13SB1780102				
	2								11:10				
							Refusal at 4.5 feet		In Road / poor recovery at 2-5 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 179
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill material / gravel subbase		0--2				
	2												
									2--3				
	2					Brown	clay		13SB1790203				
	3								11:04				
									In Road / Near Railroad Tracks				
	3					Brown and white	grading into sand stone						
	5												
							Refusal at 5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 180
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill material / gravel subbase		0--2				
	2												
									2--4				
	2					Brown	Silty Clay		13SB1800204				
	4								10:57				
									In Road / Poor Recovery - 3 feet				
	4					White	At bottom, sand stone						
	5												
							Refusal at 5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 181
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill material / gravel subbase		0--2				
	2												
									2--3				
	2					Brown	Clay		13SB1810203				
	3								10:52				
	3					White	sand stone		In Road				
	4'11"					Black	oxide spots						
							Refusal at 4' 11"						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 182
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Fill material / gravel subbase		0--2				
	2												
									2--3				
	2					Brown	Clay		13SB1820203				
	3								10:47				
							Refusal at 4 feet		In Road / poor recovery- 2.5 feet				
	3												
	4												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 183
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2.5				
	2.5						Fill material						
	2.5					Brown	Clay						
	3.5												
	2.5					Brown	Silty Clay						
	6								In Road				
									2.5--6				
	6					Tan and White	Sand stone bed rock		13SB1830206				
	7						Refusal at 7 feet		10:38				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 184
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0								0--2.5				
	2.5						Fill material						
	3					Brown	clay						
	6								In Road				
									2.5--6				
	6					Brown	sand stone		13SB1840206				
	7						Refusal at 7 feet		10:38				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 185
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0												
	2						Gravel Fill material		0--2				
									13SB1850002				
									10:21				
									poor recovery				
	5												
	6.5					Brown	silty clay with gravel (very wet)		In Road / poor recovery				
									5--7				
	6.5					Tan and White	Bed rock with sand stone		13SB1850507				
	7						Refusal at 7 feet		10:21				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 186
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0												
	0.5						Gravel Fill material		0--2				
									13SB1860002				
	0.5					Brown	Clay		1:45				
	4												
	4.5								Off east side of road 4'10"				
	5					White	sand stone and bed rock						
									4--5				
									13SB1860405				
									1:45				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 187
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Dark Brown	Top soil/silt clay						
	1								0.5--2				
									13SB1870002				
	1					Brown	Silty Clay		1:27				
	3												
	3					White	sand stone and bed rock		Off road in ditch / 5 foot recovery				
	5												
									4--5				
	5					White	sand stone and bed rock		13SB1870405				
	6								1:27				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 188
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--0.5				
	0.5								0.5--2				
									13SB1880002				
	0.5					Brown	Silty Clay		1:20				
	5												
	5.5						Gravel Layer		In Railroad gravel layer				
	6												
									6--7				
	6					White	Very wet silty clay		13SB1880607				
	8						Refusal at 8 feet		1:20				
									Recovered 2 feet between 5-8 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 189
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--0.5				
	0.5												
									0.5--1				
	0.5					Brown	Silty Clay		13SB1890001				
	1								1:08				
									Railroad Gravel Bed				
	1												
	4												
									Soft push 1-3 feet				
							Refusal at 4 feet						
									Very Poor recovery - 2 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 190
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--1.5				
	1.5												
									1.5--2				
	1.5					Brown	Clay		13SB1900102				
	5					Black	Oxide Stains		12:59				
									Just off railroad bed				
	5					Brown	Clay						
	6					White	Sand Stone		5--6				
									13SB1900506				
							Refusal at 6 feet		12:59				
									Recovered 3.5 of 5 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 191
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--1				
	1												
									1--2				
	1					Brown	Silty Clay (very moist)		13SB1910102				
	2								12:15				
	2					Brown	Bed Rock		3--4				
	3					White	Sand Stone		13SB1910304				
									12:15				
	4						Refusal at 4 feet						
									Recovered 3 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 192
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--0.5				
	0.5												
									0.5--2				
	0.5					Brown	Clay		13SB1920002				
	4.5								12:05				
	4.5								4--5				
	5					White	Sand Stone and Bed Rock		13SB1920405				
									12:05				
							Refusal at 4 feet		Duplicate FD060310-01				
									Recovered 4 feet				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 193
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Gravel Fill Material		0--0.5				
	0.5												
									1--2				
	0.5					Brown	Clay		13SB1930102				
	4								11:56				
	4					Brown and White			3--4				
	5						Sand Stone		13SB1930304				
									11:56				
							Refusal at 4' 11"		Duplicate FD060310-03				
									good recovery				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 194
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top Soil with some clay and gravel fill		0--0.5				
	0.5												
									0.5--2				
	0.5					Brown	Silty Clay		13SB1940002				
	4								11:49				
	4					Brown and White			4--5				
	5						Sand Stone		13SB1940405				
									11:49				
							Refusal at 5 feet						

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 195
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	MATERIAL DESCRIPTION: Color	MATERIAL DESCRIPTION: Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top Soil		0--0.5				
	0.5												
									1--2				
	0.5					Brown	Clay (Dark)		13SB1950102				
	1								11:40				
	1					Brown	Silty Clay						
	4								4--5				
						Brown and White	Sand Stone		13SB1950405				
	4								11:40				
	5						Refusal at 5 feet						
									Good Recovery				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: EFS
DRILLING RIG: GeoProbe 662

BORING No.: 13 SB 196
DATE: 6/3/2010
GEOLOGIST: G. Ten Eyck
DRILLER: Alan Thomas

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0						Top Soil		0--0.5				
	0.5												
									1--2				
	0.5					Dark Brown	Silty Clay		13SB1960102				
	1.5								11:30				
	2					Brown	Clay		3--4				
	4								13SB1960304				
									11:30				
							Refusal at 4 feet						
									Off Road				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): ____

Remarks: Collected at Building 171

Converted to Well: Yes ____ No ____ Well I.D. #: ____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 197
DATE: 6/22/2010
GEOLOGIST: B. Collins
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orangish brown with white specks			Augered down to				
	2						silty clay		about 1' 8"				
									10:55				
									13SB1970002				
									Boring located 6' 5" from water valve cover and 13' 5" from 13SB170 *Did not take GPS point				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 198
DATE: 6/22/2010
GEOLOGIST: B. Collins
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orangish brown with white speckles			Augered down 1' 8"				
	2						loose silty clay						
									11:10				
									13SB1980002				
									Boring located 13' 3" from water valve cover and 33' 7" from 13SB170 *Did not take GPS point				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

Page ___ of ___

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 199
DATE: 6/22/2010
GEOLOGIST: B. Collins
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					Orangish brown with white speckles			Augered down to 1' 8"				
	2						silty clay (loose)						
									11:20				
									13SB1990002				
									Boring located 19' 1" from 13SB171and 28' 3" from water valve cover *Did not take GPS point				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 200
DATE: 6/22/2010
GEOLOGIST: B. Collins
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					brownish	silty clay with roots						
	0.5								Augered down to 1' 8"				
	0.5					orange with white			11:28				
	2						very clayey		13SB2000002				
									Boring located 11'10" from 13SB170 and 9'7" from 13SB174 *Did not take GPS point				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm):

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: SWMU 13
PROJECT NUMBER: 112G00041
DRILLING COMPANY: N/A
DRILLING RIG: N/A

BORING No.: 13 SB 201
DATE: 6/22/2010
GEOLOGIST: B. Collins
DRILLER: Hand Auger

Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
	0					brown	silty clay with roots						
	0.5								Augered down to 1' 8"				
	0.5					orange with white			11:38				
	2						very clayey		13SB2010002				
									Boring located 10'0" from 13SB174 and 11'10" from 13SB173 and 14'10" from water valve cover				

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: Collected at Building 171

Drilling Area Background (ppm): ____

Converted to Well: Yes _____ No _____ Well I.D. #: _____

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW126
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:15	0-6 inches	Light Brown	fine sand with clay and some pebbles
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Result=0.41			
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW127
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:25	0-6 inches	Light Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Result=0.24			
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW128
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:30	0-6 inches	Light Brown	fine sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Result=0.041			
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW129
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:45	0-6 inches	Light Brown	clay with sand and pieces of bed rock
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Result=15			
PCB Test Kit Results = 2.4			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW130
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:55	0-6 inches	Light Brown	fine sand with clay and silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Test Kit Results = 11			
Not sent to lab because of high test kit result			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW131
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	16:55	0-6 inches	Light Brown	clay with silt and clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
PCB Test Kit Results = ND			
Lab Results= 0.017 J			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW132
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:00	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
PCB Test Kit Results = ND			
lab Results=ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW133
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:10	0-6 inches	Light Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
PCB Test Kit Results = ND			
Lab Results=ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW134
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:20	0-6 inches	Brown	silt with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
PCB Test Kit Results = ND			
Lab Results=0.012 J			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW135
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:20	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
PCB Test Kit Results = ND			
Lab Results=ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW136
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:45	0-6 inches	Light Brown	sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
Not sent to lab because of test kit result			
PCB Test Kit Results = 52			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs
Wall was excavated because of high test kit result

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW137
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	17:45	0-6 inches	Light Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Results=0.4			
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW138
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/8/2010	18:00	0-6 inches	Light Brown	clay with 50% silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	4 oz glass		
Results=1.8			
PCB Test Kit Results = 1.4			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF092
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:30	0-6 inches	Light Brown	Clay with some sand
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.2	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Floor Sampled was 2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF093
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:20	0-6 inches	Light Brown	Clay with Silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=1.3	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Floor Sampled was 2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW139
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:25	0-6 inches	Light Brown	fine sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW140
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:15	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW141
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	17:10	0-6 inches	Brown	silty sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.026 J	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW142
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:45	0-6 inches	Dark Brown	sand with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW143
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:10	0-6 inches	Light Brown	clay with 25% fine sand and silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.35 J	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW144
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:00	0-6 inches	Light Brown	clay with some silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW145
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	13:50	0-6 inches	Light Brown	silty clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.52	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW146
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	10:40	0-6 inches	Light Brown	sand and trace clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.2	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 4-6 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW147
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	10:55	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW148
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:10	0-6 inches	Light Brown	clay with some silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-6 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW149
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:25	0-6 inches	Light Brown	clay with 50% sand and silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Area was excavated (not because of this sample, though).

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW150
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:40	0-6 inches	Light Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-6 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW151
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	13:50	0-6 inches	Brown	fine sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.29 J	4 oz glass		
PCB Test Kit Results = 2 ppm			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Area was excavated (but not because of this sample).

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.: FD 070910-01

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW152
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:00	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.028 J	4 oz glass		
PCB Test Kit Results = 20 ppm			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Area excavated but not because of this sample.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW153
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:00	0-6 inches	Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=6.5	4 oz glass		
PCB Test Kit Results = 6.5 ppm			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Further excavation completed here.

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW154
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	17:05	0-6 inches	Brown	sand with some clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=4.4	4 oz glass		
PCB Test Kit Results = 3 ppm			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW155
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:52	0-6 inches	Light Brown	fine sand with trace clay and bed rock
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=38	4 oz glass		
PCB Test Kit Results = 9.3			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs
Further excavation completed here

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW156
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:55	0-6 inches	Light Brown	sand with clay and some bed rock
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.011 J	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW157
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:25	0-6 inches	Light Brown	clay and < 25 silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW158
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	14:10	0-6 inches	Light Brown	clay with silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.11 J	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW159
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	11:50	0-6 inches	Light Brown	sand with some clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.0092 J	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 3-7 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW160
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:24	0-6 inches	Light Brown	sand with clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = NA			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW161
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/9/2010	16:20	0-6 inches	Light Brown	fine sand with some clay
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=ND	4 oz glass		
PCB Test Kit Results = ND			

OBSERVATIONS / NOTES:

Wall Sampled was 2-4 feet bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW162
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/10/2010	9:45	0-6 inches	Brown	clay with 50% silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=2	4 oz glass		
PCB Test Kit Results = NA			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Further excavation completed here

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.: FD 071010-01

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: SWMU 13
Project No.: 112G00041

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW163
Sample Location: Area 2A
Sampled By: George Ten Eyck / Todd Cheek
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/10/2010	9:55	0-6 inches	Brown	clay with 40-50% silt
Method:				
Disposable Trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PCB Lab Analysis=0.22	4 oz glass		
PCB Test Kit Results = NA			

OBSERVATIONS / NOTES:

Wall Sampled was 0-2 feet bgs
Further excavation completed here (but not because of this sample)

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCF094
Sample Location: Area 2A
Sampled By: George Ten Eyck
C.O.C. No.: 0002

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/14/2010	14:35	0-6 inches		
Method:				
disposable trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
Result=0.15				
PCB Test Kit analysis=ND				

OBSERVATIONS / NOTES:

Floor sample collected at 2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW164
Sample Location: Area 2A
Sampled By: George Ten Eyck
C.O.C. No.: 0002

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method:			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/14/2010	14:15	0-6 inches		
Method:				
disposable trowel				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

	Analysis	Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
Result=0.011 J				
PCB Test Kit analysis=ND				

OBSERVATIONS / NOTES:

Wall sample collected at 0-2 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NSA Crane SWMU 13
Project No.: 112G01573

[x] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: 13SOCW165
Sample Location: Area 2A
Sampled By: J. Taylor
C.O.C. No.: Not numbered

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time:			
Method: Disposable Trowel			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
7/19/2010	14:10	0-6 inches		
Method:				
Monitor Readings				
(Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis		Container Requirements	Collected	Other
PCB Lab Analysis	PCBs SW-846 8082	Glass	YES	
Result=2.0				

OBSERVATIONS / NOTES:

Wall sample collected at 3-7 ft bgs

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX E

TETRA TECH'S FIELD LOGBOOK

November 5th, 2008 Crane SWMU 13 Sampling Event

Personnel

- Jim Goerdt, John Floyd and Betsy Collins

Samples Collected

- Collected 16 verification soil samples on November 5th, 2008
- 3 floor samples and 13 wall samples, all from the Building 166 excavation area (see attached sketch).
- Floors: 13SOCF001A, 13SOCF002A, 13SOCF003A
- Walls: 13SOCW001A through 13SOCW013A
- Duplicate FD11050801 is from 13SOCF003A

GPS Points Taken?

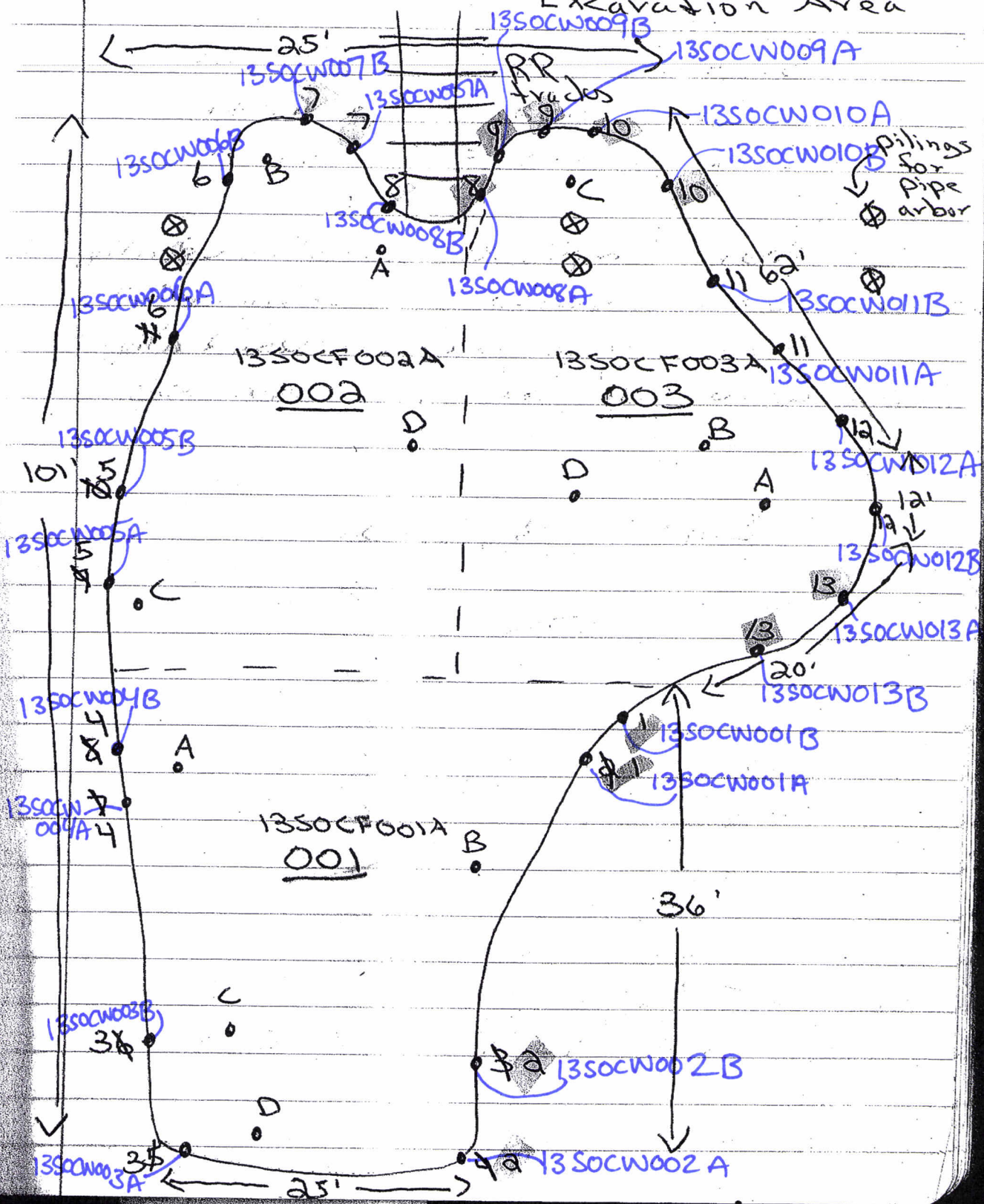
- Yes

Test Kits

- Test kits were completed for all 16 samples and 1 duplicate
- The 3 floor samples came back below the clean-up goal (25 ppm for floors) and were sent to the lab for verification.
- 11 out of the 13 wall samples came back at or above the clean-up goal (1 ppm for walls). 8 of the 13 samples were sent to the lab for verification.
- See attached excel spreadsheet for test kit results

11-5-08

Swmu 13
Bldg 166
Excavation Area



Summary of November 12th, 2008 Crane SWMU 13 Sampling Event

Personnel

- John Floyd and Betsy Collins

Samples Collected

- Collected 14 verification soil samples on November 12th, 2008
- Building 171 area
  - 5 floor samples, 8 wall samples
  - Floors: 13SOCF004A through 13SOCF008A
  - Walls: 13SOCW014A through 13SOCW021A
- Building 171 east drainage channel
  - 1 drainage channel sample collected
  - 13SOCD001A **this sample was taken incorrectly. The drainage channel was sampled during the next sampling event. Results for this sample are still included in this packet.
- Duplicate FD11120801 came from sample 13SOCD001A

GPS Points Taken?

- Yes

Test Kits

- Test kits were completed for all 14 samples and 1 duplicate.
- 4 out of 5 floor samples came back below the clean-up goal (25 ppm for floors).
- 4 out of the 8 wall samples came back below the clean-up goal (1 ppm for walls).
- The drainage channel sample came back above the clean-up goal (1 ppm for drainage channels).

Sent to Lab

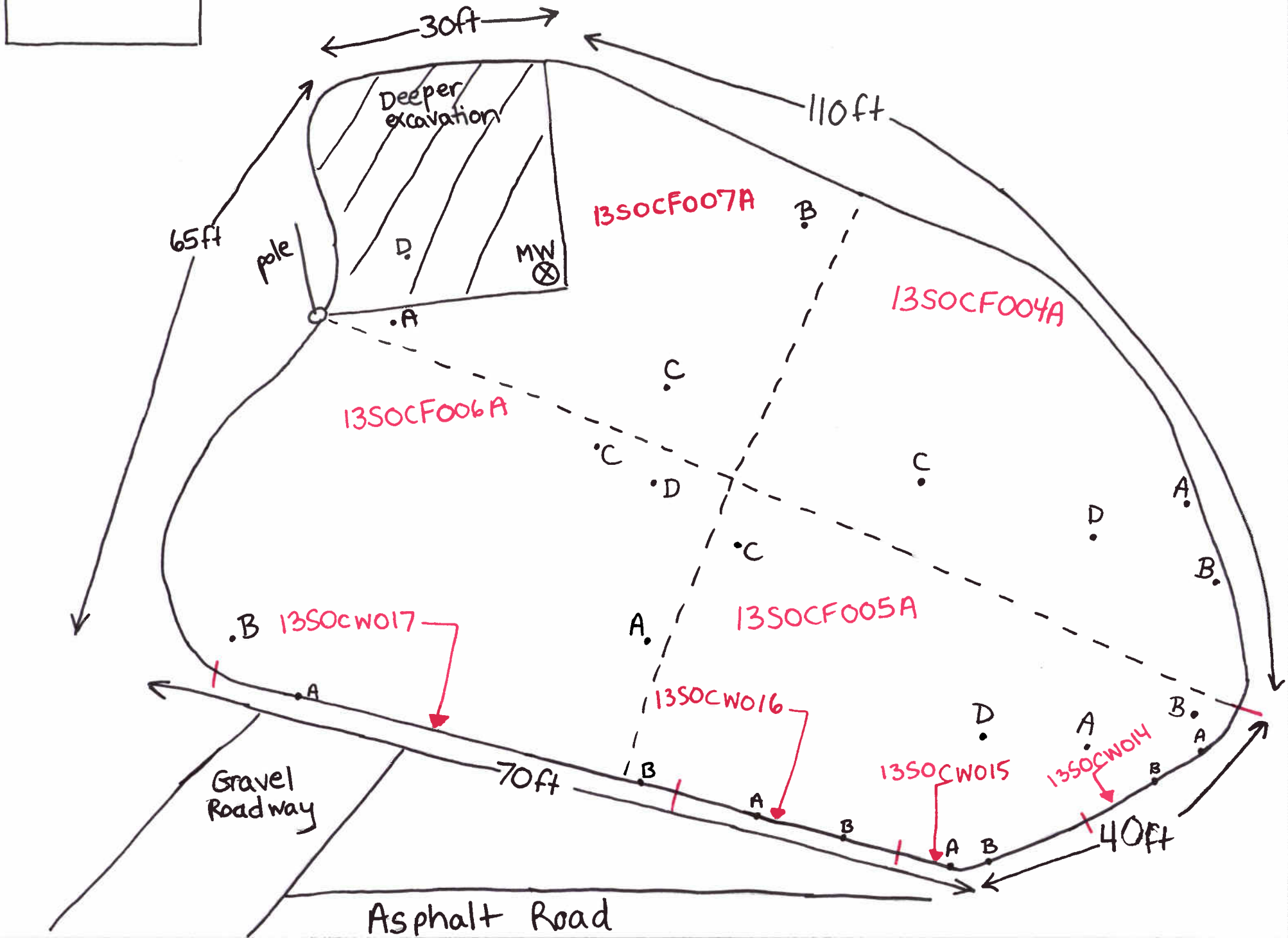
- 13 verification samples and 1 duplicate were sent to the lab.
  - 5 floor samples, 7 wall samples, 1 drainage channel sample and 1 duplicate.
  - 1 wall sample from Bldg 171, 13SOCW015A, was not sent to the lab

Samples from Excavation of TSCA material from Bldg. 171

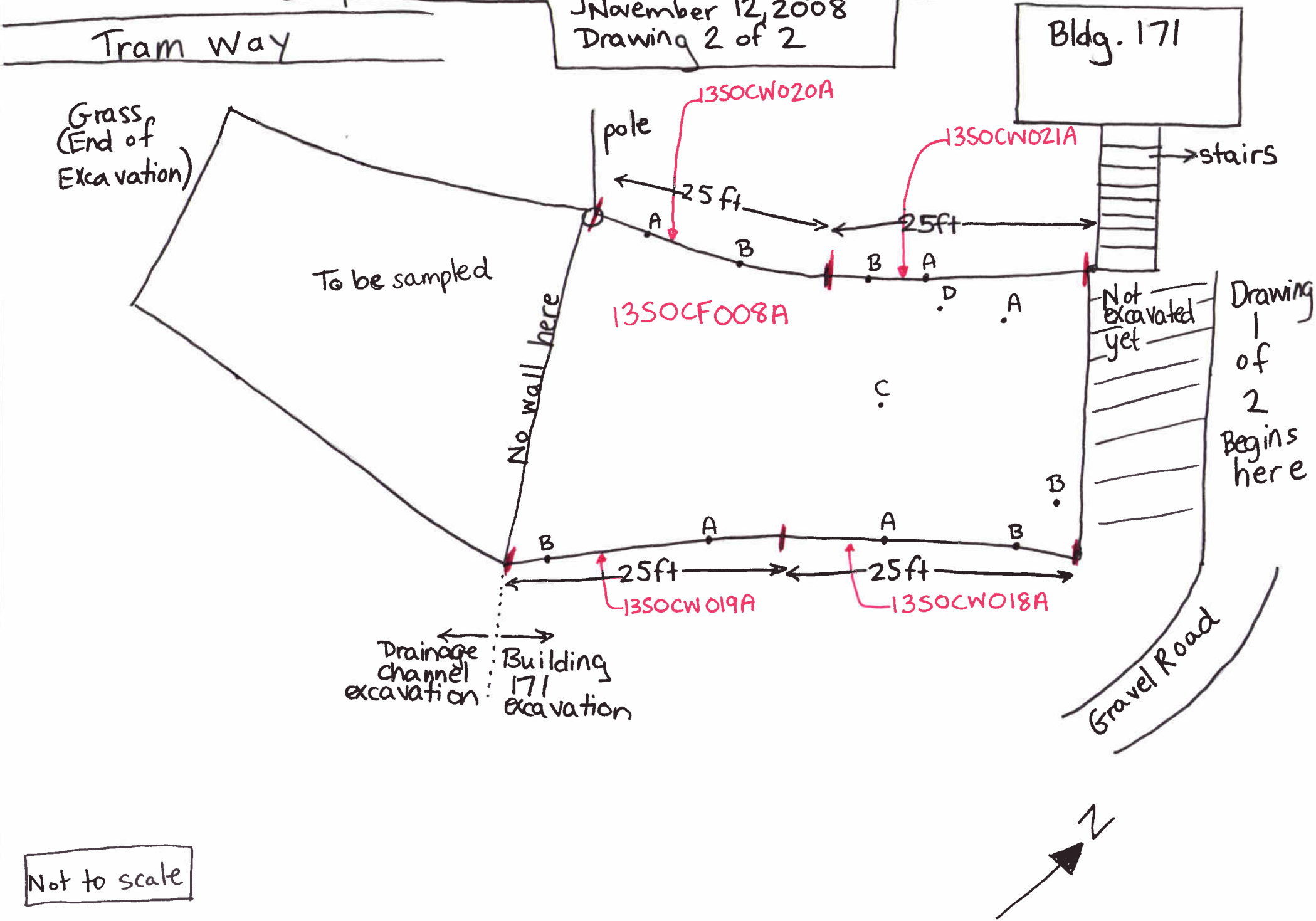
November 12, 2008

Drawing 1 of 2

Not to scale



Samples from Building 171 and Drainage Channel Excavation
November 12, 2008
Drawing 2 of 2



Summary of November 20, 2008 Crane SWMU 13 Sampling Event

Personnel

- John Floyd and Betsy Collins

Samples Collected

- Collected 15 verification soil samples and 2 sump samples on November 20, 2008
- Drainage Channel behind Bldg 169: 3 floor samples and 2 wall samples
    - 13SOCF013A through 13SOCF015A; 13SOCW028A and 13SOCW029A
- Drainage Channel near Bldg 171: 3 floor samples and 2 wall samples
    - 13SOCF009A through 13SOCF011A; 13SOCW022A and 13SOCW023A
- Bldg 171 excavation: 1 floor and 4 wall samples
    - 13SOCF012A; 13SOCW024A through 13SOCW027A
- Bldg 171 sump
    - 2 sediment samples

GPS Points Taken?

- Yes

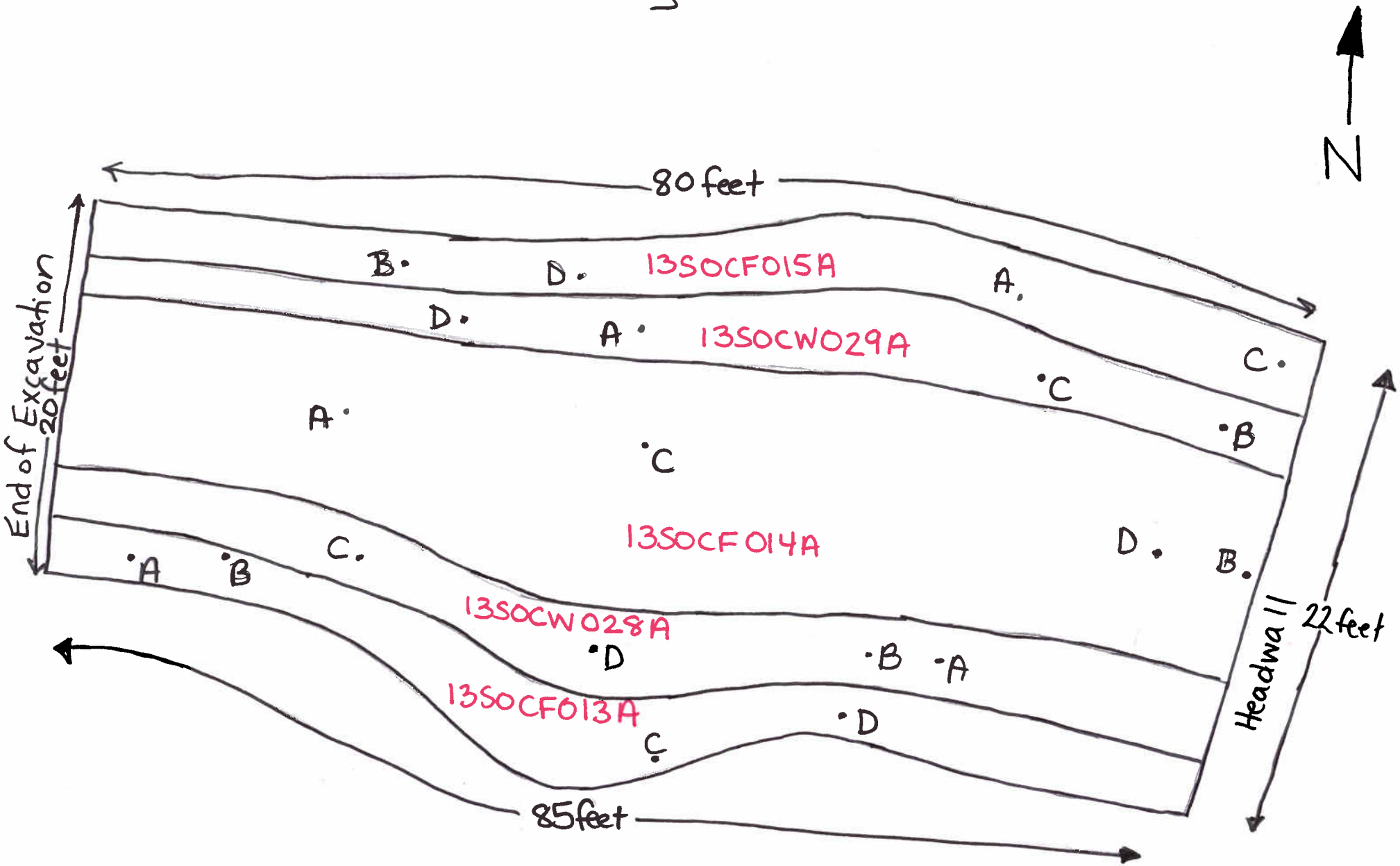
Test Kits

- Test kits were completed for the 15 soil samples (not the 2 sump samples).
- Drainage Channel behind Bldg 169:
    - All 3 floor samples and all 2 wall samples came back below clean-up goal
- Drainage channel near Bldg 171:
    - 2 out of 3 floors came back above clean-up goal and 1 out of 2 walls came back above clean-up goal.
- Bldg 171 Excavation:
    - The 1 floor sample and all 4 walls came back below clean-up goal.

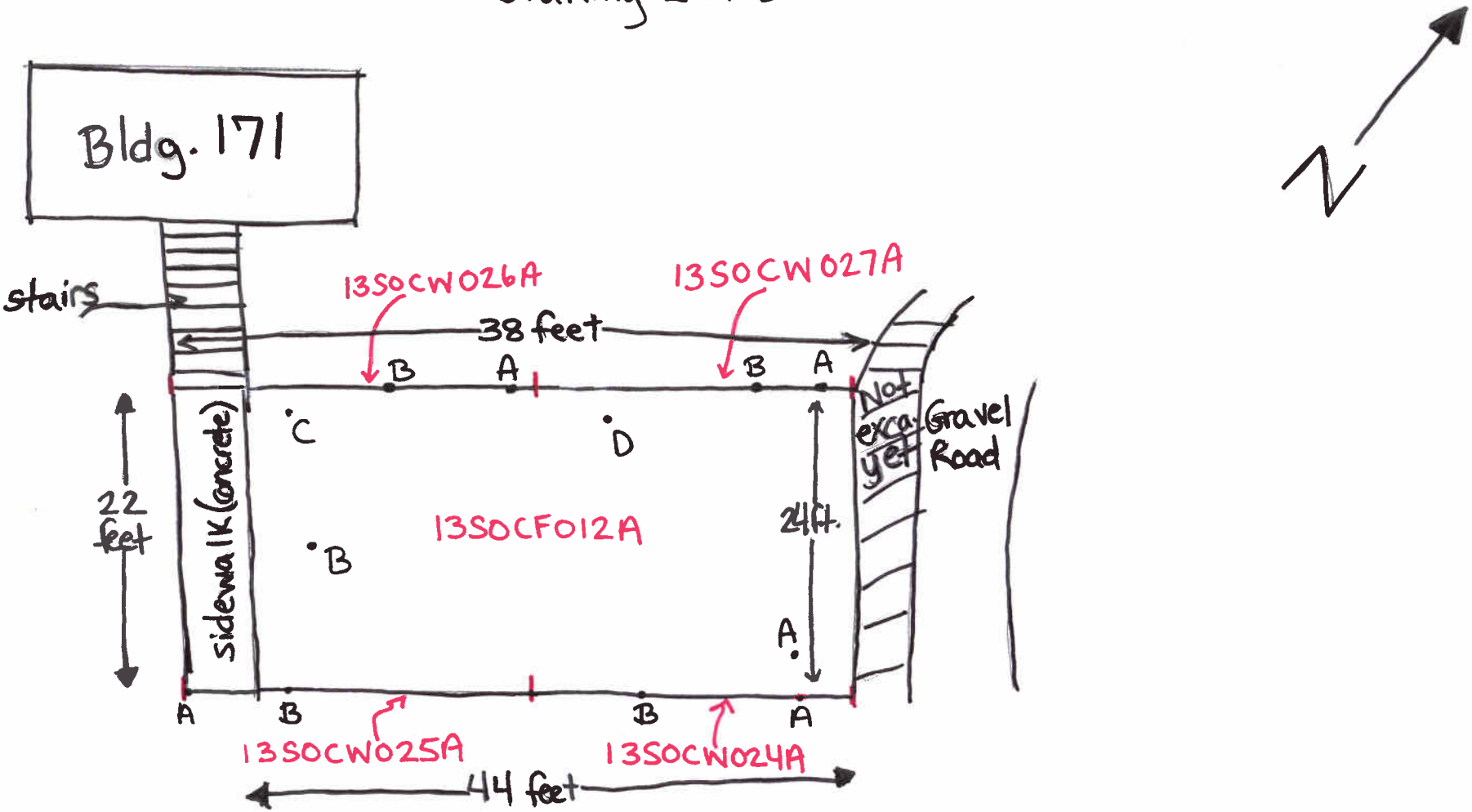
Samples Sent to Lab

- 19 verification soil samples, 2 sump samples and 2 duplicates were sent to the lab
- Drainage channel behind Bldg 169: 5 samples sent to the lab
- Drainage channel near Bldg 171: 9 samples sent to the lab
    - Floor samples: 13SOCF009A, Aliquots BA and CA from 13SOCF010A, and 13SOCF011A were sent to the lab
    - Wall samples: 13SOCW023A and all 4 aliquots of 13SOCW022A were sent to the lab.
- Bldg 171 Excavation: All 5 samples sent to the lab
- The 2 sump samples were sent to the lab and analyzed for both PCBs and explosives.
- Duplicates: FD11200801=13SOCF013A; FD11120802=13SOCF009A

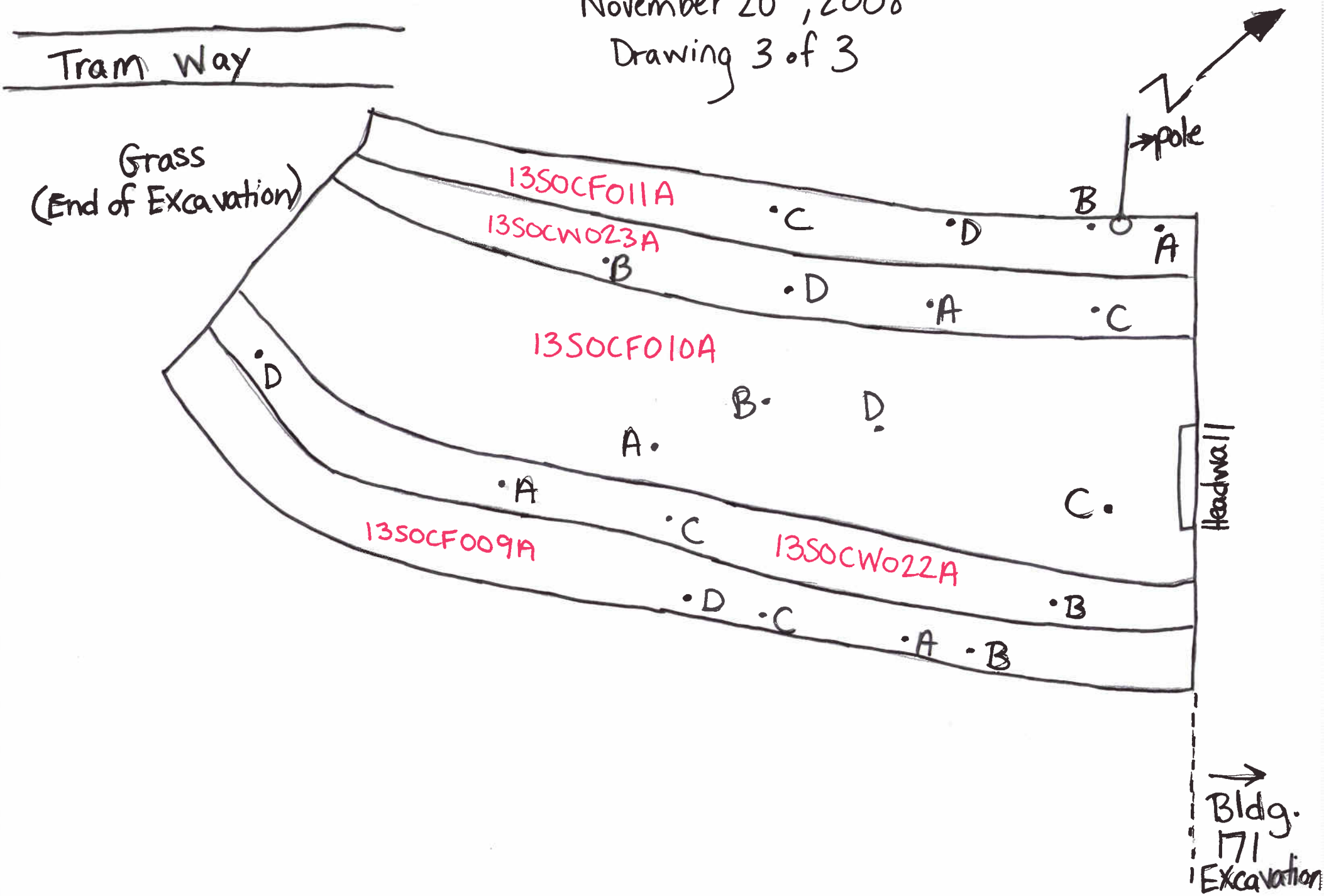
Samples from Drainage Channel Excavation Behind Bldg. 169
November 20th, 2008
Drawing 1 of 3



Samples from Bldg. 171 Excavation
November 20th, 2008
Drawing 2 of 3



Samples from Bldg. 171 Drainage Channel Excavation
November 20th, 2008
Drawing 3 of 3



December 3, 4, and 5, 2008 Crane SWMU 13 Sampling Event

Personnel

- Jim Goerdt (for last 2 days) John Floyd and Betsy Collins

Samples Collected

- Collected 24 verification soil samples and 9 wipe samples December 3-5, 2008.
- 9 wipe samples from trenches in Bldg 171: 13WP001 through 13WP009.
- Bldg 166 Excavation: 3 floor and 7 wall samples
    - 13SOCF016B, 13SOCF017A, 13SOCF026B, 13SOCW030A through 13SOCW032A, 13SOCW039A through 13SOCW042A.
- Bldg 171 excavation: 8 floor and 6 wall samples
    - 13SOCF018A through 13SOCF024A, 13SOCF025B, 13SOCW033A through 13SOCW038A.

GPS Points Taken?

- Yes

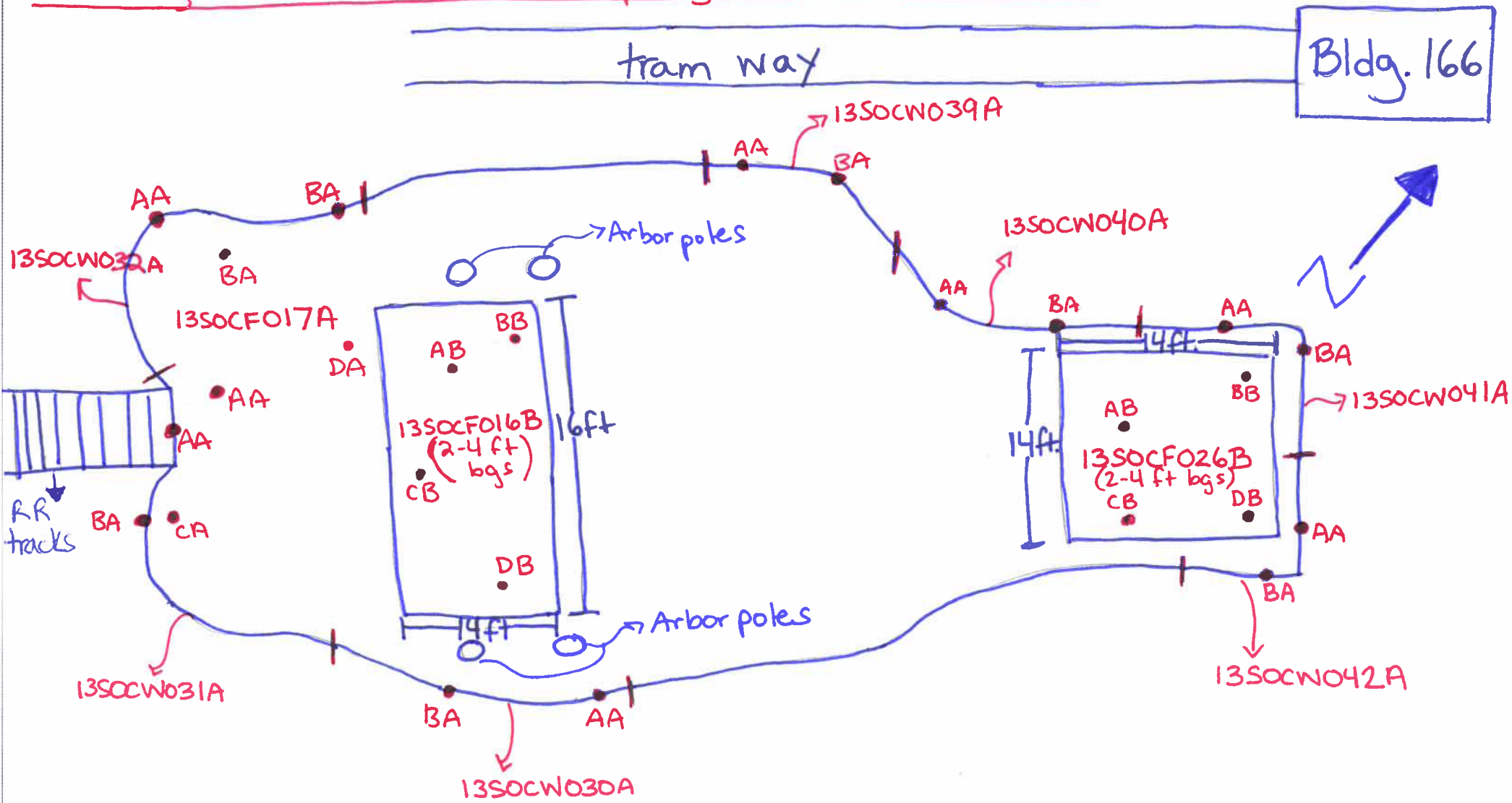
Test Kits

- Test kits were completed for the 24 soil samples (not the wipe samples).
- Bldg 166 Excavation:
    - All 3 floor samples came back below the clean-up goal.
    - 3 out of the 7 wall samples came back above the clean-up goal.
- Bldg 171 Excavation:
    - 7 out of 8 floor samples came back below the clean-up goal.
    - 4 out of 6 wall samples came back below the clean-up goal.

Samples Sent to the Lab

- A total of 20 verification soil samples, 9 wipe samples and 1 duplicate were sent to the lab (for a total of 30 samples sent to the lab).
- Bldg 166 Excavation: 8 samples sent to the lab
    - All 3 floor samples and 5 out of 7 wall samples were sent to the lab.
- Bldg 171 Excavation: 12 samples sent to the lab
    - 8 of the 8 floor samples were sent to the lab
        - 13SOCF023A was sent to the lab the next sampling event because of concerns it was greater than 50 ppm
    - 4 of the 6 wall samples were sent to the lab
- 9 wipe samples were sent to the lab
- Duplicate: FD12050801=13SOCF026B

Building 166 Confirmation Sampling – December 3rd and 5th, 2008 Drawing 1 of 2

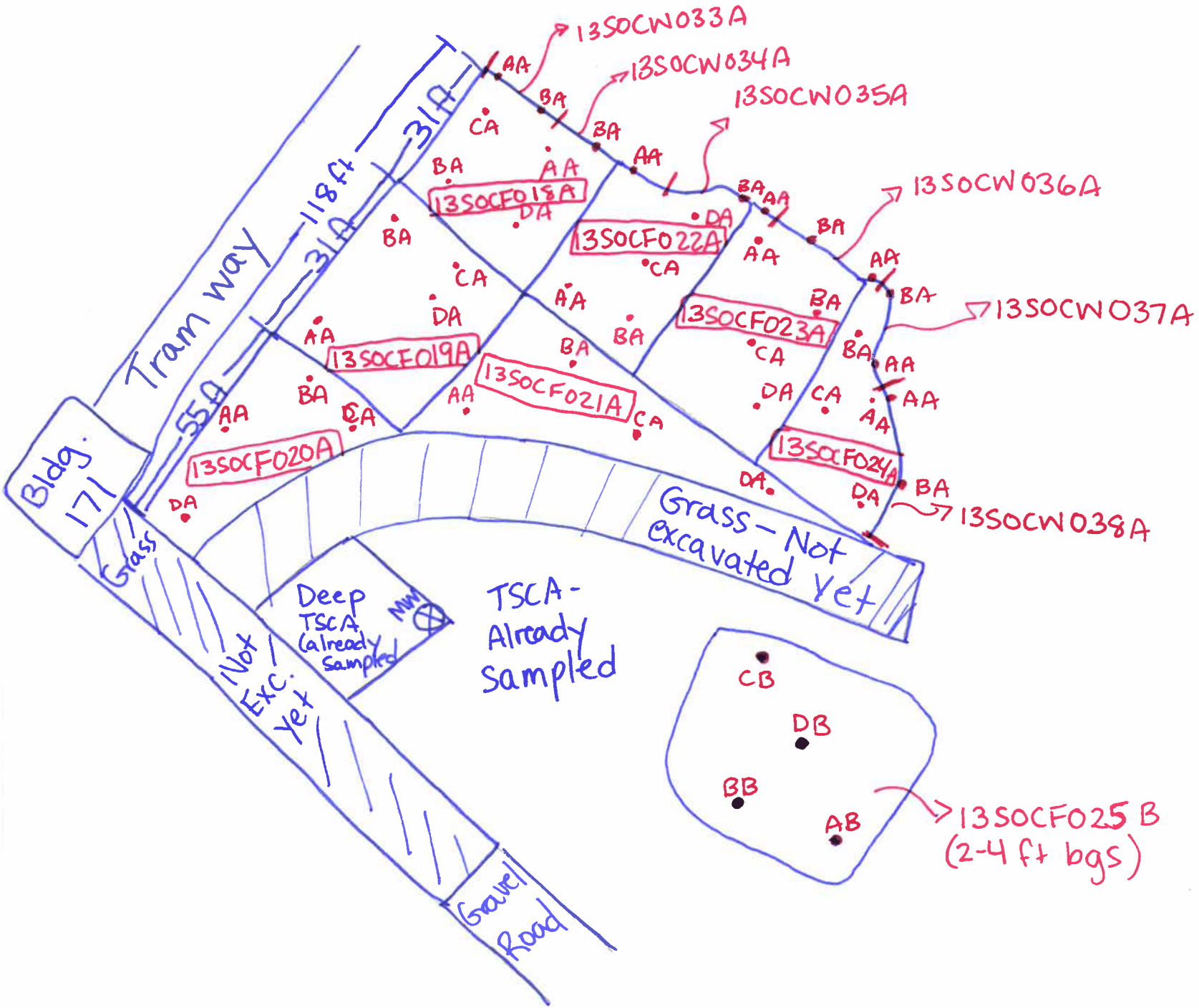


NTS

Building 171 Confirmation sampling – December 4th, 2008

Drawing 2 of 2

NTS



Summary of December 18th, 2008 Crane SWMU 13 Sampling Event

Personnel

- Jim Goerdt and Preston Smith

Samples Collected

- Collected 7 verification soil samples (via hand auger). See attached map for samples collected-they are green dots circled in yellow. Samples collected on Dec 3-5 are also shown on this map.
- Bldg 166 Excavation: 3 wall samples (hand auger)
    - 13SOCW043A through 13SOCW045A.
- Bldg 171 excavation: 4 wall samples (hand auger)
    - 13SOCW046A through 13SOCW049A

GPS Points Taken?

- Yes

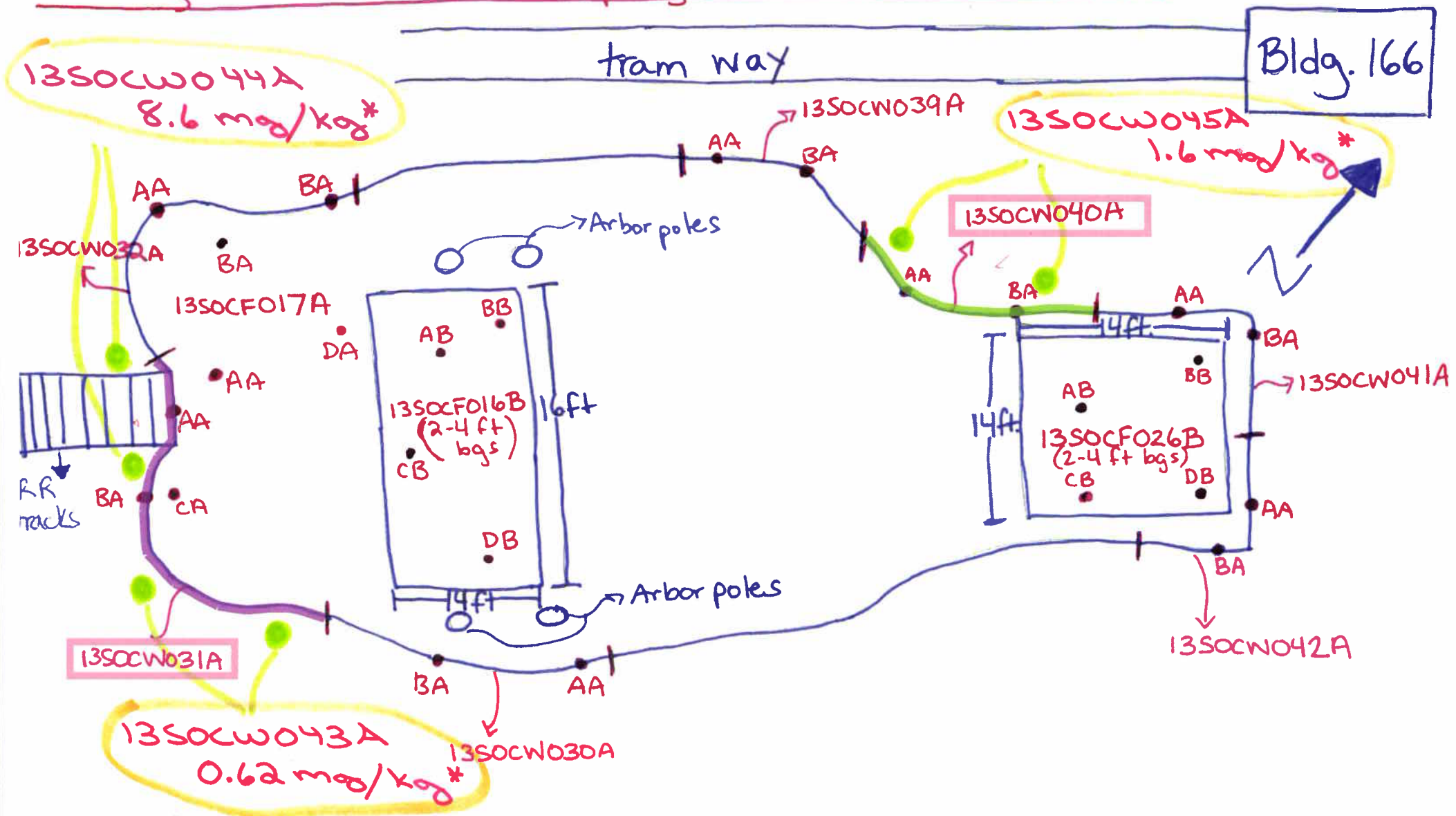
Test Kits

- Test kits were not done for these samples (all were sent to the lab).

Lab Results

- A total of 7 verification samples were sent to the lab.
- Bldg 166 Excavation: 3 samples sent to the lab
- Bldg 171 Excavation: 4 samples sent to the lab.
- No duplicates sent to the lab for SWMU 13 for this date.

Building 166 Confirmation Sampling – December 5th and 5th, 2008 Drawing 1 of 21



Excavate an additional 2' wide by 2' deep

Excavate an addition 1' wide by 2' deep

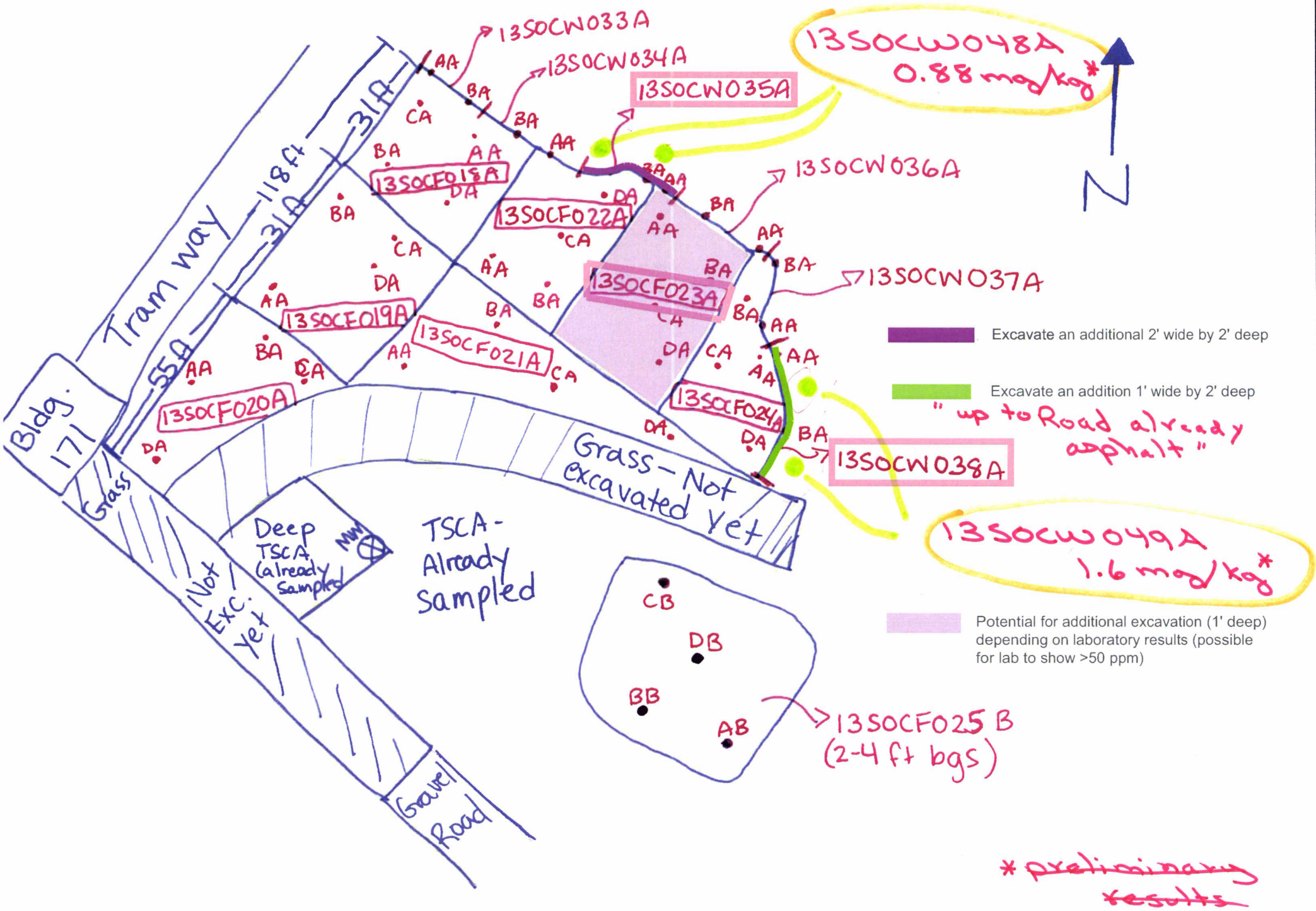
~~*preliminary results~~

NTS

Building 171 Confirmation sampling - December 4th, 2008

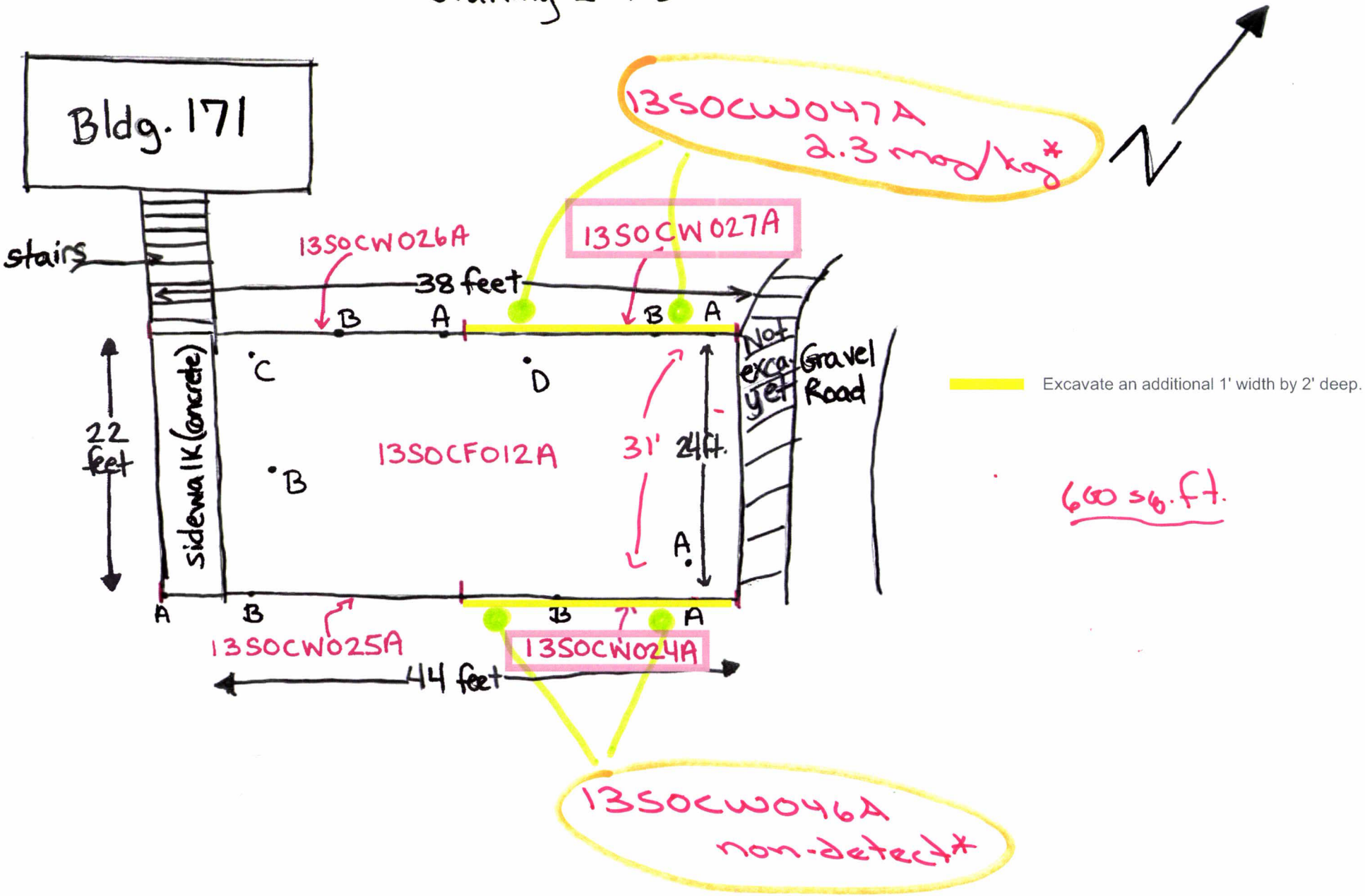
Drawing 2 of 2

NTS



* ~~preliminary results~~

Samples from Bldg. 171 Excavation
November 20th, 2008
Drawing 2 of 3



*~~preliminary results~~

December 22 and 23, 2008 Crane SWMU 13 Sampling Event

Personnel

- John Floyd

Samples Collected

- Collected 3 verification soil samples on December 22 and 23, 2008.
- Bldg 171 excavation: total of 3 floor samples collected for SWMU 13. See attached map.
    - 13SOCF027B, 13SOCF028A and 13SOCF029A

GPS Points Taken?

- No (locations were approximated from field drawings).

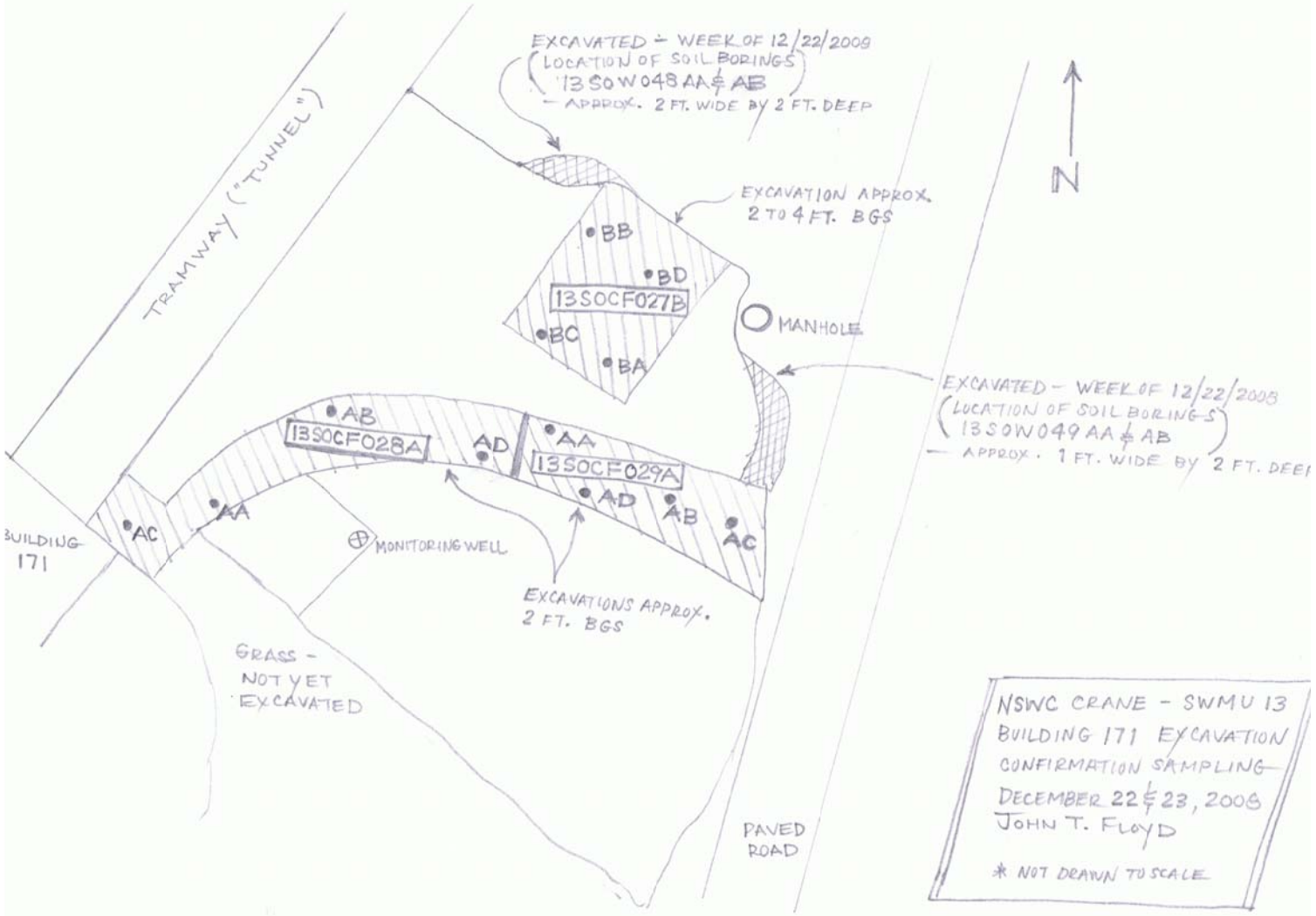
Test Kits

- Test kits were not done for these samples (all were sent to the lab).

Lab Results

- All 3 samples collected were sent to the lab.
- No duplicates sent to the lab for this date.

NSWC CRANE — SWMU 13 — BUILDING 171



NSWC CRANE – SWMU 13
BUILDING 171 EXCAVATION
CONFIRMATION SAMPLING
DECEMBER 22 & 23, 2008
JOHN T. FLOYD

* NOT DRAWN TO SCALE

December 30, 2008 Crane SWMU 13 Sampling Event

Personnel

- John Floyd

Samples Collected

- Collected 5 verification soil samples on December 30, 2008.
- Bldg 171 excavation: 1 wall sample (13SOCW052A) and 1 floor sample (13SOCF030A).
- Bldg 171 east drainage channel: 2 wall samples, 13SOCW050B and 13SOCW051B (51B had only aliquots AB and BB).
- Bldg 166 excavation: 1 wall sample, 13SOCW053A, collected via hand auger

GPS Points Taken?

- No (locations were approximated from field drawings)

Test Kits

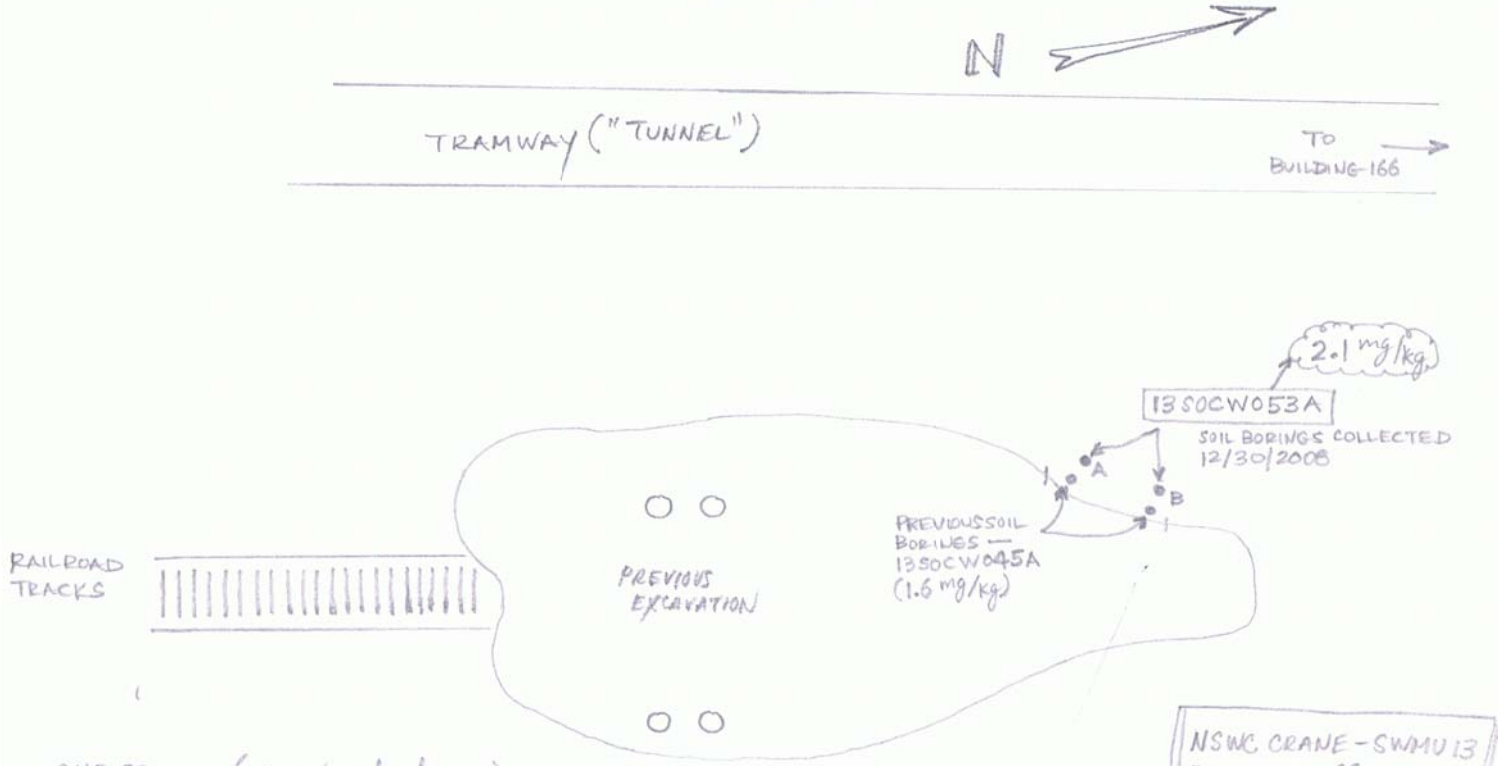
- Test kits were not done for these samples (all were sent to the lab).

Lab Results

- All 5 verification samples collected were sent to the lab.
- No duplicates sent to the lab for this date.

NSWC CRANE – SWMU 13 – BUILDING 166

DECEMBER 30, 2008



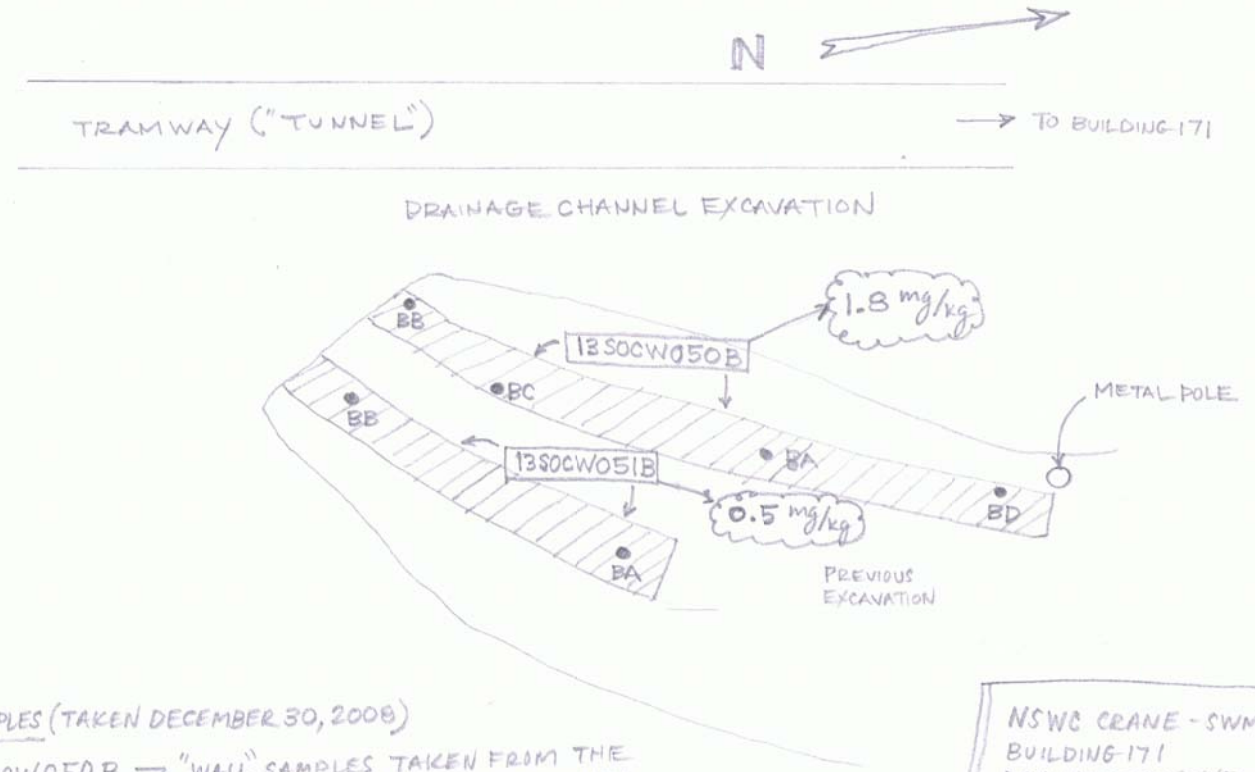
NSWC CRANE – SWMU 13
BUILDING 166
CONFIRMATION SAMPLING
JOHN T. FLOYD
* NOT DRAWN TO SCALE

ONE SAMPLE (TAKEN 12/30/2008)

(1) 13S0CW053A (2.1 mg/kg) – SOIL BORING ON NORTHWEST CORNER OF BUILDING 166 AREA EXCAVATION – APPROXIMATELY 2 FEET BACK FROM PREVIOUS SOIL BORINGS (~4 FEET FROM EXCAVATION)

NSWC CRANE — SWMU 13 — BUILDING 171

DECEMBER 30, 2008



TWO SAMPLES (TAKEN DECEMBER 30, 2008)

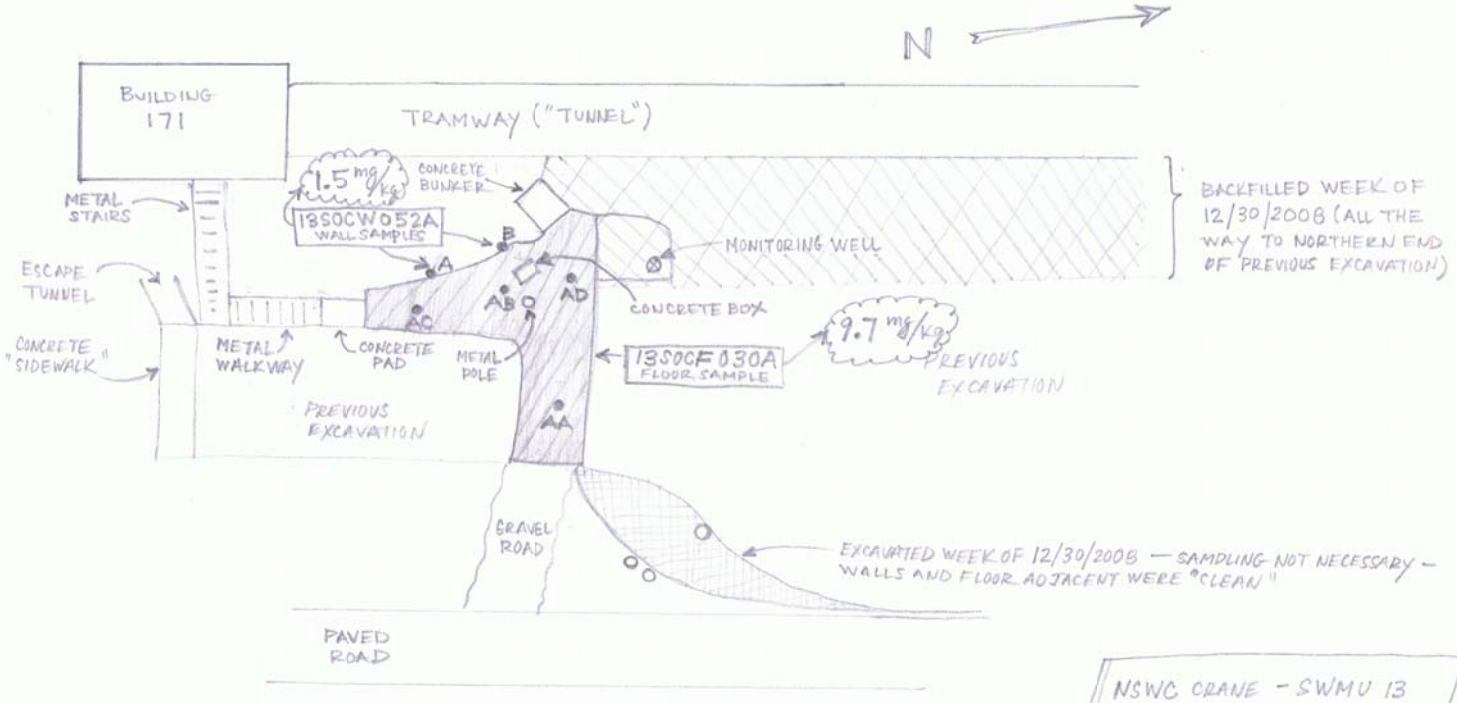
8 mg/kg 1) 13SOCW050B
AND
5 mg/kg 2) 13SOCW051B

"WALL" SAMPLES TAKEN FROM THE BUILDING 171 DRAINAGE CHANNEL EXCAVATION AFTER OVEREXCAVATION OF AREAS ABOVE CONTAMINATION LIMITS

NSWC CRANE - SWMU 13
BUILDING 171
DRAINAGE CHANNEL
CONFIRMATION SAMPLING
DECEMBER 30, 2008
JOHN T. FLOYD
* NOT DRAWN TO SCALE

NSWC CRANE – SWMU 13 – BUILDING 171

DECEMBER 30, 2008



TWO SAMPLES (TAKEN DECEMBER 30, 2008):

9.7 mg/kg — (1) 13SOCF030A – FLOOR SAMPLE FROM PREVIOUSLY NOT EXCAVATED AREA BETWEEN BUILDING 171 "MAIN EXCAVATION" AND "RECTANGULAR EXCAVATION" JUST SOUTH OF "MAIN EXCAVATION"

1.5 mg/kg — (2) 13SOCW052A – WALL SAMPLE FROM BUILDING 171 "BERM"

NSWC CRANE – SWMU 13
BUILDING 171 EXCAVATION
CONFIRMATION SAMPLING
DECEMBER 30, 2008
JOHN T. FLOYD

* NOT DRAWN TO SCALE

January 7th, 2009 Crane SWMU 13 Sampling Event

Personnel

- John Floyd and Jim Goerdt

Samples Collected

- Collected 17 verification soil samples on January 7, 2009
- Bldg 171 excavation: Total of 3 samples collected
  - 2 floor samples, 13SO2CF029A and 13SOCF031B, and 1 wall sample, 13SOCW054A.
- Bldg 171 east drainage channel: Total of 9 samples collected
  - 6 floor samples, 13SOCF032B through 13SOCF037B, and 3 wall samples, 13SOCW055B, 13SOCW056B, and 13SOCW057C.
- Bldg 166 excavation: Total of 5 samples collected
  - 5 wall samples, 13SOCW058A through 13SOCW062A, all via hand auger

GPS Points Taken?

- No (locations were approximated from field drawings).

Test Kits

- Test kits were done for all 17 composite samples, plus aliquots of some samples (per Tom Brent's request), for a total of 39 samples tested.
- Bldg 171 Excavation:
  - 2 aliquots of 13SO2CF029A and 4 aliquots of 13SOCF031B were tested and all were below clean-up goal.
  - 13SOCW054A composite tested; it was below clean-up goal.
- Bldg 171 East Drainage Channel:
  - Composite samples of 13SOCF032B, 13SOCF034B, 13SOCW055B and 13SOCW056B were clean
  - Aliquots of 13SOCF035B through 13SOCF037B and 13SOCW057C were tested separately and 13SOF037CB and 13SOW057DC were dirty
  - Composite of 13SOCF033B came back dirty
- Bldg 166 Excavation: 5 tested; 1 sample came back dirty (13SOCW059A).

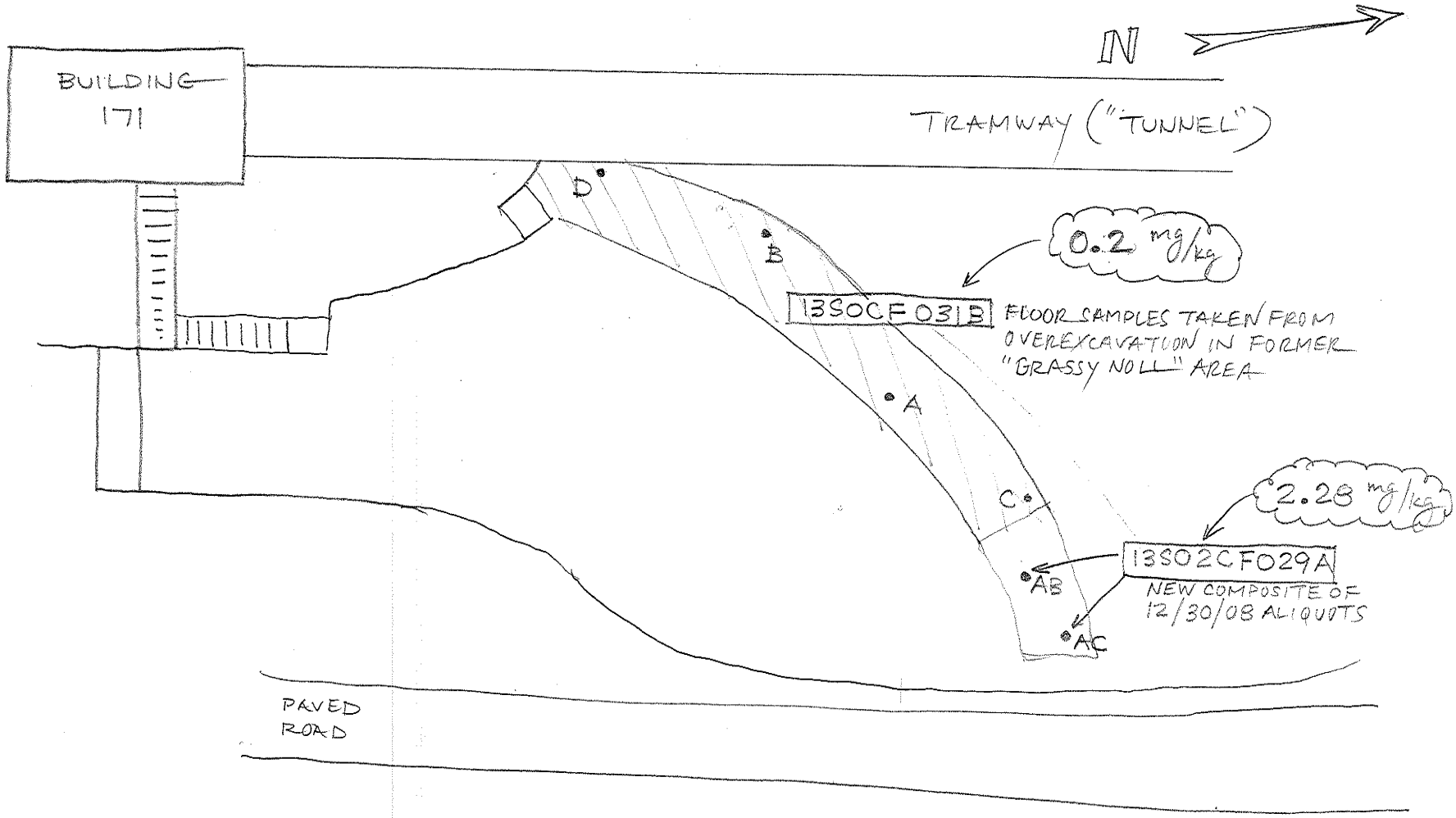
Lab Results

- A total of 13 verification samples and 1 duplicate were sent to the lab.
- Bldg 171 Excavation: 3 out of 3 samples sent to the lab
- Bldg 171 Drainage Channel: 5 out of 6 floor and 2 out of 3 wall sent to lab
- Bldg 166 Excavation: 3 out of 5 sent to the lab. *13SOCW058A and 059A were not sent to the lab because 13SOCW060A was sent to the lab (farthest out).
- Duplicate FD01070901=13SOCW055B

NSWC CRANE – SWMU 13 – BUILDING 171

JANUARY 8, 2009

(RESULTS SHOWN ARE BASED ON TEST KIT RESULTS)

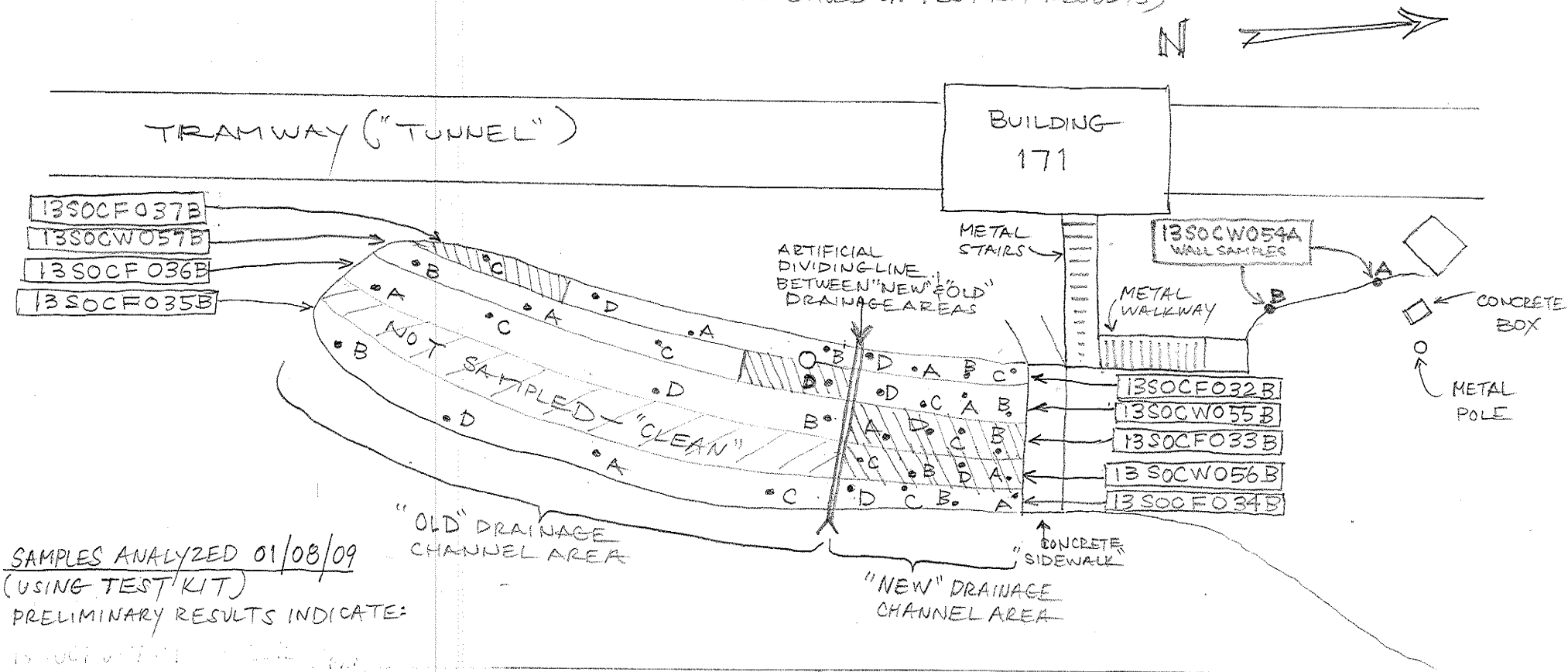


JOHN T. FLOYD

* NOT DRAWN TO SCALE

NSWC CRANE – SWMU 13 – BUILDING 171

JANUARY 8, 2009
(RESULTS SHOWN ARE BASED ON TEST KIT RESULTS)



SAMPLES ANALYZED 01/08/09
(USING TEST KIT)
PRELIMINARY RESULTS INDICATE:

* AREAS FOR REMOVAL CROSS-HATCHED ON MAP (FIRST TWO ARE MARKED W/ WOODEN STAKES AND ORANGE TAPE AT EXCAVATION)

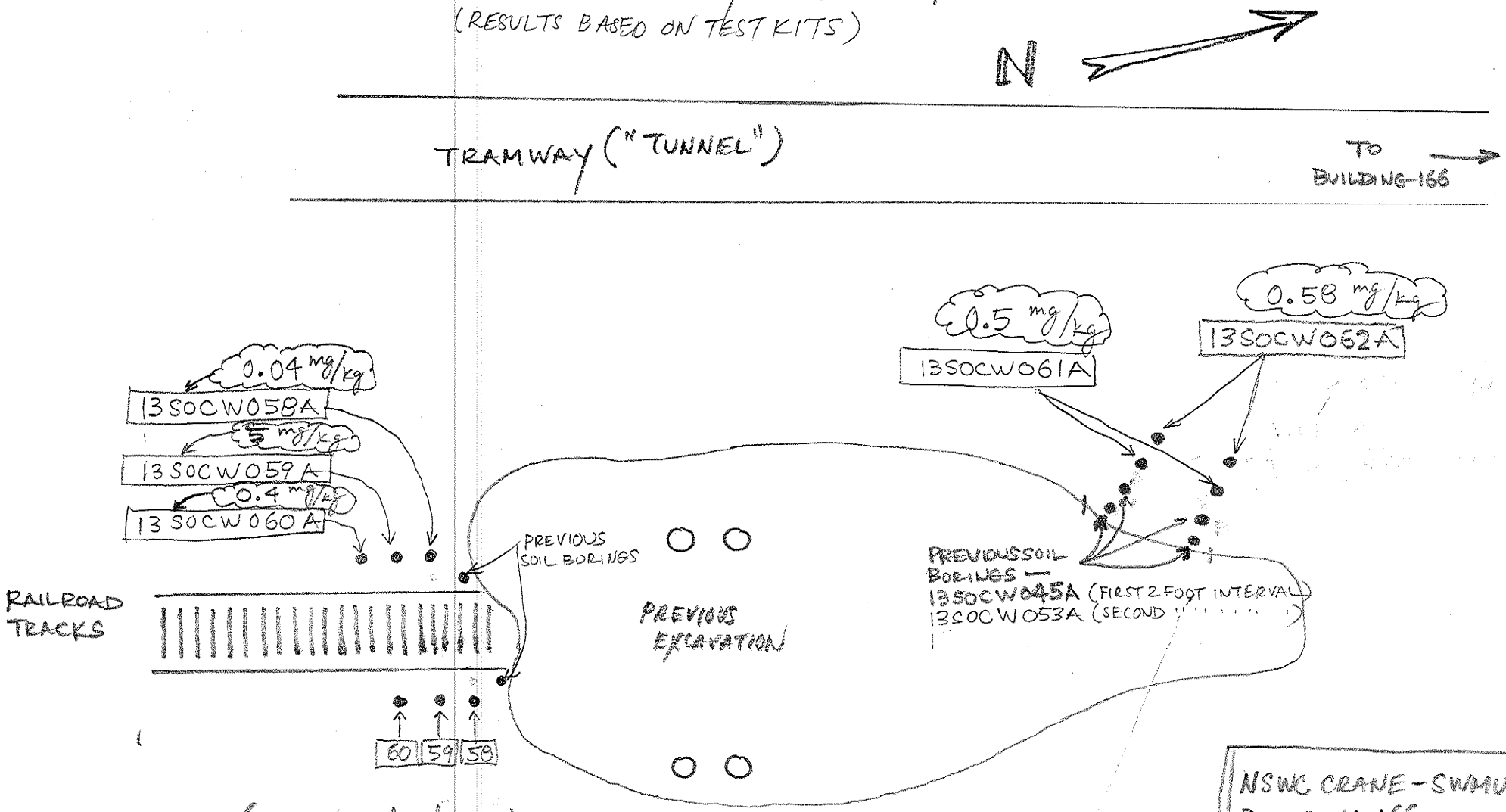
(1) 13SOCW057DB – 2.46 mg/kg
(2) 13SOCF037CB – 2.12 mg/kg
(3) 13SOCF033B – 3.0 mg/kg
(4) 13SOCW056B – 1.34 mg/kg

PAVED ROAD

NSWC CRANE – SWMU 13
BUILDING 171 EXCAVATION AND DRAINAGE AREA EXCAVATIONS
JANUARY 8, 2009
JOHN T. FLOYD
* NOT DRAWN TO SCALE

NSWC CRANE – SWMU 13 – BUILDING 166

JANUARY 08, 2009
(RESULTS BASED ON TEST KITS)



NSWC CRANE – SWMU 13
BUILDING 166
CONFIRMATION SAMPLING
JOHN T. FLOYD
* NOT DRAWN TO SCALE

ONE SAMPLE (TAKEN 12/30/2008)

(1) 13SOCW053A — SOIL BORING ON NORTHWEST CORNER OF BUILDING 166 AREA EXCAVATION — APPROXIMATELY 2 FEET BACK FROM PREVIOUS SOIL BORINGS (~ 4 FEET FROM EXCAVATION)
2.1 mg/kg

January 15, 2009 Crane SWMU 13 Sampling Event

Personnel

- John Floyd, Betsy Collins and George Ten Eyck

Samples Collected

- Collected 20 verification samples on January 15, 2009.
- Bldg 171 west drainage channel
    - 8 wall samples: 13SOCW063A through 13SOCW070A
    - 12 floor samples: 13SOCF038A through 13SOCF049A

GPS Points Taken?

- No (locations were approximated from field drawings).

Test Kits

- Test kits were done for all 20 composite samples, plus aliquots of some dirty composite samples (per Tom Brent's request), for a total of 36 samples tested.
- Bldg 171 West Drainage Channel:
    - Walls
        - Composite samples of 13SOCW065A through 13SOCW070A came back clean.
        - 13SOCW064A came back just below 1 ppm (so was considered dirty). Not enough materials to test each aliquot separately, though.
        - 13SOCW063A came back dirty, so each aliquot was tested and only aliquot D was dirty.
    - Floors
        - Composite samples of 8 samples, 13SOCF042A through 13SOCF049A, came back clean.
        - Composite samples of 4 samples, 13SOCF038A through 13SOCF041A, came back dirty.
            - The aliquots of 13SOCF039A, 040A and 041A were all tested separately. Not enough materials to test 038A aliquots separately.
                - 13SOCF039A-all aliquots came back non-detect
                - 13SOCF040A-aliquot C came back dirty
                - 13SOCF041A-aliquot A came back dirty

Lab Results

- A total of 18 verification samples and 1 duplicate were sent to the lab.
- Bldg 171 Drainage Channel: 7 samples sent to the lab
    - Wall samples
        - Sent a composite of aliquots A, B, and C of 13SOCW063A to lab.

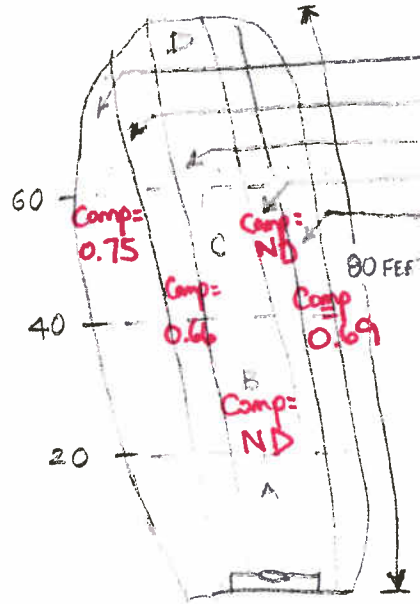
JANUARY 15, 2008 FIELD LOGBOOK CONTINUED…

        - Sent 13SOCW065A through 070A to the lab.
    - Floor samples: 11 samples sent to the lab
        - Sent a composite of aliquots A, B, and D of 13SOCF040A
        - Sent a composite of aliquots B, C, and D of 13SOCF041A
        - Sent composites of 13SOCF039A and 13SOCF042A through 049A
- Duplicate FD01150901=13SOCW065A

NSWC CRANE - SWMU 13 - BUILDING 171

JANUARY 15-16, 2009

WEST-SIDE DRAINAGE CHANNEL



13SOCF047A A,B,C,D
13SOCW069A A,B,C,D
13SOCF048A A,B,C,D
13SOCW070A A,B,C,D
13SOCF049A A,B,C,D

Results in red = test kit results

= composite of aliquots x, x, ..., x sent to lab

= Further excavation recommended

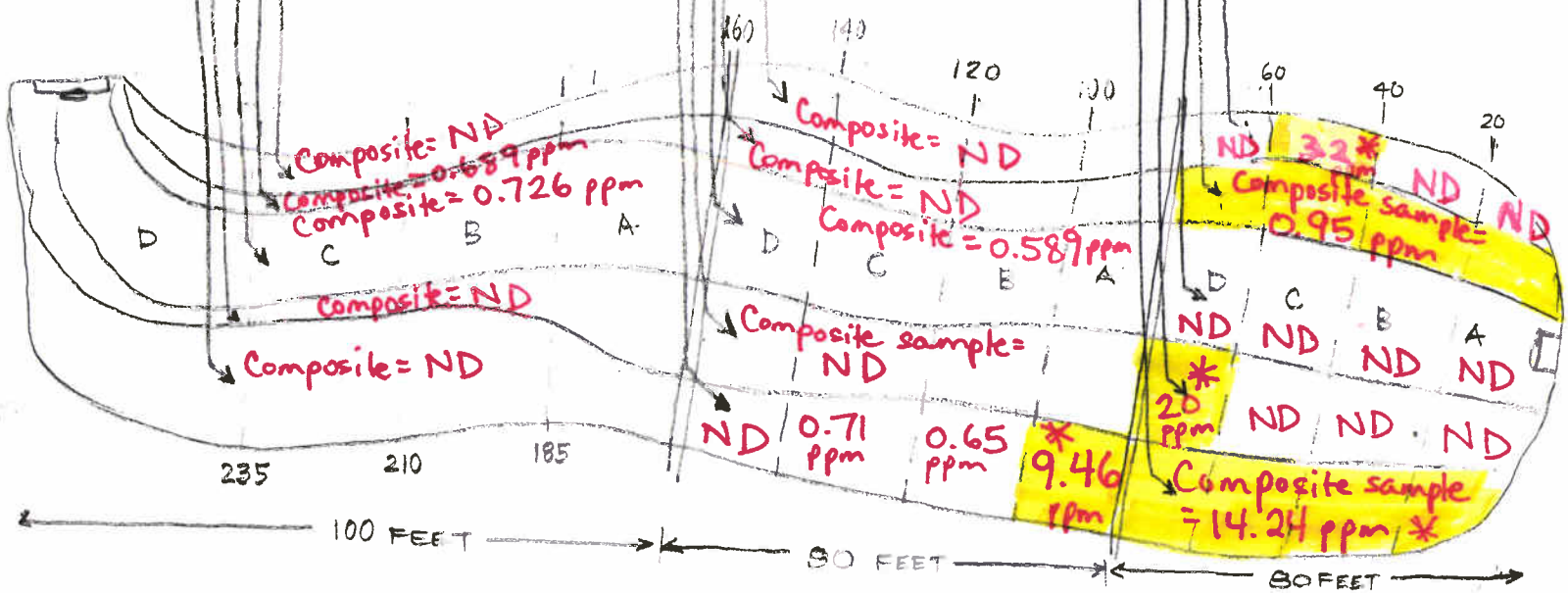
* = above criteria limit (1.0 ppm for drainage channels)

N

13SOCF044A -A,B,C,D
13SOCW067A -A,B,C,D
13SOCF045A -A,B,C,D
13SOCW068A -A,B,C,D
13SOCF046A A,B,C,D

13SOCF041A → B,C,D to lab
13SOCW065A -A,B,C,D
13SOCF042A -A,B,C,D
13SOCW066A -A,B,C,D
13SOCF043A -A,B,C,D

13SOCF038A → 14.24 ppm *
13SOCW063A A,B,C to lab
13SOCF039A A,B,C,D to lab
13SOCW064A → 0.95 ppm
13SOCF040A A,B,D sent to lab



JOHN T. FLOYD

* NOT DRAWN TO SCALE

January 22, 2009 Crane SWMU 13 Sampling Event

Personnel

- John Floyd, Jim Goerdt

Samples Collected

- Collected 10 verification soil samples and 3 trench samples on January 22, 2009.
- Bldg 171 East Drainage channel
  - 4 floor samples: 13SOCF050C, 51C, 13SO2CF051C and 13SOCF52C
    - Note that 13SO2CF051C has a "2" between SO and CF to show that it is the second sample from the location where 13SOCF051C was taken. It is made up of aliquots A, B and C from 13SOCF051C. We left out aliquot D (based on test kit results) to see if we could get a clean sample from A, B and C.
  - 2 wall samples: 13SOCW071C and 072C
    - 071C made up of aliquot A from 071C and aliquots A, B and C from W057B
- Bldg 171 West Drainage channel
  - 2 floor samples: 13SOCF053B and 54B
  - 1 wall sample: 13SOCW074B
- Bldg 166 Excavation
  - 1 wall sample: 13SOCW073A
- Sumps, culverts and trenches
  - 3 sediment samples from the trenches inside of bldg 166

GPS Points Taken?

- Yes

Test Kits

- Test kits were done for 10 composite soil samples, plus aliquots of some dirty composite samples (per Tom Brent's request), and the 3 sediment samples for a total of 20 samples tested.
- Bldg 171 East Drainage Channel:
  - Floors:
    - 1 composite below clean-up goal
    - Aliquot D of 13SOCF051C above clean-up goal
  - Walls:
    - Aliquot A of 13SOCW071C below clean-up goal
    - 13SOCW072C below clean-up goal
- Bldg 171 West Drainage Channel
  - Walls: the one composite tested was below the clean-up goal
  - Floors: both composites below clean-up goal
- Bldg 166

    - The one sample collected was above the clean-up goal
- Sumps, culverts and trenches
    - The three sediment samples were tested for informational purposes.

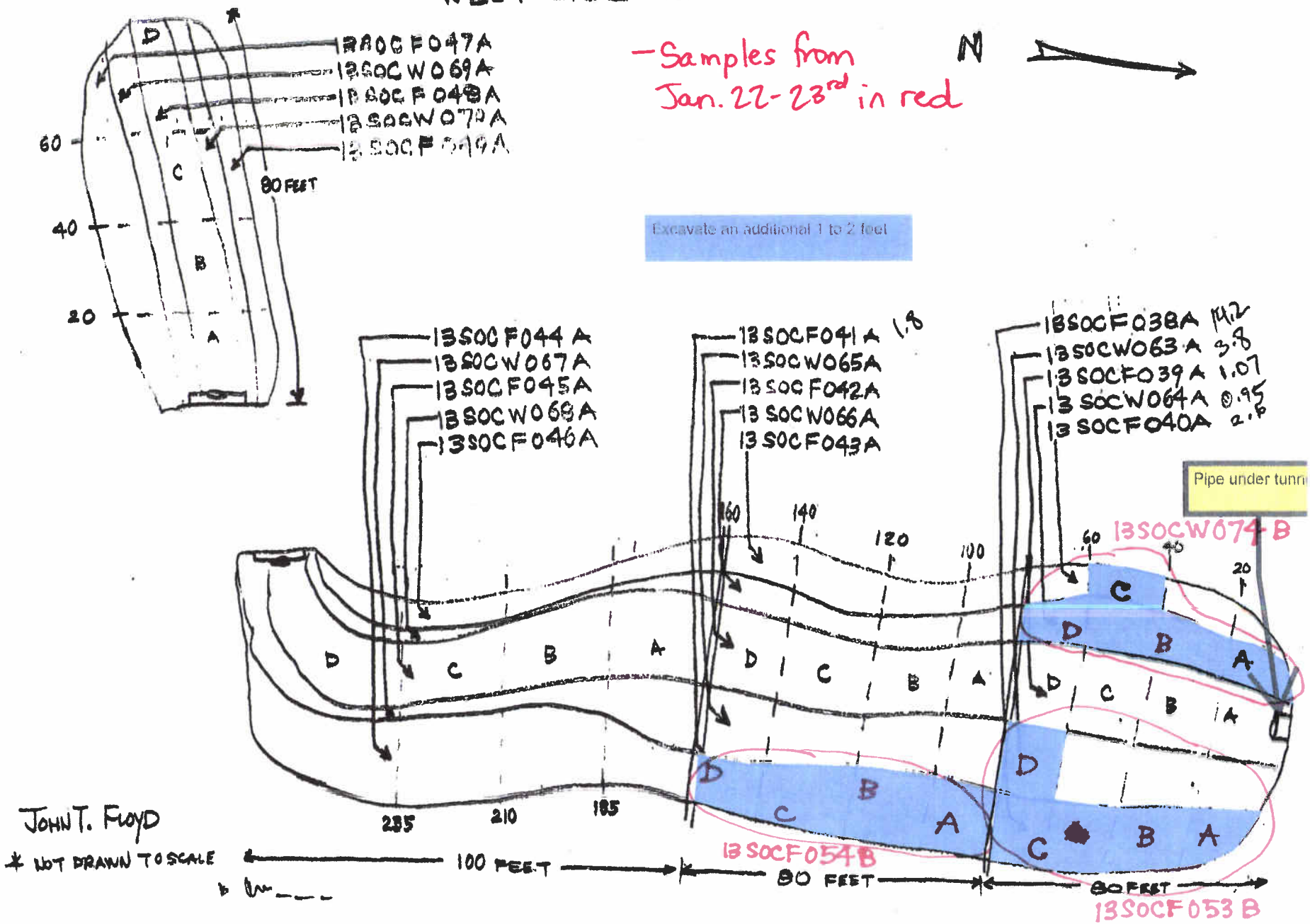
Samples Sent to Lab

- 10 samples were sent to the lab (no duplicates).
- Bldg 171 East Drainage Channel: 6 samples sent to the lab.
- Bldg 171 West Drainage Channel: 3 samples sent to the lab.
- Bldg 166: 1 sample sent to the lab.
- No duplicates sent to the lab for this date.

NSWC CRANE - SWMU 13 - BUILDING 171

JANUARY ~~15-16, 2009~~ 22-23, 2009

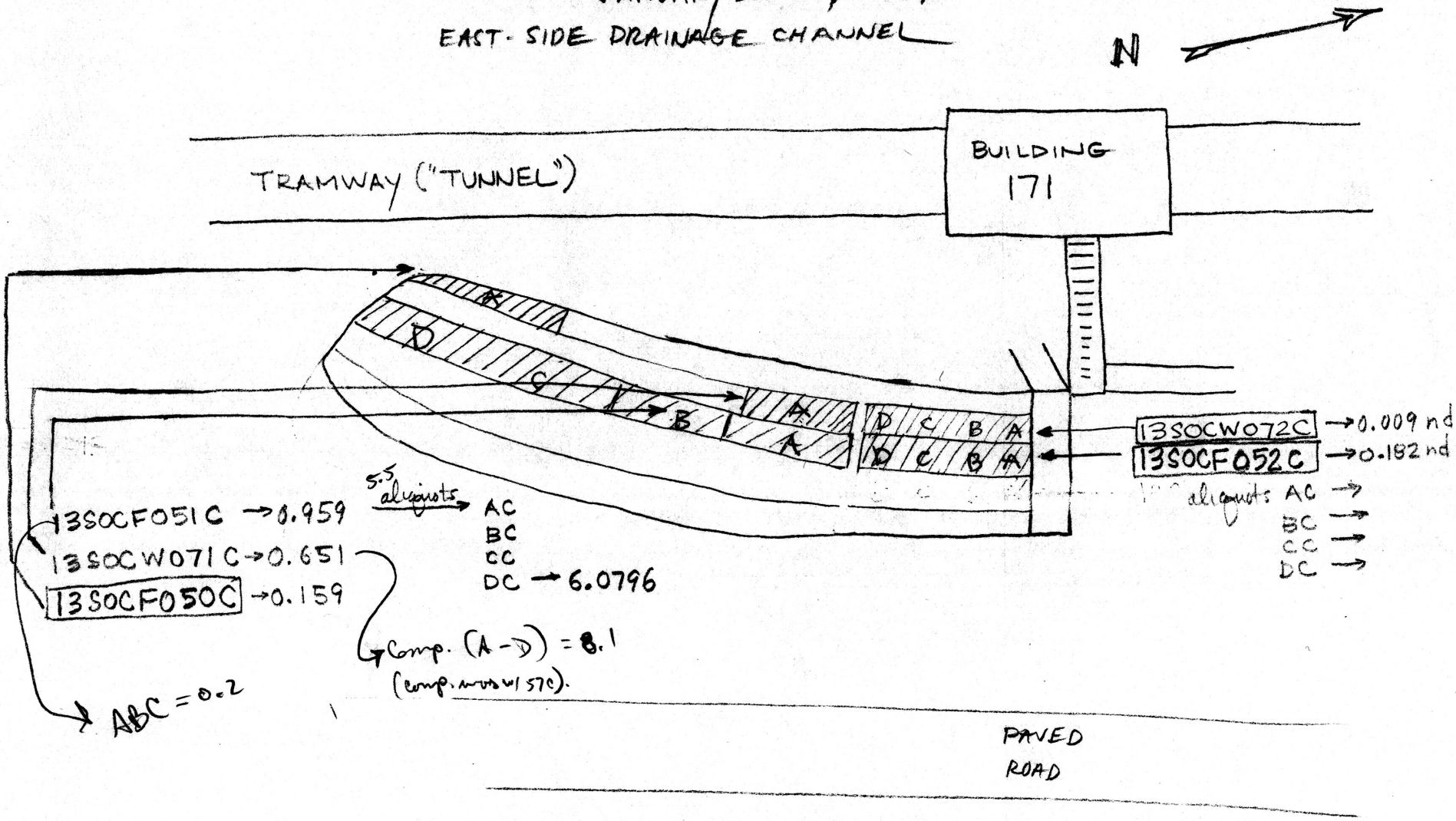
WEST-SIDE DRAINAGE CHANNEL



NSWC CRANE - SWMU 13 - BUILDING 171

JANUARY 22-23, 2009

EAST-SIDE DRAINAGE CHANNEL



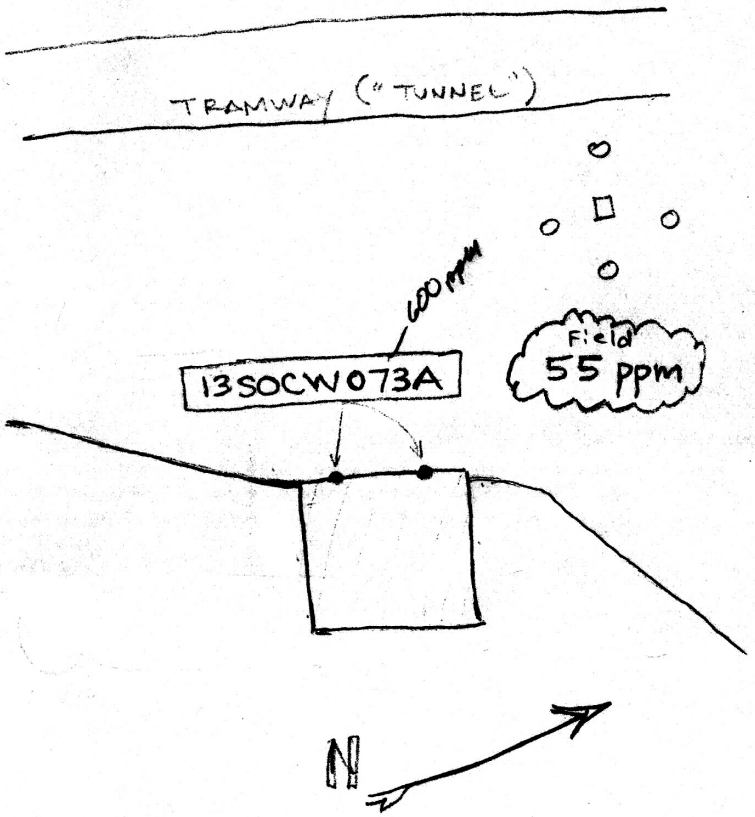
JOHN T. FLOYD

* NOT DRAWN TO SCALE

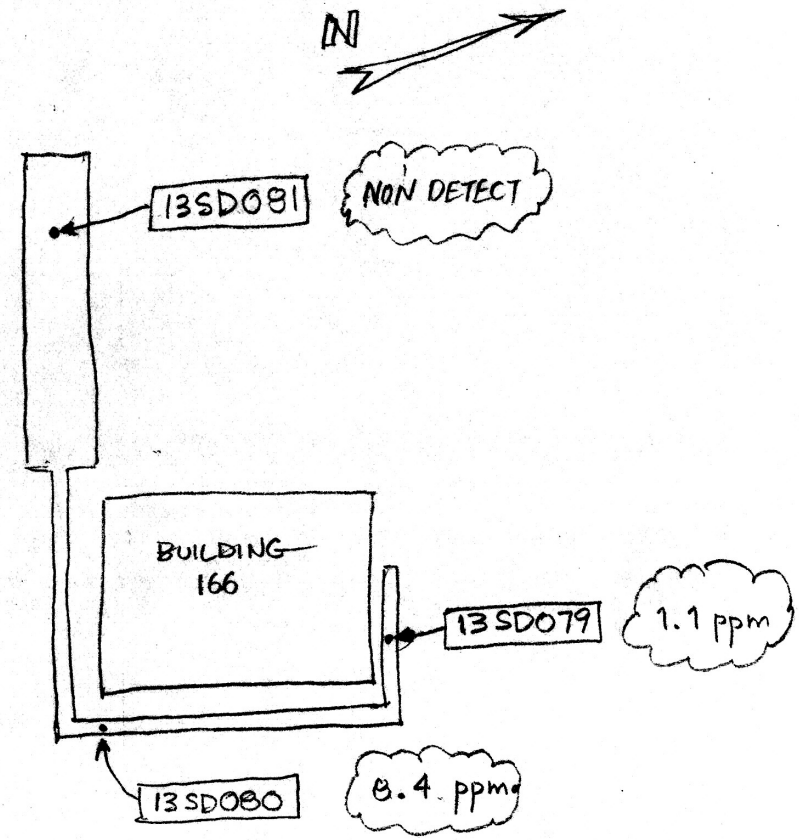
NSWC CRANE – SWMU 13 – BUILDING 166

JANUARY 22 - 23, 2009

EAST SIDE EXCAVATION



INTERIOR BUILDING FLOOR TRENCHES



JOHN T. FLOYD

* NOT DRAWN TO SCALE

February 5, 2009 Crane SWMU 13 Sampling Event

Personnel

- John Floyd

Samples Collected

- Collected 2 verification soil samples and 6 wipe samples on February 5, 2009.
- Bldg 171 East Drainage Channel
    - Total of 1 floor aliquot and 1 wall aliquot collected
- Bldg 171 east drainage channel culvert (downstream)
    - 2 wipe samples
- Bldg 171 west drainage channel culvert
    - 2 wipe samples
- Bldg 169 culvert
    - 2 wipe samples

GPS Points Taken?

- No

Test Kits

- Test kits were not done for any samples

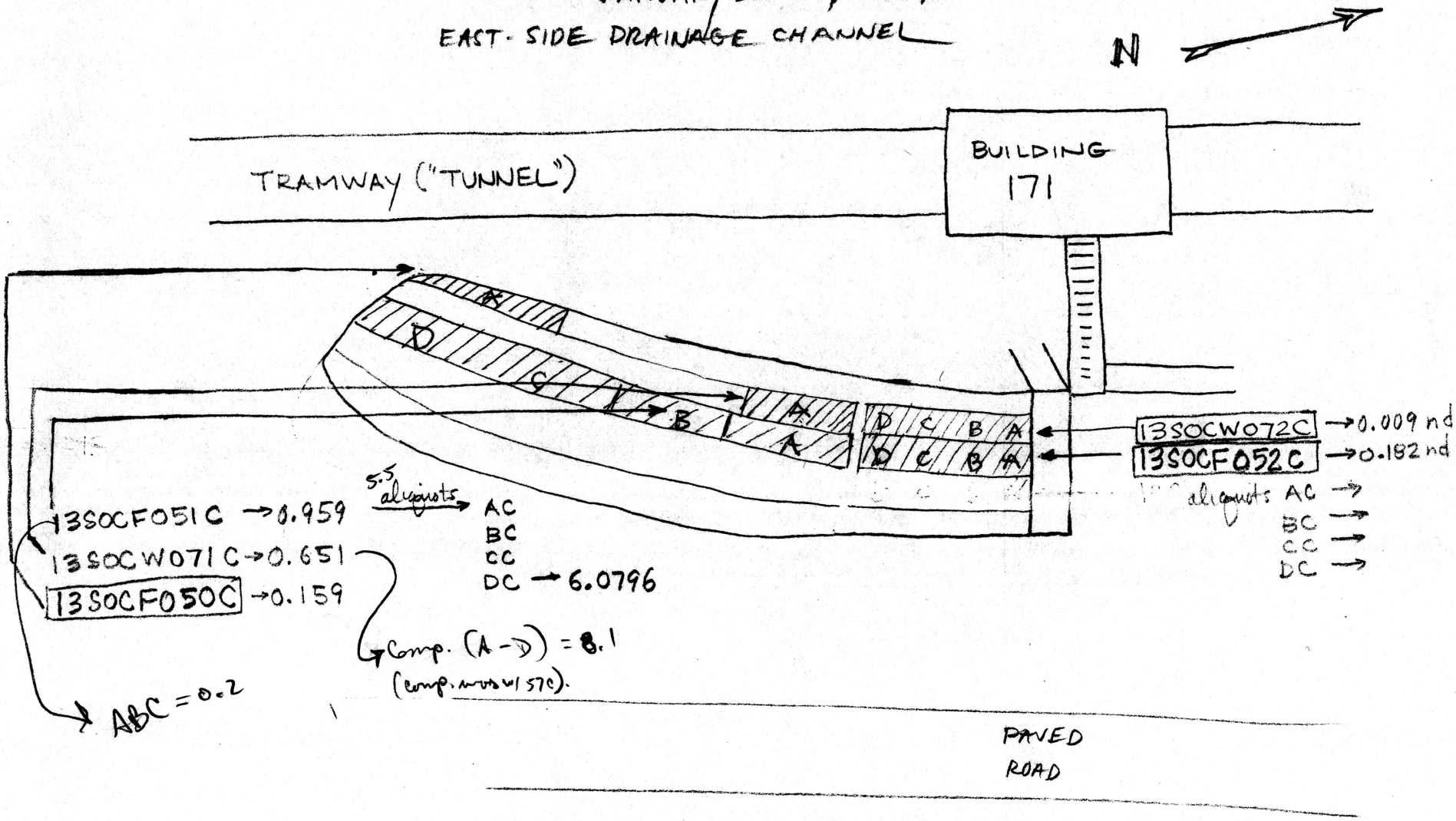
Lab Results

- All 8 samples collected were sent to the lab.

NSWC CRANE - SWMU 13 - BUILDING 171

JANUARY 22-23, 2009

EAST-SIDE DRAINAGE CHANNEL



JOHN T. FLOYD

* NOT DRAWN TO SCALE

June 8th, 2009 Sampling Report: SWMU 13 Building 166, NSWC Crane

The morning of June 8, 2009, Mr. Tom Brent asked that Tetra Tech NUS, Inc. immediately mobilize to collect confirmation samples at the SWMU 13, B166 area, due to impending rain.

The excavated area where confirmation samples were collected is southeast of Building 166, between the building and the road. This area was excavated by TolTest on June 8, 2009 to remove PCB contaminated soil at levels greater than TSCA levels. The excavation is approximately 21 feet by 27 feet. The depth of the excavation ranged from 2 feet below the surface on the south side to 4 feet below the surface on the north side.

A total of five composite samples were collected. These included one composite sample from each of 4 walls and one composite sample from the floor. The floor sample composite consisted of four aliquots and the wall composites consisted of two aliquots. The aliquot locations were determined using the random location system described in the QUAAP.

At 4:00 pm on June 8, 2009, TolTest finished excavating. Survey tapes were used to determine excavation dimension and determine the aliquot locations. Pin flags with the individual sample location numbers were placed at their proper location within the excavation. The collection of samples began at 4:27 PM and concluded at about 4:50 pm.

The first samples collected were the four floor aliquots. Each aliquot was placed in a Zip Lock bag and identified as 13SOCF056AC, 13SOCF056BC, 13SOCF056CC, and 13SOCF056DC. The locations of each of these aliquots are shown on the site map. In the lab, these four aliquots were composited into a single Zip Lock bag labeled as 13SOCF056C, mixed, and then transferred to a labeled 8 oz. jar for shipping to the lab for analysis of PCBs.

The wall samples were collected between the times of 4:35 to 4:50. Each wall consisted of two aliquots collected into individual Zip Lock bags with the following nomenclature:

South wall	13SOW076AA and 13SOW076BA
West wall	13SOW077AA and 13SOW077BA
East wall	13SOW078AA and 13SOW078BA
North wall	13SOW079AA and 13SOW079BA

The locations for each wall grab sample is shown on the attached figure and identified as:

South wall	76AA and 76BA
West wall	77AA and 77BA
East wall	78AA and 78BA
North wall	79AA and 79BA

In the lab, these aliquots were composited into a single Zip Lock bag labeled as shown below, mixed, and then transferred to a labeled 8 oz. jar for shipping to the lab for analysis of PCBs.

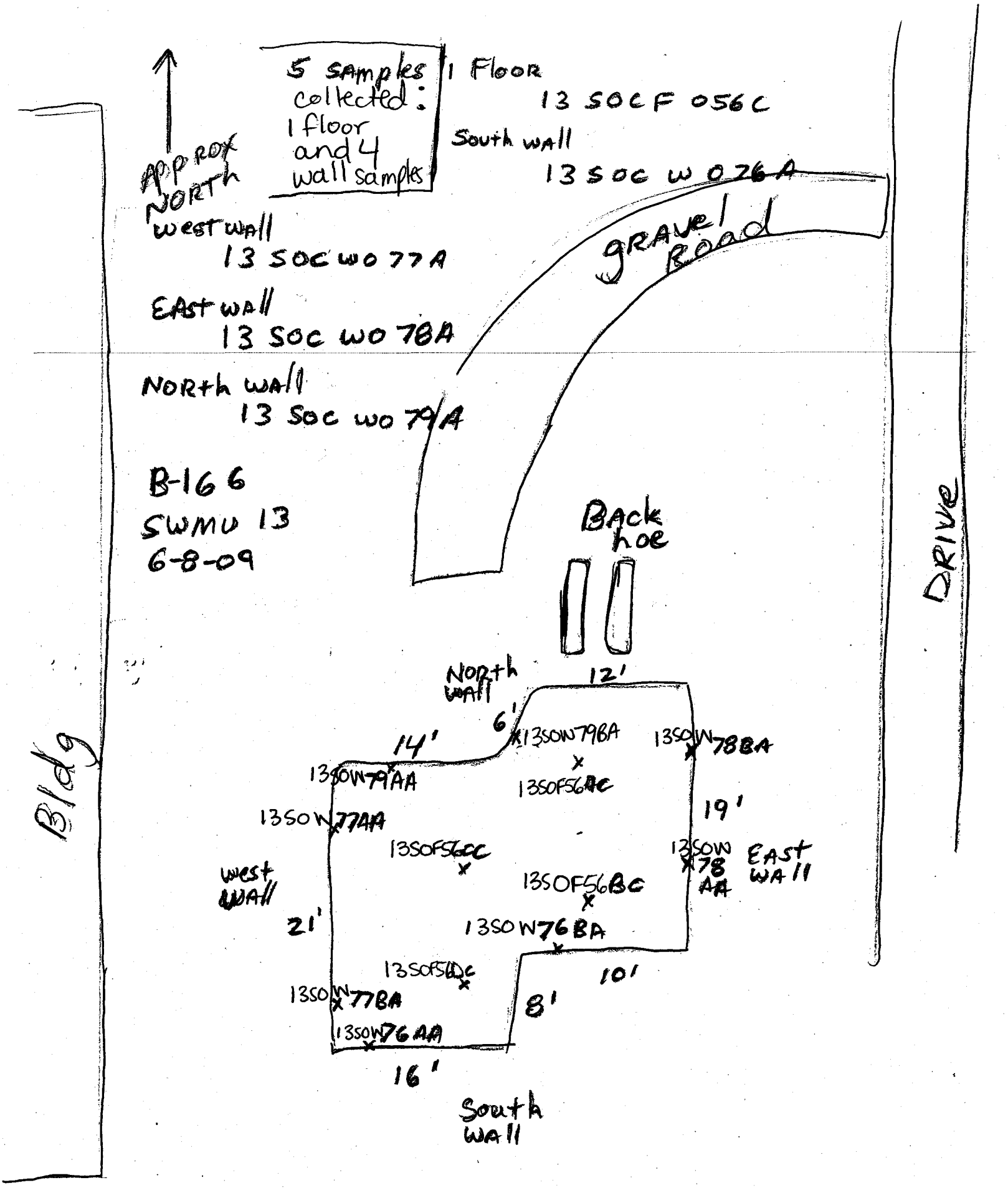
The sample numbers for the composite wall samples sent to the lab are as follows:

South wall	13SOW076A
West wall	13SOW077A
East wall	13SOW078A
North wall	13SOW079A

All the samples were yellowish brown silty clay. All samples except 13SOW078AA were semi dry. Sample 13SOW078AA was very moist.
TolTest lined the cavity with plastic and backfilled the cavity. No rain water collected in the excavation.

The samples were packaged and sent to Pace Analytical c/o Natalie Taylor in Seattle, WA for analysis. The Client, Mr. Tom Brent requested a “quick turnaround”. The samples were sent Federal Express on June 9, 2009 and received by the lab on June 10, 2009.

Ms. Natalie Taylor said the analytical results will be emailed to us about 24 hours after the samples were received, with the printed report to be sent at a later date.


5 samples collected: 1 floor and 4 wall samples
1 Floor
13 SOCF 056C
South wall
13 SOC W 076A
APPROX NORTH
West wall
13 SOC WO 77A
East wall
13 SOC WO 78A
North wall
13 SOC WO 79A
B-166
SWMU 13
6-8-09
gravel Road
Back hoe
DRIVE
Bldg
North wall
12'
6'
14'
13SOW79BA
13SOW78BA
13SOW79AA
13SOF56AC
19'
13SOW77AA
13SOF56CC
13SOW 78 AA
East wall
West wall
13SOF56BC
21'
13SOW76BA
10'
13SOF56DC
13SOW77BA
8'
13SOW76AA
16'
South wall

June 17 and 18, 2009 Sampling Event

Personnel

- John Floyd

Samples Collected

- A total of 14 verification soil samples were collected on June 17 and 18, 2009
    - Three were floor samples and 11 were wall samples
- 3 water samples were collected but these were not verification samples

GPS Points Taken?

- No

Test Kits

- Test kits were not completed for any samples

Samples Sent to the Lab

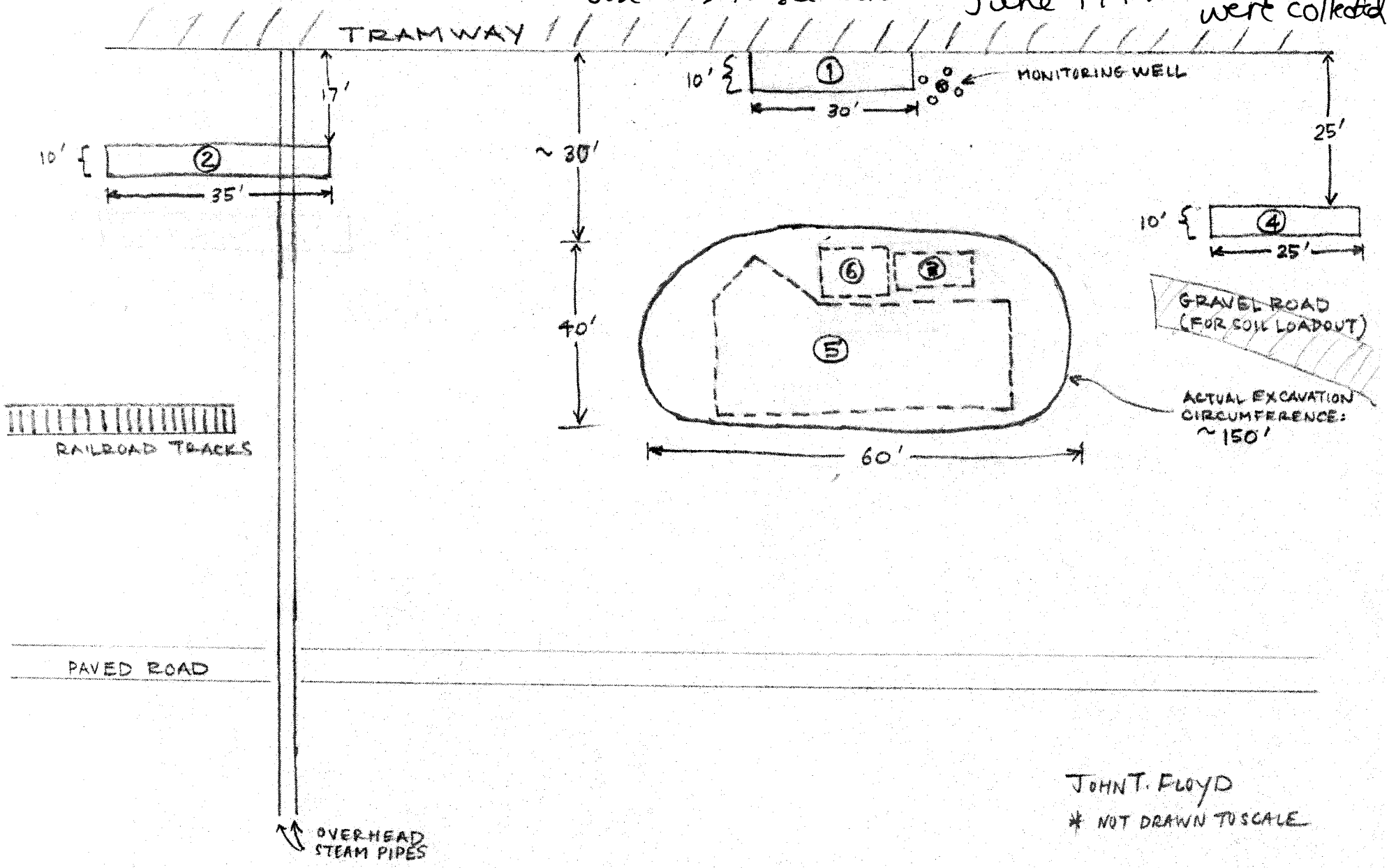
- 14 verification soil samples and 3 water samples were sent to the lab

NSWC CRANE – SWMU 13 – BUILDING 166

JUNE 23-24, 2009

— ACTUAL EXCAVATIONS —

Use this to see where June 17 & 18th samples were collected



JOHN T. FLOYD

* NOT DRAWN TO SCALE

NSWC CRANE – SWMU 13 – BUILDING 166

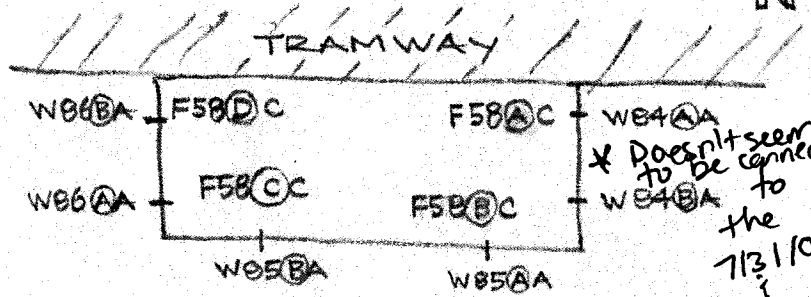
JUNE 17 - 18, 2009

— SAMPLING EVENT —

(REFERENCE JUNE 23-24 "ACTUAL EXCAVATIONS" DRAWING)

N

B166 AREA 1



* Doesn't seem to be connected to the 7/31/09 & 8/13 excavation

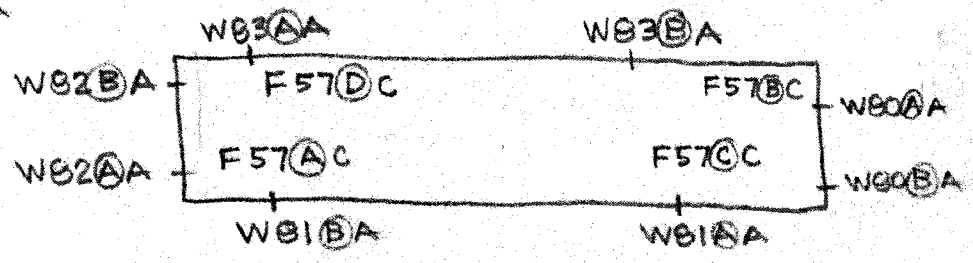
FLOOR (1)

13SOCF058C — 6.3 ppm

WALLS (3)

13SOCW084A — 35.0 ppm
13SOCW085A — 11.0 ppm
13SOCW086A — 0.490 ppm

B166 AREA 2



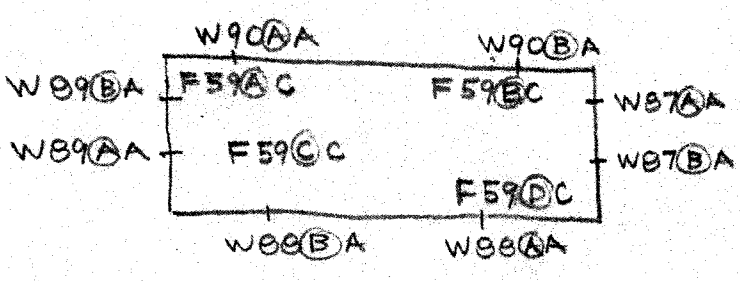
FLOOR (1)

13SOCF057C — 0.700 ppm

WALLS (4)

13SOCW080A — 0.930 ppm
13SOCW081A — 11.0 ppm
13SOCW082A — 3.0 ppm
13SOCW083A — 4.9 ppm

B166 AREA 4



FLOOR (1)

13SOCF059C — 0.540 ppm

WALLS (4)

13SOCW087A — 0.280 ppm
13SOCW088A — 0.230 ppm
13SOCW089A — 0.300 ppm
13SOCW090A — 1.400 ppm

JOHN T. FLOYD

* NOT DRAWN TO SCALE

June 23 and 24, 2009 Sampling Event

Personnel

- John Floyd

Samples Collected

- Eight samples (two floor and six wall samples) collected from B166 excavation
- Five samples (one floor and four walls) collected from B171 east drainage channel excavation

GPS Points Taken?

- No (locations approximated from field sketches)

Test Kits

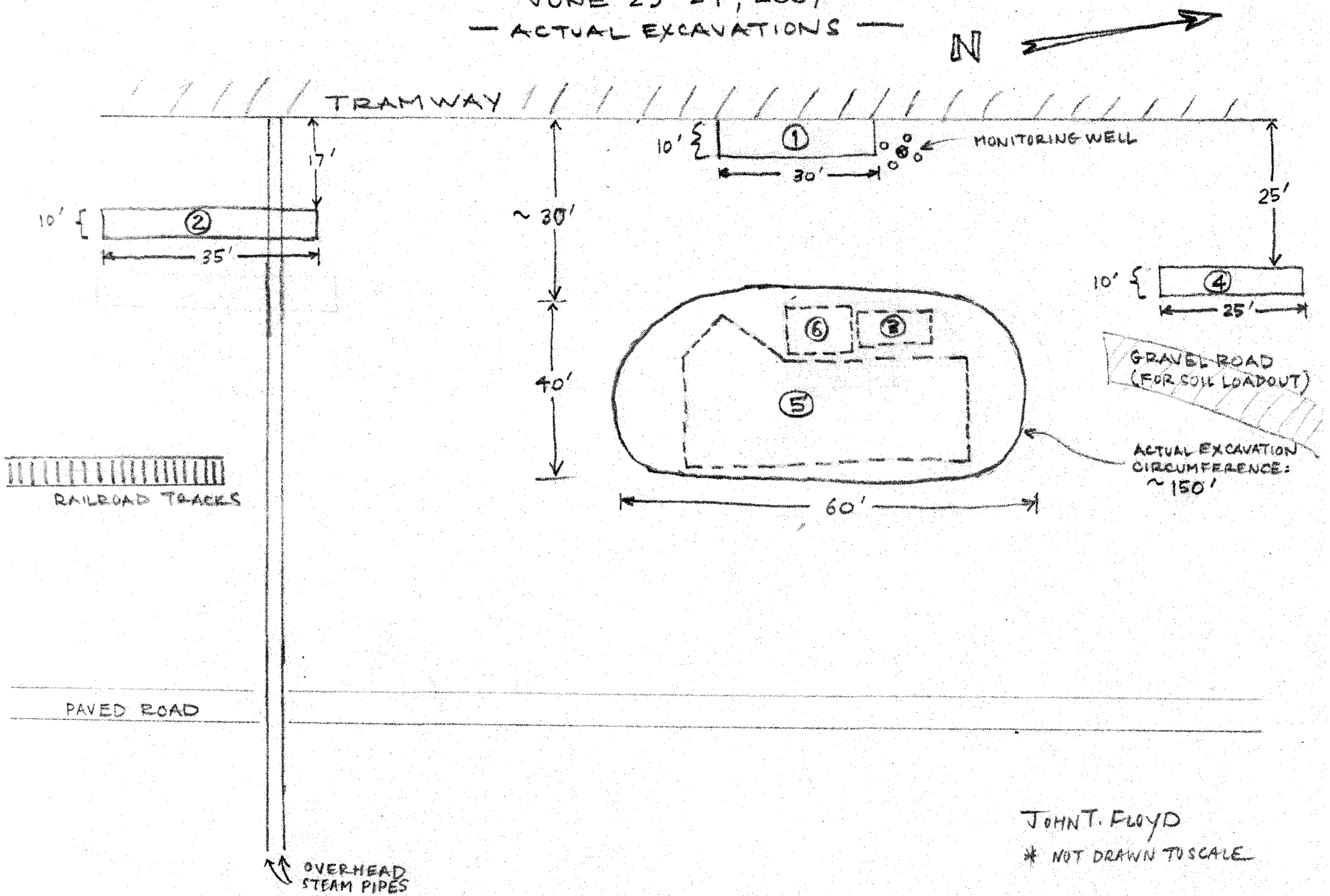
- Test kits were not done for any samples

Samples Sent to Lab

- All 13 samples were sent to the lab
- No duplicates

NSWC CRANE – SWMU 13 – BUILDING 166

JUNE 23-24, 2009
— ACTUAL EXCAVATIONS —



JOHN T. FLOYD

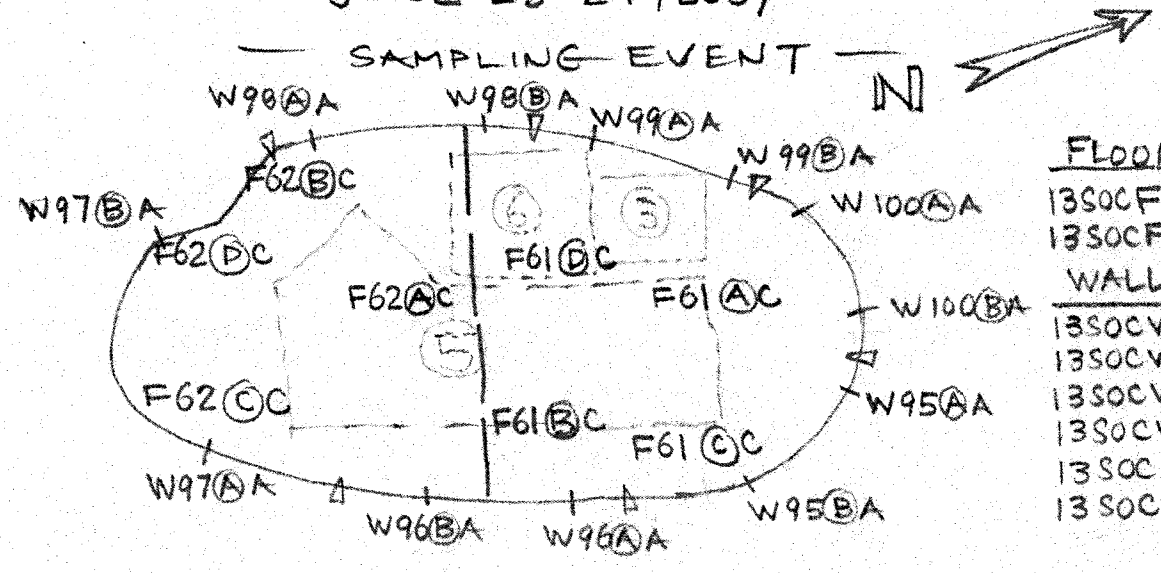
* NOT DRAWN TO SCALE

NSWC CRANE - SWMU-13 - B166/171

JUNE 23-24, 2009

— SAMPLING EVENT —

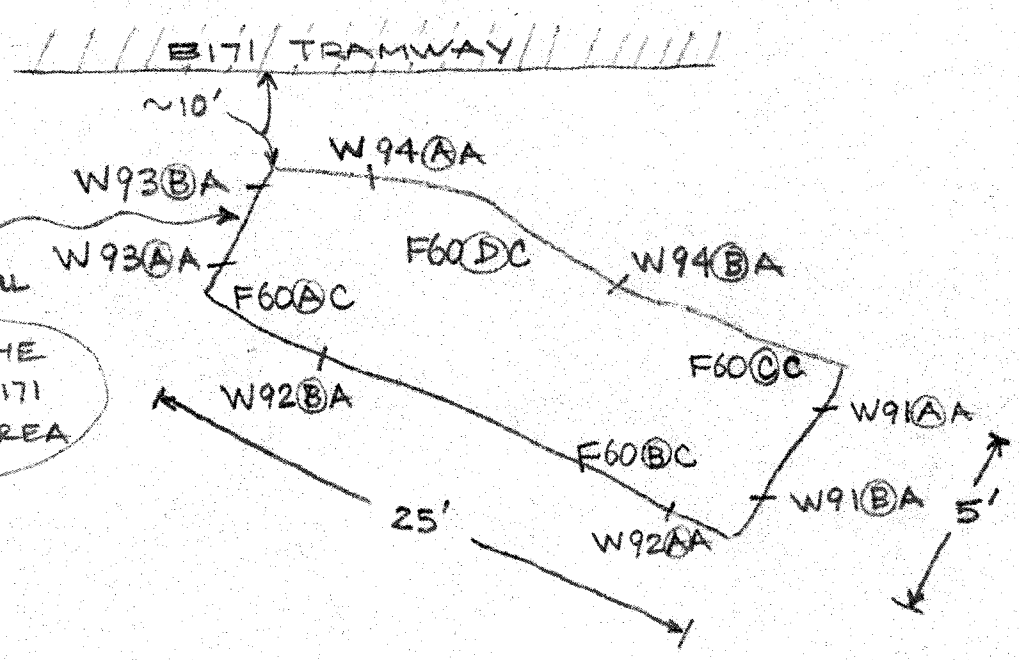
B166
AREAS
3 5 6



FLOORS (2)
13SOCF061C —
13SOCF062C —

WALLS (6)
13SOCW095A —
13SOCW096A —
13SOCW097A —
13SOCW098A —
13SOCW099A —
13SOCW100A —

B171
AREA
7



* LOCATED IN THE CENTER OF B171 DRAINAGE AREA

FLOOR (1)
13SOCF060C —

WALLS (4)
13SOCW091A —
13SOCW092A —
13SOCW093A —
13SOCW094A —

(REFERENCE JUNE 23-24 "ACTUAL EXCAVATIONS" DRAWING)

JOHN T. FLOYD

* NOT DRAWN TO SCALE

July 31, 2009 Sampling Event

Personnel

- George Ten Eyck

Samples Collected

- Six samples collected (one floor and five walls) from B166 area
    - 13SOCF063 and 13SOCW101 through 13SOCW105

GPS Points Collected?

- No

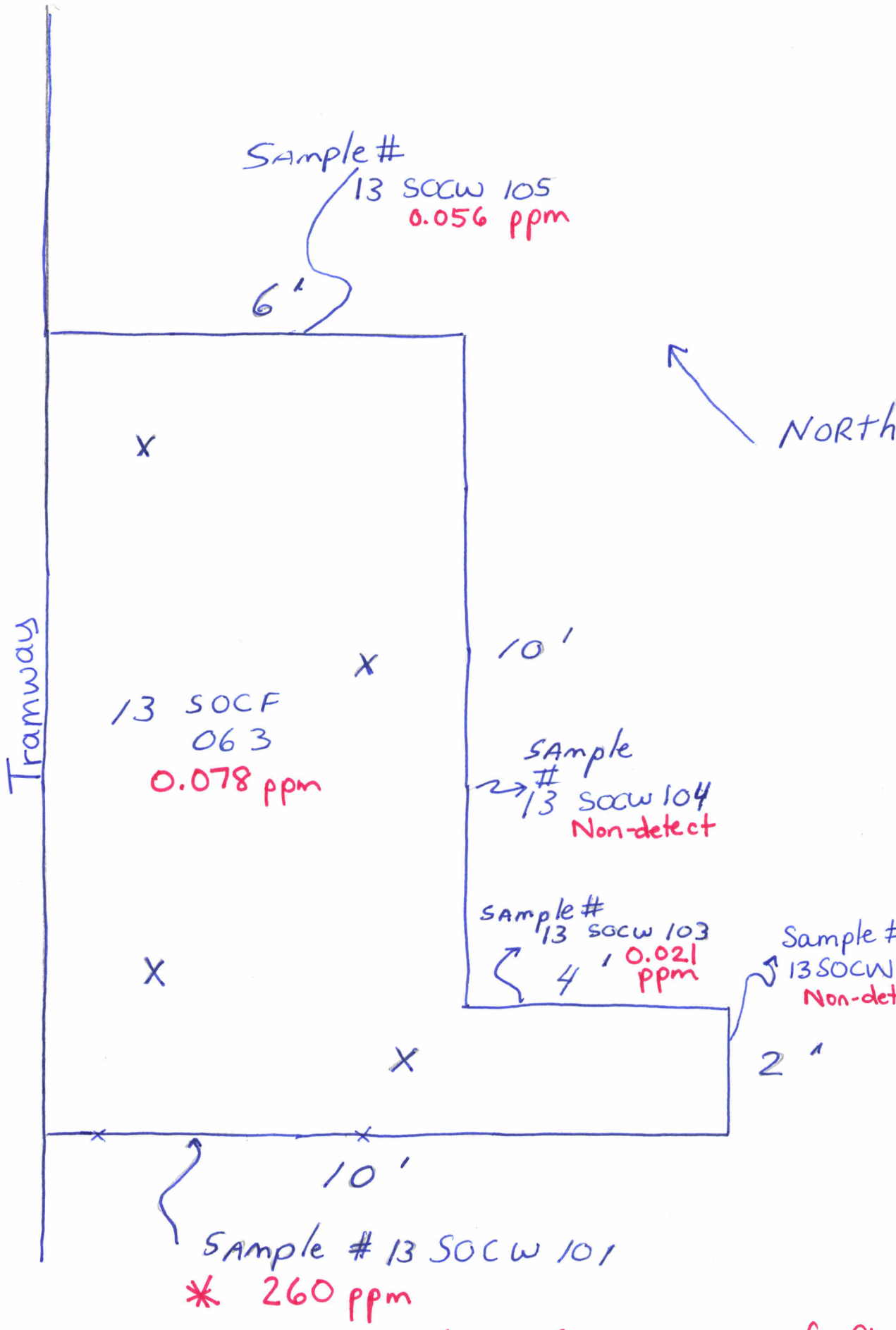
Test Kits

- Test kits were not completed for any samples

Samples Sent to Lab

- All samples sent to lab

Building 166 Samples from 7/31/09



* Exceeds clean-up goal (1 ppm for walls, 25 ppm for floo

August 13, 2009 Sampling Event

Personnel

- John Floyd

Samples Collected

- Five wall samples collected from the Building 166 excavation. The wall samples were re-collected in the locations of the wall samples on 7-31-09 to verify the results.
    - 13SOCW106A through 13SOCW110A

GPS Points Collected?

- No

Test Kits

- Test Kits were not done on any samples

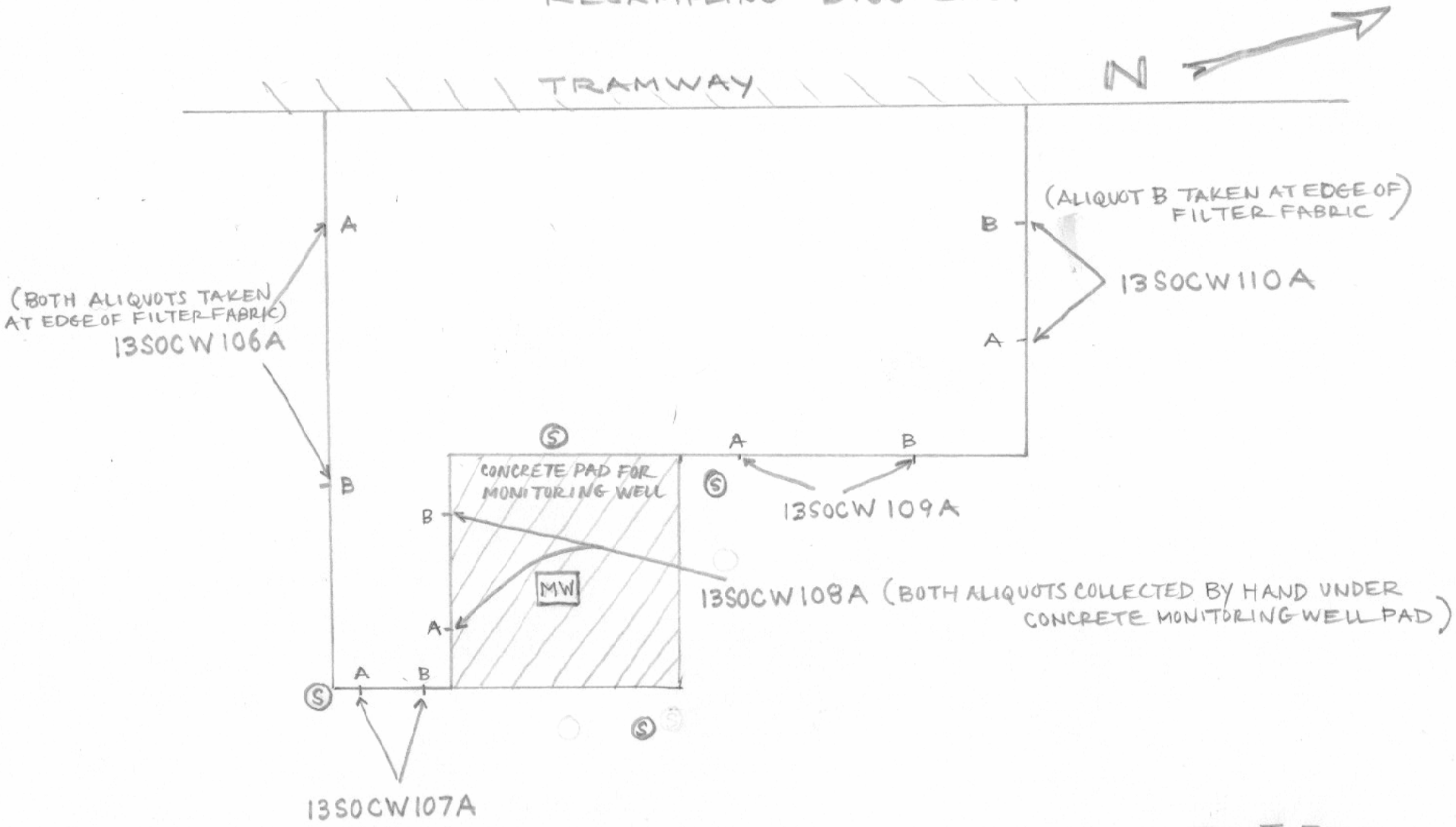
Samples Sent to the Lab

- All samples sent to the lab

NSWC CRANE - SWMU 13 - BUILDING 166

AUGUST 13, 2009

— RESAMPLING B166 EAST —



* ALL ALIQUOTS COLLECTED BY HAND AUGER (UNLESS OTHERWISE NOTED) AT AN APPROXIMATE DEPTH OF 1 FOOT BELOW GROUND SURFACE

JOHN T. FLOYD

APPROXIMATE SCALE

1 cm ≈ 1 foot

SWMU 13 Confirmation Sampling – 9/9/09

0900 – Met with Brian Morgan (TolTest) and Tom Brent (NSA Crane) to collect additional confirmation samples from an area where backfilled material was showing high levels of PCBs. Samples were located by Mr. Brent and collected by Tetra Tech via hand auger under observation by Mr. Morgan and Mr. Brent. Sample locations were along the tramway, approximately 1-2 feet out from the building between the overhead steam lines and the concrete monitoring well pad. Samples were initially placed within a one-gallon Ziploc baggie and thoroughly homogenized. Sample material was then split between Mr. Morgan and Jim Goerdt (Tetra Tech). Samples were to be collected at a maximum depth of 2-feet bgs; however, native soil material was observed at approximately 12-18 inches bgs. No native material was to be a part of the sample material. The fill material was clay (reddish/orange) while the native material appeared brown.

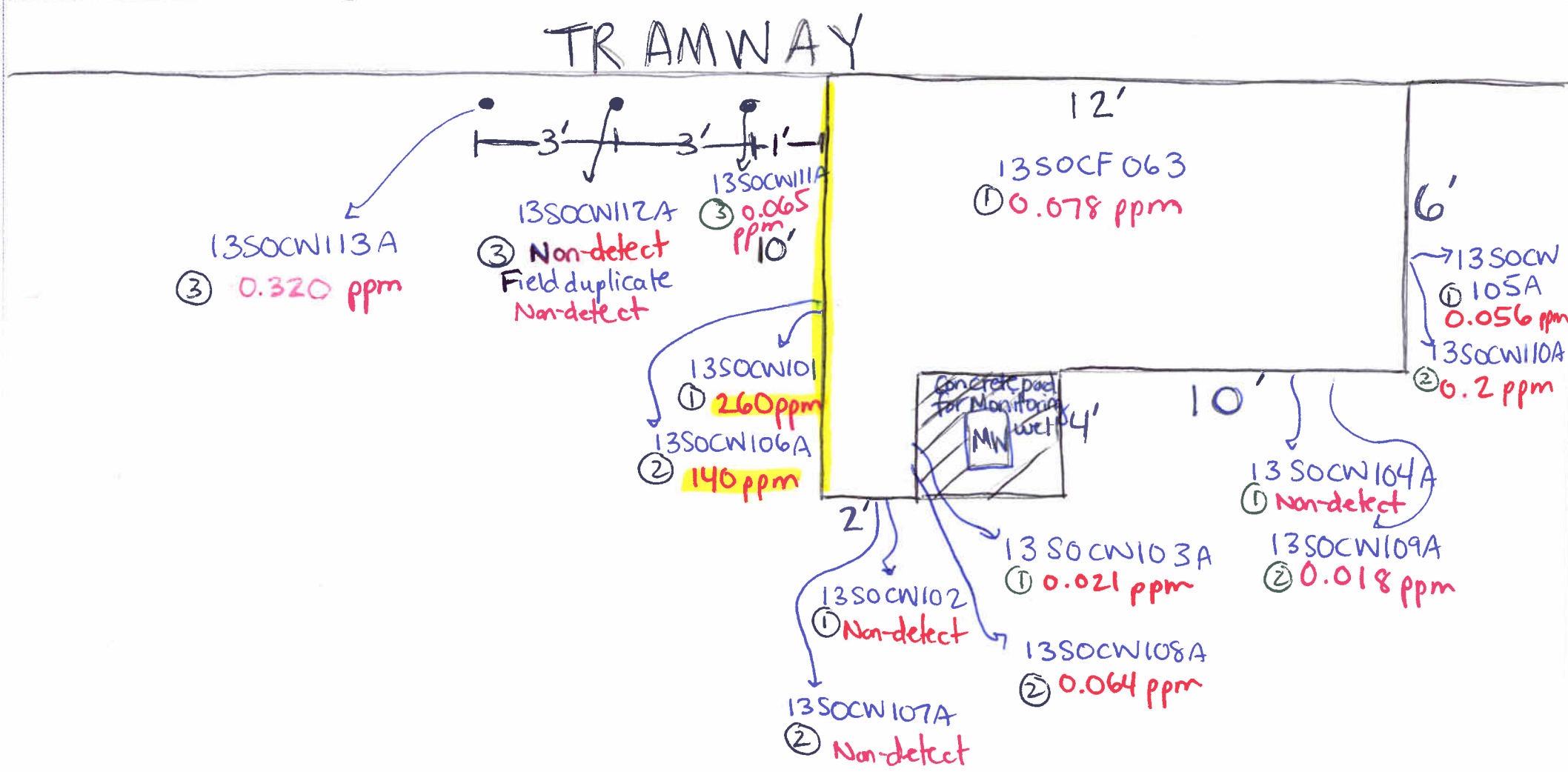
The following samples were collected:

Tetra Tech ID	TolTest ID
13SOCW111A	CS-001
13SOCW112A (FD09090901)	CS-002
13SOCW113A	CS-003

Samples were shipped to Compuchem on 9/10/09 with a standard TAT.

Summary of 7/13/09, 8/13/09 and 9/09/09 Sampling events

SWMU 13, Bldg. 166



* Samples 13SOCW101, 106, 111, 112, and 113 collected from backfill

* 7/13/09 Samples collected by grab collection from open excavation
8/13/09 Samples collected via hand auger
&
9/09/09

Exceeded clean-up goal

① 7/13/09 Sample result

② 8/13/09 Sample result

③ 9/09/09 Sample result

December 18, 2009 Sampling Event

Personnel

- John Floyd

Samples Collected

- One sample (13SOCF114A but correct name is 13SOCF064A) collected at Building 171 excavation. It was a re-sample of former sample 13SOCF021A that was hot.
- Six samples were collected from the SWMU 13 support areas. Note that these were named incorrectly and were later re-named using the correct sample numbers
    - Sample 13SOCF115A (correct name 13SOCF065A) was collected at the gravel access road/loadout area at Building 171
    - Sample 13SOCF116A (correct name 13SOCF066A) was collected at the gravel access/loadout area at Building 166.
    - Sample 13SOCF117A (correct name 13SOCF067A) was collected at the loadout area at the Building 171 west drainage channel. It was formerly gravel but was grass when sampled
    - Sample 13SOCF118A (correct name 13SOCF068A) was collected at the gravel access road leading up to the Building 171 west drainage channel
    - Sample 13SOCF119A (correct name 13SOCF069A) was collected at the former SWMU 13 stockpile
    - Sample 13SOCF120A (correct name 13SOCF070A) was collected at the gravel access road near Building 169 drainage channel

GPS Points Collected?

- Yes

Test Kits

- Test Kits were not completed for any samples

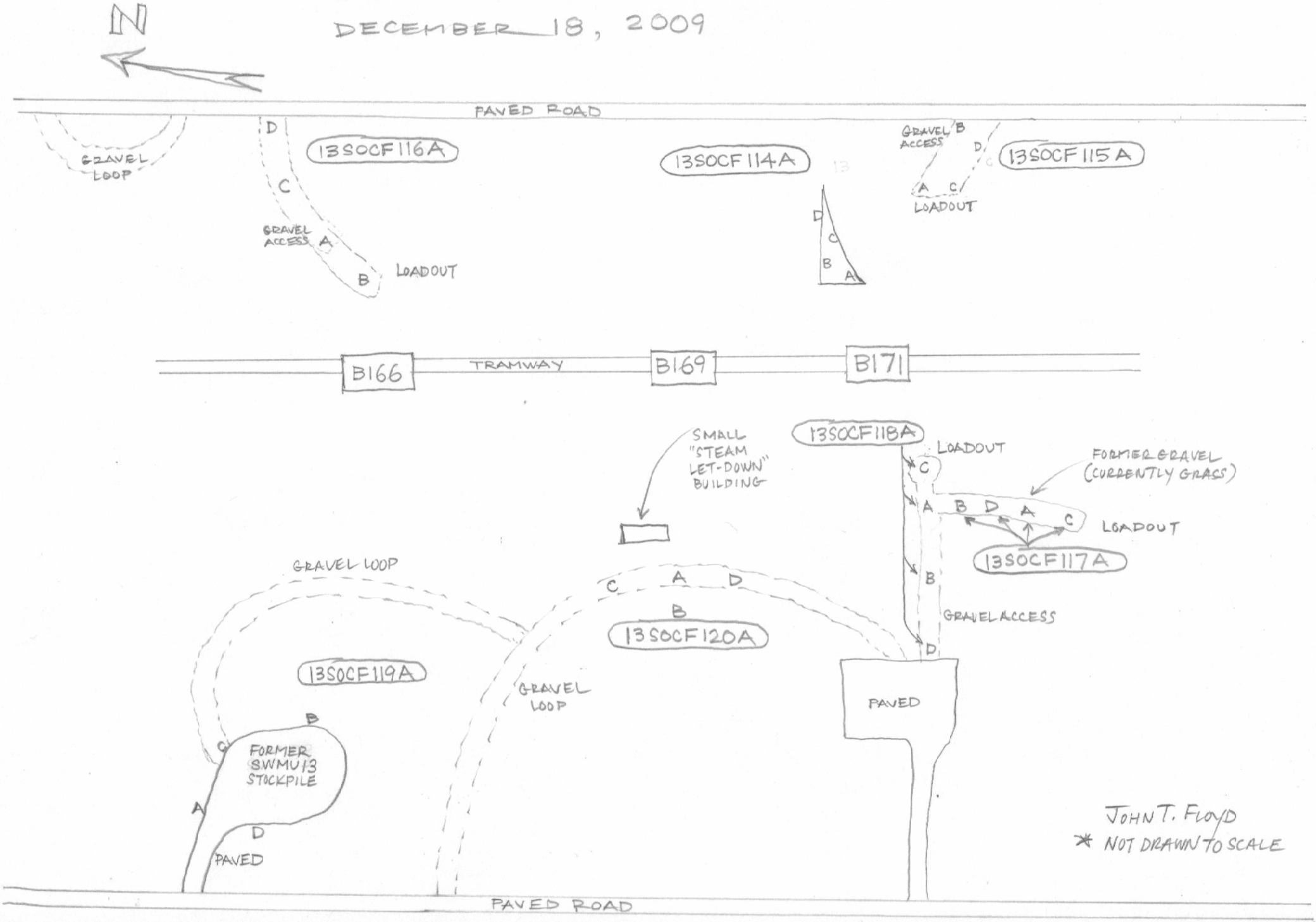
Samples Sent to the Lab

- All seven samples sent to the lab

NSWC CRANE — SWMU 13

— SUPPORT AREA SAMPLING —

DECEMBER 18, 2009



JOHN T. FLOYD

* NOT DRAWN TO SCALE

January 28, 2010 Sampling Event

Personnel

- John Floyd

Samples Collected

- The four aliquots from samples 13SOCF064A and 13SOCF065A (from 12-18-09) were sent to the lab separately, for a total of eight samples. They were not re-collected; the aliquots collected on 12-18-09 were kept separate.
- This was done to delineate the remaining contamination at the gravel access road/loadout area at Building 171 and the re-sample area at Building 171

GPS Points Collected

- No

Test Kits

- Test kits were not completed

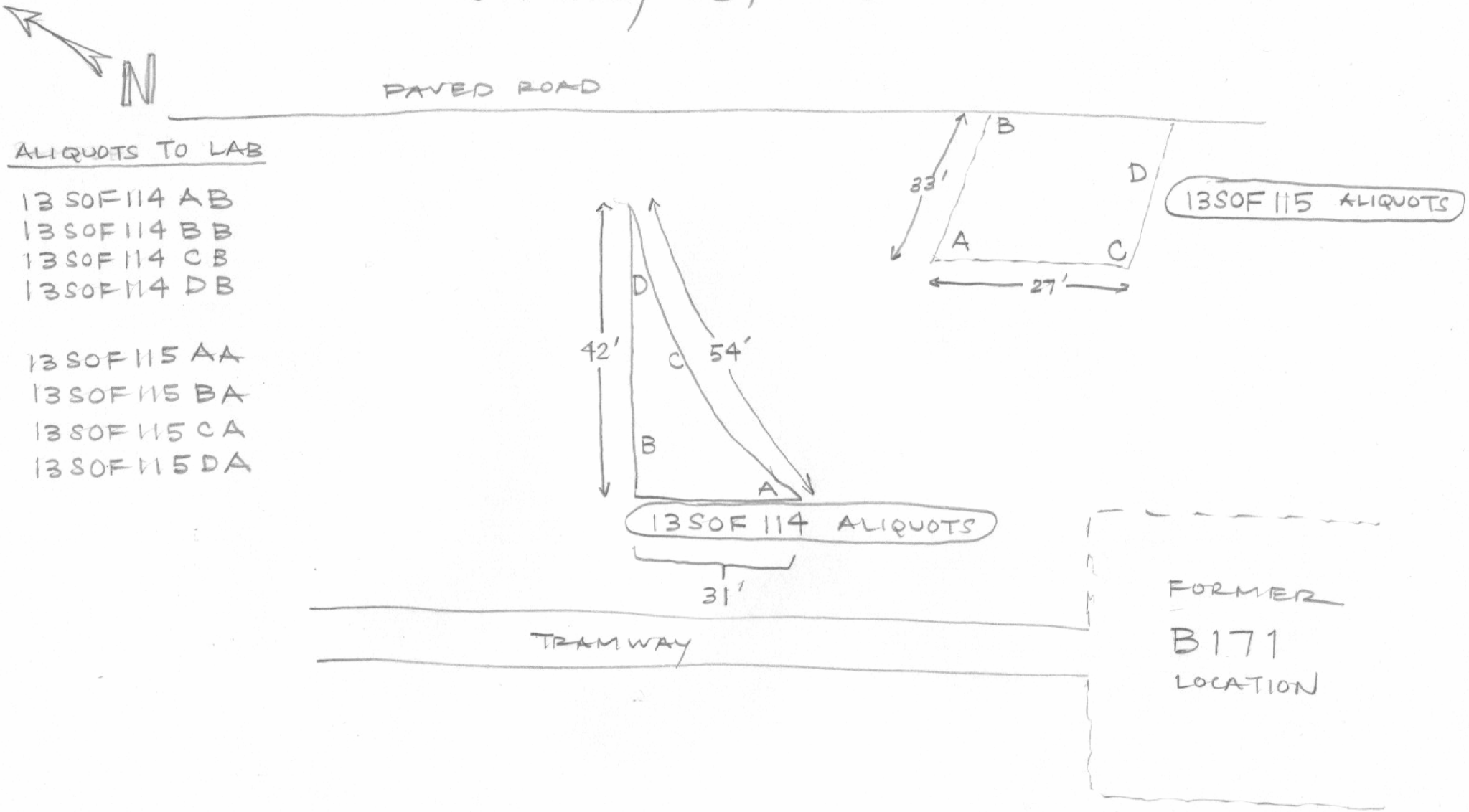
Samples Sent to the Lab

- All eight aliquots were sent to the lab

NSWC CRANE — SWMU 13

— SUPPORT AREA RESAMPLING —

JANUARY 28, 2010



ALIQUOTS TO LAB

13SOF114 AB
13SOF114 BB
13SOF114 CB
13SOF114 DB

13SOF115 AA
13SOF115 BA
13SOF115 CA
13SOF115 DA

JOHN T. FLOYD

* NOT DRAWN TO SCALE

call lab re 40 PCB sampl

3/18/10

SWMU 13

TRIangle AREA 114.

2 sample - 1 wall 1 floor

support area 115

1 floor

cavity -

1 floor

3 walls

Ditch 2 " 1 floor

10 sample. 10 Tweezers.

24 + Zip locks garbage

shampoo

Booties

Gloves pin flagges

Sample # Floor

13 SO C F 071 A

13

C

D

Sample # wall

13 SO C W 114 A

13

3/30/10

11am Lauren Foster & Betsy Collins arrive at Crane.

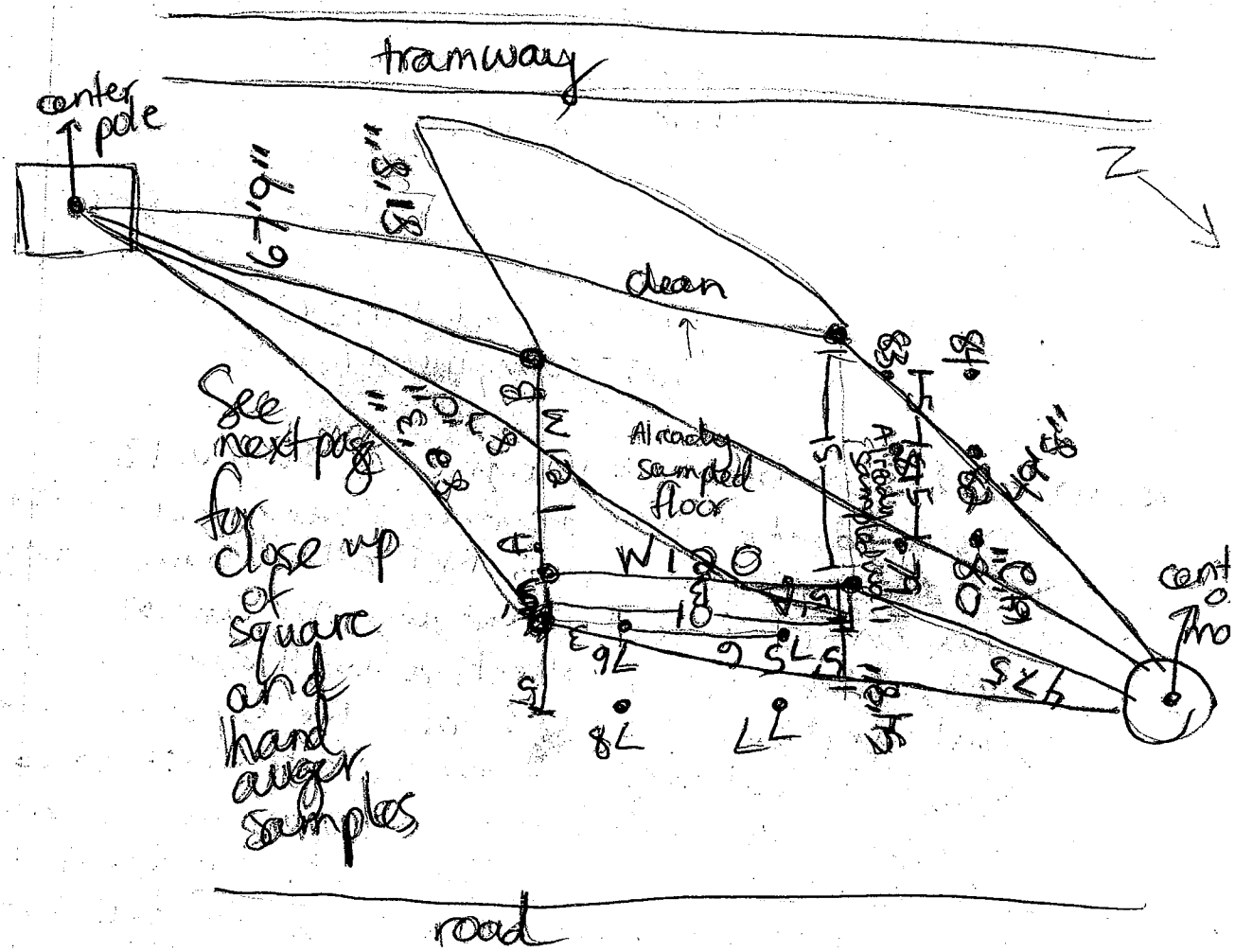
12 pm Met Tom Brent: discussed SWMU 13 re-sampling (step-samples) and SWMU 9 excavation progress.
Prior to conversation with Tom Brent, we discussed sampling with Tony Klimek. We are going to do step-out hand auger samples: 5 ft, & 10 ft North of excavation, 5 ft & 10 ft south of excavation, 5 ft east of the center (2 samples each direction) & 2 in
Take at 6 in → 18 in deep, except samples in center will be 3 ft → 4 ft deep (excavation at 3 ft already
Possibly need to take a wall sample on east side of excavation.
* Start with F075 and W120
Name hand auger samples floor samples, but G(

1:45 met Tom Brent & Wayne at SWMU 13.
Discussed what has previously been excavated.
Tom Brent instructed us to NOT collect any samples between 0-2 feet (hand augers) or walls).
We are going to collect wall samples on the east and south walls of the square but from 2-3 feet bgs. We are going to wait to collect samples in the center of the excavation until Toltest has excavated 2 more feet. We are going to do step-out hand augers at the following locations: 2 sets at 5 and 10 feet north of square, 2 sets at 5 & 10 feet east of square, and 2 sets at 5 & 10 feet south of square

We have to do these samples tomorrow (3/31/10) b/c we need to sample at SWMU 9 today.

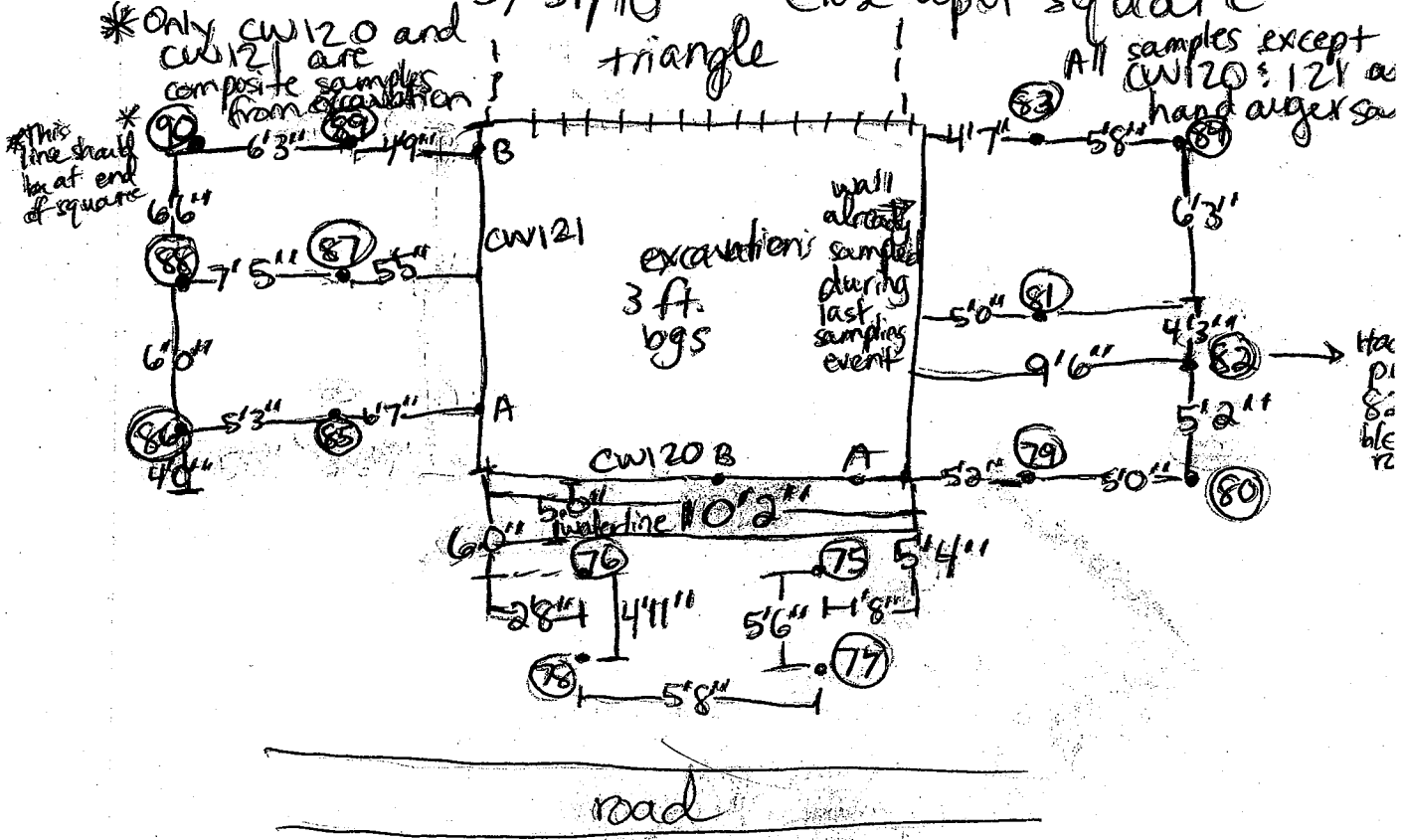
3/31/10

7:30 am Lauren & Betsy met at the trailer
Packed up equipment to go to SWMU 13.
8:30 Picked up package from SDI.
9 am Met Toltest at SWMU 13
Measured the square and the distance to the monitoring well (center pole) and center of manhole



* All samples collected below 2 feet (underneath backfill)

3/31/10 Close-up of square



*Send this to Tim Smith & have him do a construction estimate

Take top 2 feet of fill off between wall CW121 and 89-87-85 AND CW120 & 2 feet AND between CW119 and 83-81-79 water

THEN go down to 5 ft. bgs (and take floor down to 5 ft. bgs).

Test Kits

Sample I.D.	extraction Test Kit I.D.
F075	1
F076	2
F077	3
F078	4
F079	5
F080	6
F081	7
F082	8
F083	9
F084	10
F085	11
F086	12
F087	13
F088	14
F089	15
F090	16
W120	17
W121	18

test kit I.d. (fe
1-9 control
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27

*** RPA II ***
*** SDI ***
PCB

LOT # :

EXP DATE:

Data Reduction: Linear Regression
Transformation: Ln/Logitb
Wavelength : 450 nm
Units : PPB

End*-*
08/11/09 00:26:20
*** RPA II ***
*** SDI ***
PROTOCOL: PCB
TECH ID :

LOT # :

EXP DATE:

Data Reduction: Linear Regression
Transformation: Ln/Logitb
Wavelength : 450 nm
Units : PPB

Equation Of Line:
Slope: -1.1150
Intercept: 1.4537
Corr: 0.9839**
Cal Curve:

```
3.2X
    |
    |
    |
    |
2.3+
    |
    |
    |
Abs|
1.5+
    |
    |
    |        X
    |
0.7+
    |
    |
    |
    |
-0.2----+----+----+----X
   -1.39              1.61
         Conc
```

Calibrator Data:

Conc	Abs	Predic	Diff	%Diff	%CV

0.000	0.974	0.000	0.974	
	1.027		1.027	
Mean:	1.001	1.501	1.501	100.000
3.7				
0.250	0.939	0.323	0.073	22.553
	0.983	0.098	-0.152	-156.394
Mean:	0.961	0.211	-0.039	-18.396
3.3				
1.000	0.739	1.448	0.448	30.924
	0.763	1.293	0.293	22.654
Mean:	0.751	1.369	0.369	26.971
2.2				
5.000	0.456	4.163	-0.837	-20.113
	0.445	4.490	-0.510	-11.349
Mean:	0.456	4.323	-0.677	-15.656
3.3				

Transformed Data:

Conc	Abs
-1.386	3.188
0.000	1.103
1.609	-0.179

Control Data:

Ctrl	Abs	Conc
1	0.5338	3.2648

ID_____

Sample Data:

Smpl	Abs	Conc	
1	0.9931	0.0457nd	F075 X2

ID_____

2 nd F076x2
ID_____

3 nd F077 x2
ID_____

4 0.9882 0.0724nd F078 X 2

ID_____

5 0.9763 0.1338nd F079 x 2

ID_____

7 nd
ID_____ F081 x2

8 0.9577 0.2269nd F082 x2
ID_____

9 0.9068 0.4812 F083 x2
ID_____

10 0.9402 0.3138 F084 x2
ID_____

11 0.9476 0.2768 F085 x2
ID_____

12 0.9024 0.5034 F086 x2
ID_____

13 0.5331 3.2733 F087 x2
ID_____

14 0.9256 [illegible] F088 x2
ID_____

F089 x2

16 0.8428 0.8191 F090 x2
ID_____

17 0.1558 16.7798Hi W120 x2
ID_____

18 0.1511 17.3228Hi W121 x2
ID_____

End*-*

4-21-10

*Start with sample # 13SOCF091 and 13SOCW122 for SWMU 13

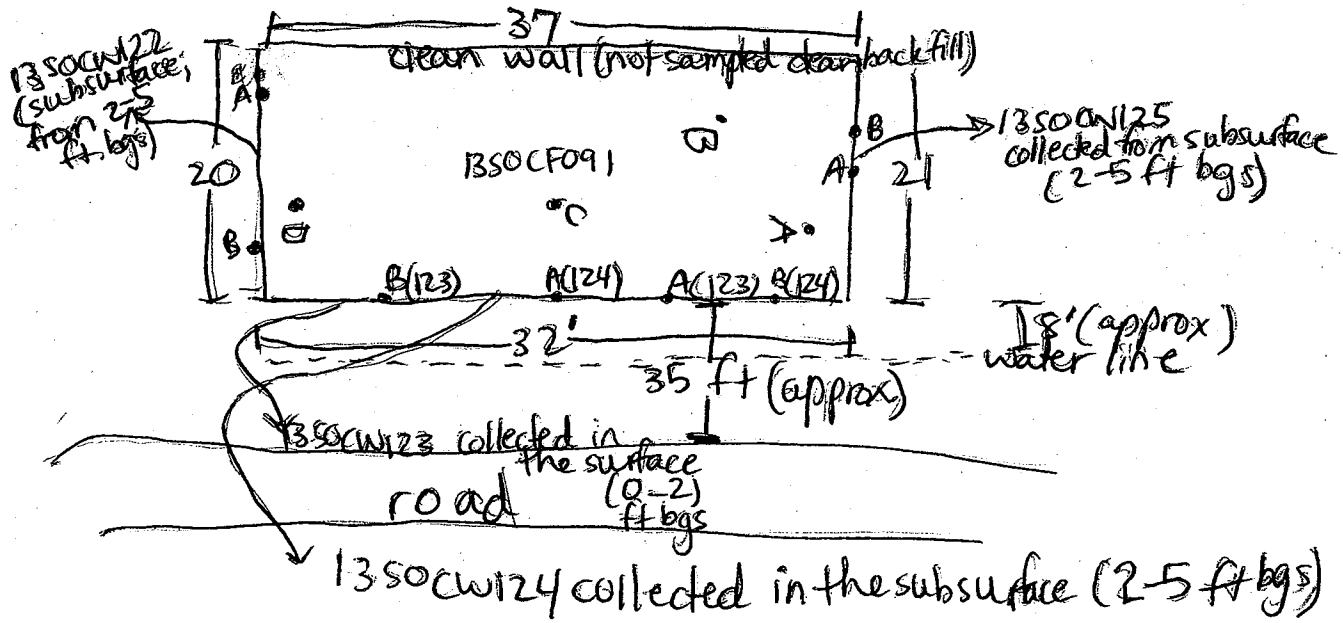
10:00 am B. Collins arrived at SWMU 13 to collect confirmation samples. Had to wait for Toltest to come help me uncover the excavation. Tom Brent mentioned that they were not able to excavate the wall near the waterline any farther in the direction of the water line due to restrictions from the utility. He asked me to collect a surface and subsurface sample on that wall to see how dirty they are (the wall came back hot in test kits).

Excavation measurements

32 ft long x 21 ft. wide

tramway

32
x21
32
64
672



Finished at 11:30 am and went back to trailer to composite (stopped by SWMU 32 first)

4/21/10

12 pm. SWMU 32 - utilities are marked.
There are green flags, orange flags, yellow flags, one pink (says no compressed air) both inside and outside the fence.
I did not see any utilities across the street by railroad tracks - not sure if they went over there
~~There is an electrical line~~ ~~pos~~ which ~~isn't~~

4-29-10

1000 B. Collins met with Brian Morgan (Tolteist), Tom Brent and Tim Sears to discuss status of SWMU 13.

Tom Brent: this area is where the PCB release was (a boiler of some kind?), so he is thinking that the release ran down towards the road and got into the water line and may be seeping out/carried by the line. what seems to have happened is that our confirmation samples at 2 ft bgs come back clean in many of these areas but his fear is that it is dirty below that (possibly b/c of water line & how contamination was spread).

Discussion of how to excavate/extent of excavation:
out to road, atleast 4 more feet deep and then south to some of our previously surveyed locations.
* Tom needs to ask Howard Hickey about this, though.
* Need to set up a temporary water line to excavate around water line

Discussion of doing a DPT sampling event:
Tom Brent mentioned he would like T.T. to do an extensive DPT sampling event to figure out the depth & ex of contamination. we do not know how deep bedrock i

Brian Morgan is going to cover excavation with a 2 mil l to mark our place and fill it back in while we are waiting for DPT plan to be approved by TT & Navy.

1130 Meeting adjourned.

5/7/10

0800 B. Collins & G. Ten Eyck met driller (Alam Thomas) at the Crane gate
EFS

0830 Tom Brent stopped by site, discussed SWMU 9. PCB test kits and water sample.

Driller was not able to get the rig down in the excavation. All of the other borings (18 total) were collected in a DPT. None of them exceeded 6 feet bgs (all hit refusal between 3.5 – 6 feet bgs).

13SB143 → 13SB165

We collected one rinsate blank from the DPT tip.

1300 Packed all stuff up, made sure driller was going to fill in the bore holes, and left the site.

*Need to either have Toltest help us collect the samples from the excavation floor or need to hand auger those.

	FD #	Sample #
Field Dup*	FD 050710-01	13SB151 0002
	FD 050710-02	13SB151 0204
	FD 050710-03	13SB164 0204
Did not send 04	~~FD 050710-04~~	~~13SB164 0406~~

5/8/10

1000 B. Collins & G. Ten Eyck went on site to collect hand auger samples from the excavation floor at SWMU 13.
Collected 13SB159, 160, 161, 162, 163
Refusal was about 6" → 12" below ground surface (about 6' deep). Excavation is almost down to bedrock now.

1130 off-site

6/3/10 DPT event

0900 G. Ten Eyck met Alan Thomas from EFS to collect 31 soil borings from SWMU 13 at Building 171.

1330: B. Collins arrived on-site and collected GPS points.

1500: Finished all borings and began cleaning up site
1530: B. Collins went back to trailer & began processing samples. G. Ten Eyck cleaned up site & signed driller's invoice.

Field duplicates
FD060310-01 = 13SB1920405
FD060310-02 = 13SB1660407
FD060310-03 = 13SB1930304

6/22/10 Hand Auger sampling event

1030 B. Collins arrived on-site at SWMU 13 to collect hand auger step-out samples due to contamination in soil boring 170.

I laid out 5 sample locations as follows (no GPS u

SB 197: 6'5" from water valve cover and 13'5" from SB 170

198: 13'3" from water valve cover and 33'7 from SB 170

199: 19'1" from SB 171 and 28'3" from water valve cover

200: 11'10" from SB 170 and 9'7" from SB 174

201: 10'0" from SB 174 and 1[illegible]'10" from SB 173 and 14'10" from water valve cover

1055 Began collecting hand auger samples

197: Augered about 1'8" deep. Soil is an orange color with white specks and darker areas. ~~Sandy~~ Silty clay.

1110 198: About 1'8" deep. Soil is same as above except material is looser (possible fill area??

1120 199 Soil is same as 198 (loose material) went to 1'8"

1128 200 Very clayey material (orange w/ white Top 6" was more silty clay w/ root block

1138 201 Same as 200

Off site at 12:00

1500-1700 Processed and jarred samples, did COC and fedex airbill

Off-site at 18:30

[illegible]

6/23/10 Hand auger sampling event

1500 Fedex picked up the cooler with the 5 hand auger samples from 6/22/10

Betty Collier

1400-1500 Packed cooler

CTO 377

SCUMO -13
Project # 112 G 000.41
TASK 0000. TP 005011

Friday

gLT

7/8/10 Todd Check + George Tonegah
ARRIVED at site 1:00 pm

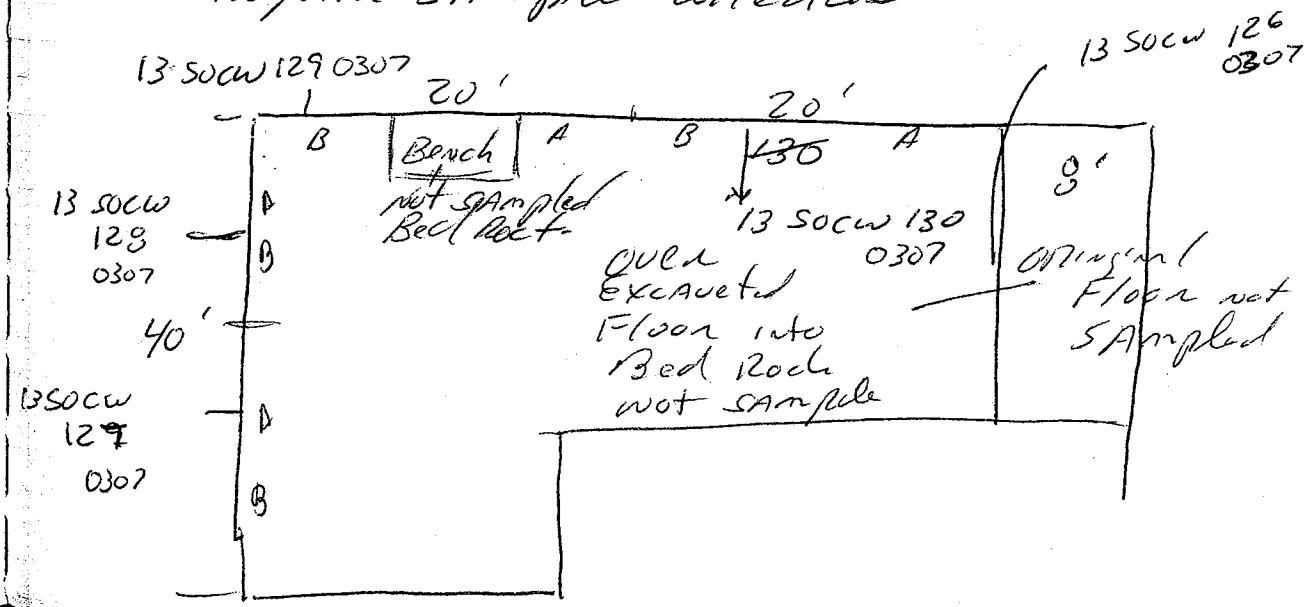
Jes Taylor ARRIVED at 8:00 AM

Site Activity AM Thursday 7/8 involved
TO/TOST excavation CAVITY AS per
Instruction from Tom Brent-

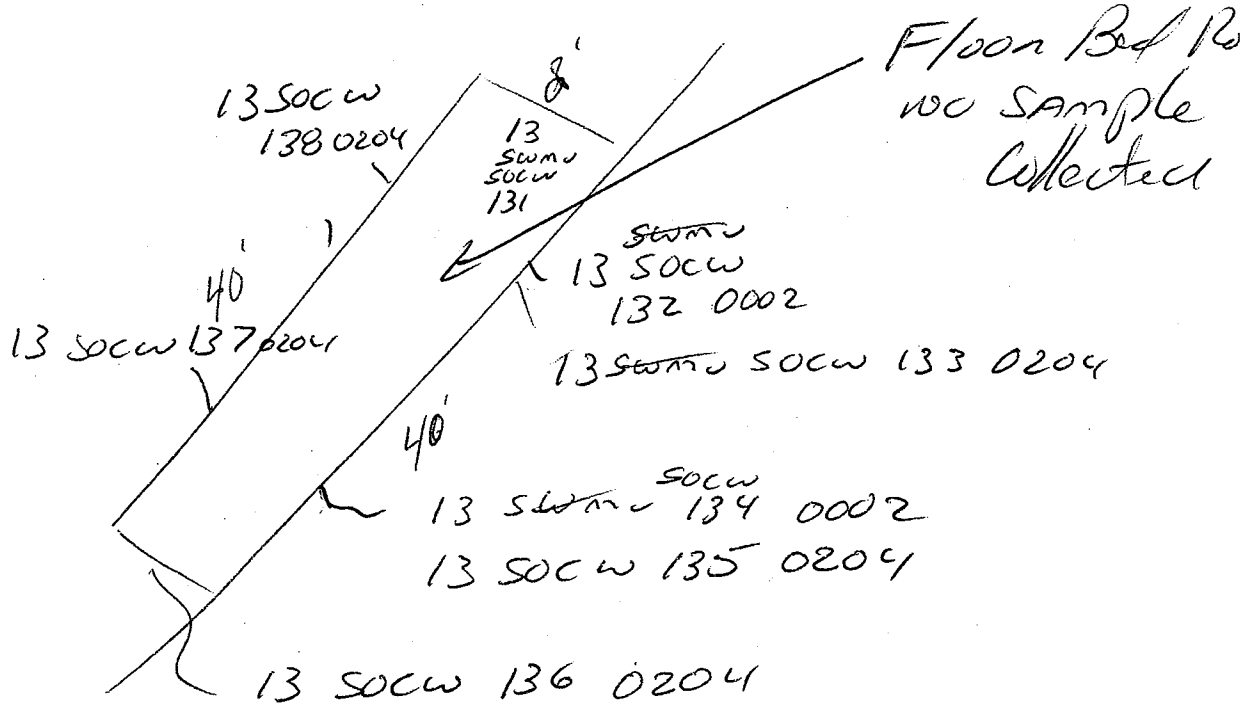
AM prepared trailer to run Rapid Assy PCB kits-
PM collected equipment for sample
collection-

TWO AREAS EXCAVATED to remove
"TSCA" waste (soil suspected to have >50ppm
PCBs)

~~5:00~~ 17:00 Excavation turned over for sampling-
Tom Brent on site determined
Cavity floor was Bed Rock and did not
require sample collection



Also collected samples from 4' deep trench along road.



Samples 126 → 130 collected w/ Backhoe Bucket - random by operator.

Samples 131 → 138 collected using Disposal trowel.

Samples 126 → 129 collected between 1615 to 1645

Jes Talya left site about 1700 to composite samples and prepare test kits.

Excavation End
7/8/10

Samples 131
Aliquots locations
next page

Aliquot location for Samples 131 → 138
used Table 3-6 from SOW & QAPP
Addendum #5

Random number generator.

Sample						sample series #	Collected
	13	SOCW	131	0204	=	1	1655
	13	SOCW	132	0002	=	2	1700
	13	SOCW	133	0204	=	3	1710
	13	SOCW	134	0002	=	4	1720
	13	SOCW	135	0204	=	5	1735
	13	SOCW	136	0204	=	6	1720
	13	SOCW	137	0204	=	7	1745
	13	SOCW	138	0204	=	8	1800

Todd Check & Tom Eyd left site at 18:30 to Composit samples and Run test kits.

GPS location collected on County corner and locations

finished Composits at 7:00

T. Check left Trailer at 7:00 pm

GLT & JLT Ran test kits

7/8,

Batch Slot/ Tubes

10/1
11/2
12/3
13/4
14/5
15/6
16/7
17/8
18/9
19/1
20/
21/12
22/1

each

Re po
left

7/8/12 - 7:30

Rapid Assay PCB Test Kit

tubes 1-8 standards
1 & 2 way control
2-6 standard

Rack Slot/ tubes	sample #				# 9 Control Results
10/1	13	SOCW	126	0307	ND
11/2	13	SOCW	127	0307	ND
12/3	13	SOCW	128	0307	ND
13/4 *	13	SOCW	129	0307	2.42 ppm
14/5 *	13	SOCW	130	0307	11.4 ppm
15/6	13	SOCW	131	0204	ND
16/7	13	SOCW	132	0002	ND
17/8	13	SOCW	133	0204	ND
18/9	13	SOCW	134	0002	ND
19/10	13	SOCW	135	0204	ND
20/11 *	13	SOCW	136	0204	52 ppm
21/12	13	SOCW	137	0204	ND
22/13 *	13	SOCW	138	0204	1.37 ppm

Samples Collected
1655
1700
1710
1720
1735
1720
1745
1800

each sample ran as 10 grams - no dilution was made -

Reported results on map left w/ Tom Brent
left site at 11:30 pm

*** RPA II ***
*** SDI ***
PROTOCOL: PCB
TECH ID :_____

LOT # :_____

EXP DATE:_____

Data Reduction: Linear Regression
Transformation: Ln/Logitb
Wavelength : 450 nm
Units : PPM

Equation Of Line:
Slope: -0.6114
Intercept: 0.8353
Corr: 0.9986
Cal Curve:

```
1.2X
    |
    |
    |
    |
    |
0.8+
    |
    |
    |
    |
Abs|        X
0.3+
    |
    |
    |
    |
    |
-0.1
    |
    |
    |
    |
    |
-0.6----+----+----+----X
   -0.69              2.30
        Conc
```

Calibrator Data:

Conc	Abs	Predic	Diff	%Diff	%CV
0.000	1.279	0.000	1.279		
	1.267		1.267		
Mean:	1.273	0.489	0.489	100.000	0.7
0.500	0.982	0.536	0.036	6.652	
	0.988	0.514	0.014	2.788	
Mean:	0.985	0.525	0.025	4.746	0.4
2.000	0.779	1.866	-0.134	-7.153	
	0.786	1.788	-0.212	-11.849	
Mean:	0.783	1.827	-0.173	-9.472	0.7
10.000	0.444	10.875	0.875	8.047	

Transformed Data:

Conc	Abs
-0.693	1.229
0.693	0.467
2.303	-0.598

Control Data:

Ctrl	Abs	Conc
1	0.5294	6.8383

ID_____

Sample Data:

Smpl	Abs	Conc	sample #
1	1.0680	0.2637nd	126
ID_____			
2	1.0925	0.2065nd	127
ID_____			
3	1.0921	0.2074nd	128
ID_____			
4	0.7297	2.4203	129 ☆
ID_____			
5	0.4355	11.4297Hi	130 ☆
ID_____			
6	1.1764	0.0658nd	131
ID_____			
7	1.1546	0.0947nd	132
ID_____			
8	1.1929	0.0474nd	133
ID_____			

ID_____

5 0.4355 11.4297Hi 130 ✱

ID_____

6 1.1764 0.0658nd 131

ID_____

7 1.1546 0.0947nd 132

ID_____

8 1.1929 0.0474nd 133

ID_____

9 1.1991 0.0412nd 134

ID_____

10 1.2171 0.0255nd 135

ID_____

11 0.2172 52.0844Hi 136 ✱

ID_____

12 1.0116 0.4288nd 137

ID_____

13 0.8342 1.3714 138 ✱

ID_____

End*-*

7/9/10

JL Talyor Arrived At Site 7:30
GT & TCC Arrived at 8:30

Met w/ Tom Brent 09:00 - Tom informed us he instructed Tol Test to Excavate a portion of wall where sample 13 SOCW 130 was collected And further excavate Trend along Road where sample 13 SOCW 136 was collected

Tol Test Also excavated "Non-TSCA" soil for disposal -

Samples 13 SOCW 136 And
13 SOCW 130 were not
Sent to lab for Analysis

11 Samples sent to Conpochem Friday for Saturday delivery for analysis of PCB

7/9/10 Morning

Excavation Continued - North end of site - Collected sample At new exposure where 13 SOCW 130 was located - a

13 SOCW 155 0307
13 SOCW 156 0307
13 SOCW 159 0307

Also collected
13 SOCW 146, 147, 148, 149,
150, ~~155~~ GT

7/9 -

Tom Brent stopped by Trailer
And asked if we could collect
samples in area of water line excavation
proposed

Run Test kits and report results.

Then collect remaining samples of exposed
walls and run Test kits in evening

This would allow them to better
stage excavated soil when
excavating water line -
Only samples collect at that time 149 & 150

7/9 afternoon GLT & TCL collected
samples

		Depth	time	Random # Series
13 SOCW	143	0002	1410	8
13 SOCW	144	0002	1400	7
13 SOCW	145	0207	1350	4
13 SOCW	149	0002	1125	14
13 SOCW	150	0207	1140	15
13 SOCW	151	0002	1350	1
13 SOCW	152	0002	1400	2
13 SOCW	153	0002	1400	3
13 SOCW	157	0207	~~1205~~ 1425	5
13 SOCW	158	0207	1410	6
F 13 SOCF	093	Floor	south half	2

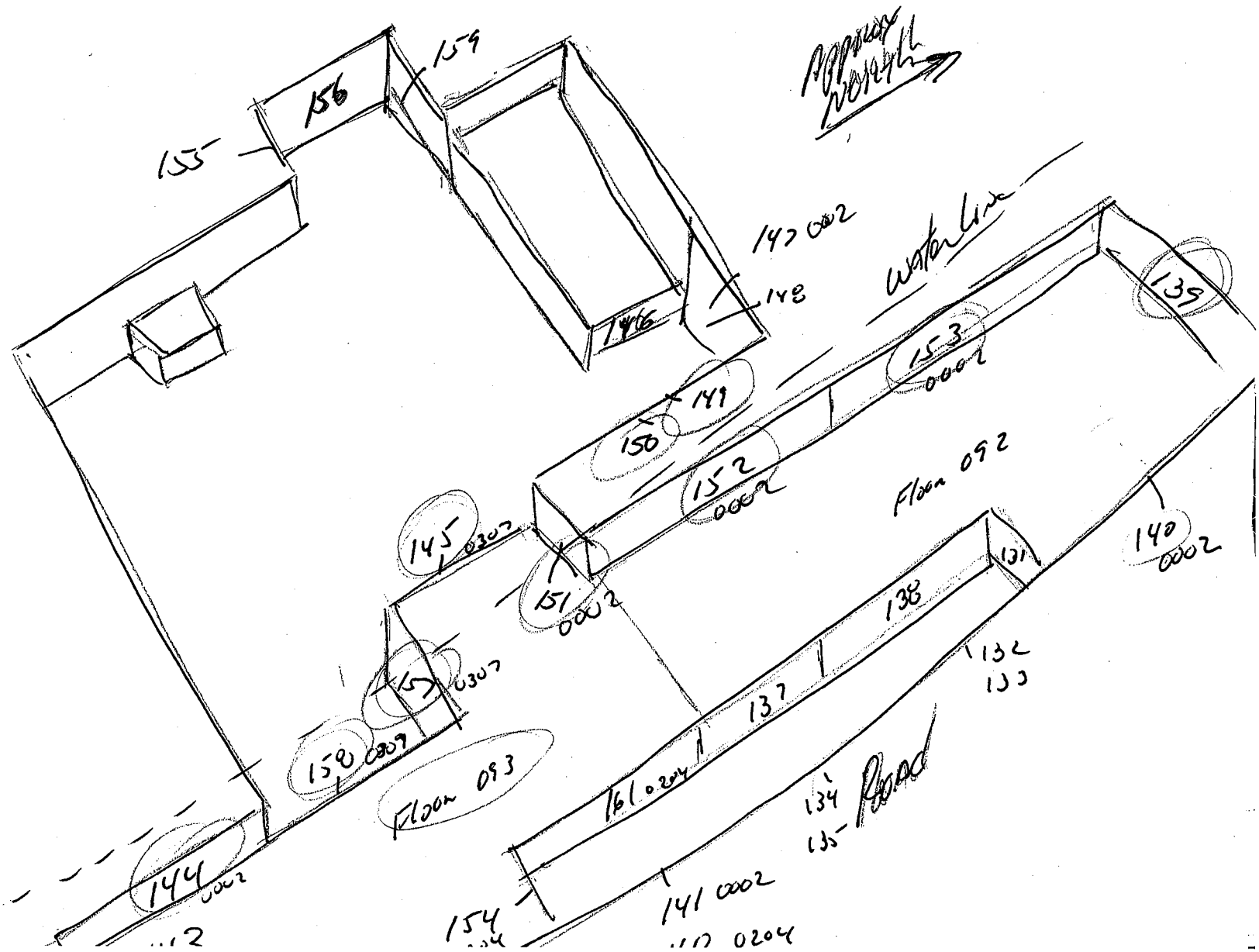
Sample location shown following page

Random Series #

8 2 4 4 1 5 1 - 2 3 5 9 2

Parcel

Entrance



7/9 Afternoon -

As samples were collected, JLT Composit - And prepared test lots -

Began Running Test lots ≈3 pm (1500)
As JLT ran test lot - TCC + GLT Collected remaining samples

Test lot -

slot	Test #		Sample #			Results
10	1	13	SOCW	143	0002	nd
11	2	13	SOCW	144	0002	nd
12	3	13	SOCW	145	0207	nd
13	4	13	SOCW	149	0002	nd
14	5	13	SOCW	150	0207	nd
15	6	13	SOCW	151	0002	16.9
16	7	13	SOCW	152	0002	20.1
17	8	13	SOCW	153	0002	6.5
18	9	13	SOCW	157	0207	ND
19	10	13	SOCW	158	0207	ND
20	11	13	SOCF	093	0002	ND

Sample was 10 grams
no dilution,

Results Reported to Tom Brent at 5:30 pm

TECH ID :_____

LOT # :_____

EXP DATE:_____

Data Reduction: Linear Regression
Transformation: Ln/Logitb
Wavelength : 450 nm
Units : PPM

Equation Of Line:
Slope: -0.7857
Intercept: 1.4731
Corr: 1.0000
Cal Curve:

```
2.0X
    |
    |
    |
    |
1.4+
    |
    |
    |
Abs|
0.8+        X
    |
    |
    |
    |
0.2+
    |
    |
    |
    |
-0.3----+----+----+----X
   -0.69              2.30
         Conc
```

Calibrator Data:

Conc	Abs	Predic	Diff	%Diff	%CV
0.000	1.003	0.000	1.003		
	1.006		1.006		
Mean:	1.005	1.815	1.815	100.000	0.3
0.500	0.898	0.432	-0.068	-15.817	
	0.874	0.578	0.078	13.542	
Mean:	0.886	0.503	0.003	0.573	1.9
2.000	0.736	1.813	-0.187	-10.341	
	0.708	2.155	0.155	7.175	
Mean:	0.722	1.979	-0.021	-1.075	2.7
10.000	0.413	10.272	0.272	2.652	
	0.422	9.832	-0.[illegible]	-1.706	
Mean:	0.418	10.050	0.050	0.494	1.4

Ctrl	Abs	Conc
1	0.5206	5.9423

ID_____

Sample Data:

Smpl	Abs	Conc	
1	0.9839	0.0477nd	143
ID_____			
2	0.9950	0.0175nd	144
ID_____			
3	0.9409	0.2114nd	145
ID_____			
4	nd		149
ID_____			
5	nd		150
ID_____			
6	0.7246	1.9431	151
ID_____			
7	0.2928	20.1951Hi	152
ID_____			
8	0.5025	6.5111	153
ID_____			
9	nd		157
ID_____			
10	nd		158
ID_____			
11	0.9360	0.2340nd	F 093
ID_____			

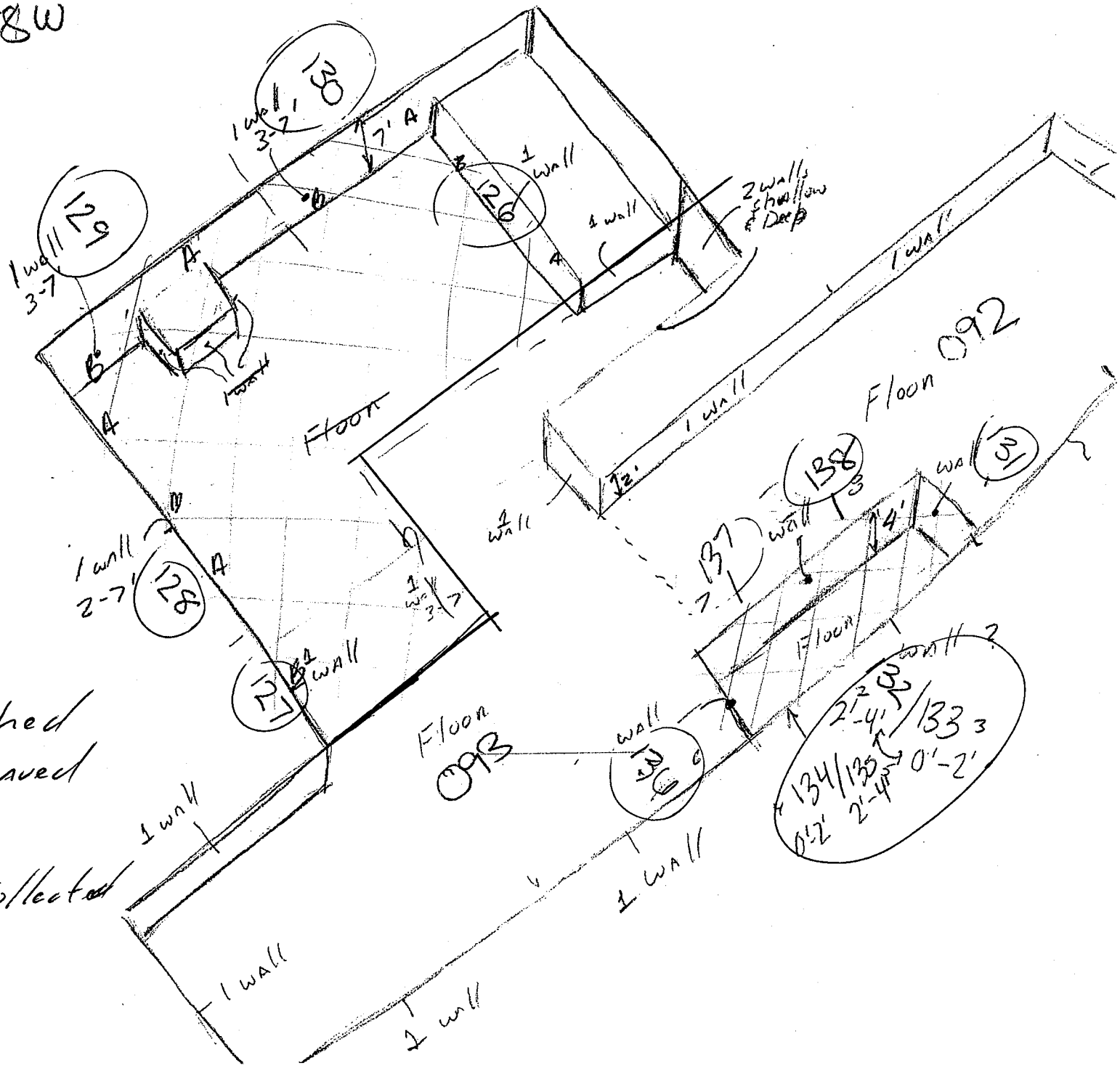
End*-*

Initial plan -

Thurs

126-138 W

Slr.



Samples
126 → 130
Collected
w/ Backhoe
& Random
Floor & SW Bound.
Deemed 12x by
T. Brent not
Sampled

Cross hatched
Area Excaved
7/8/10

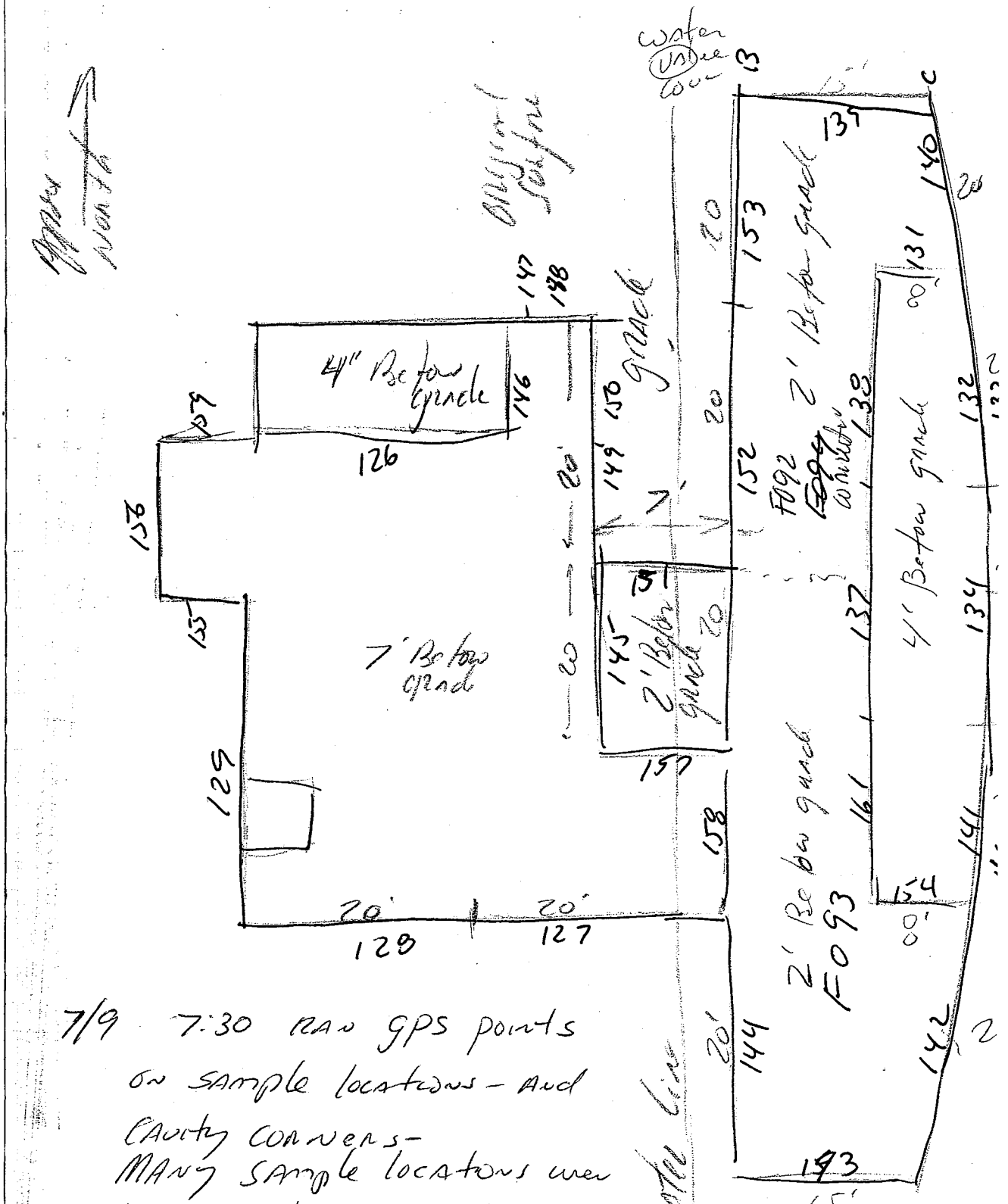
Samples collected
circled

7/9 Discussion w/ Tom Brent regarding afternoon test lots -
Samples 151 & 152 & 153 are issues
Tom told Tol Test to segregate soil in Area of 152 13 SOCW 152 Because of possible "> TSCA" elevated concentration

7/9 Late Afternoon
OCT & TCC collect samples

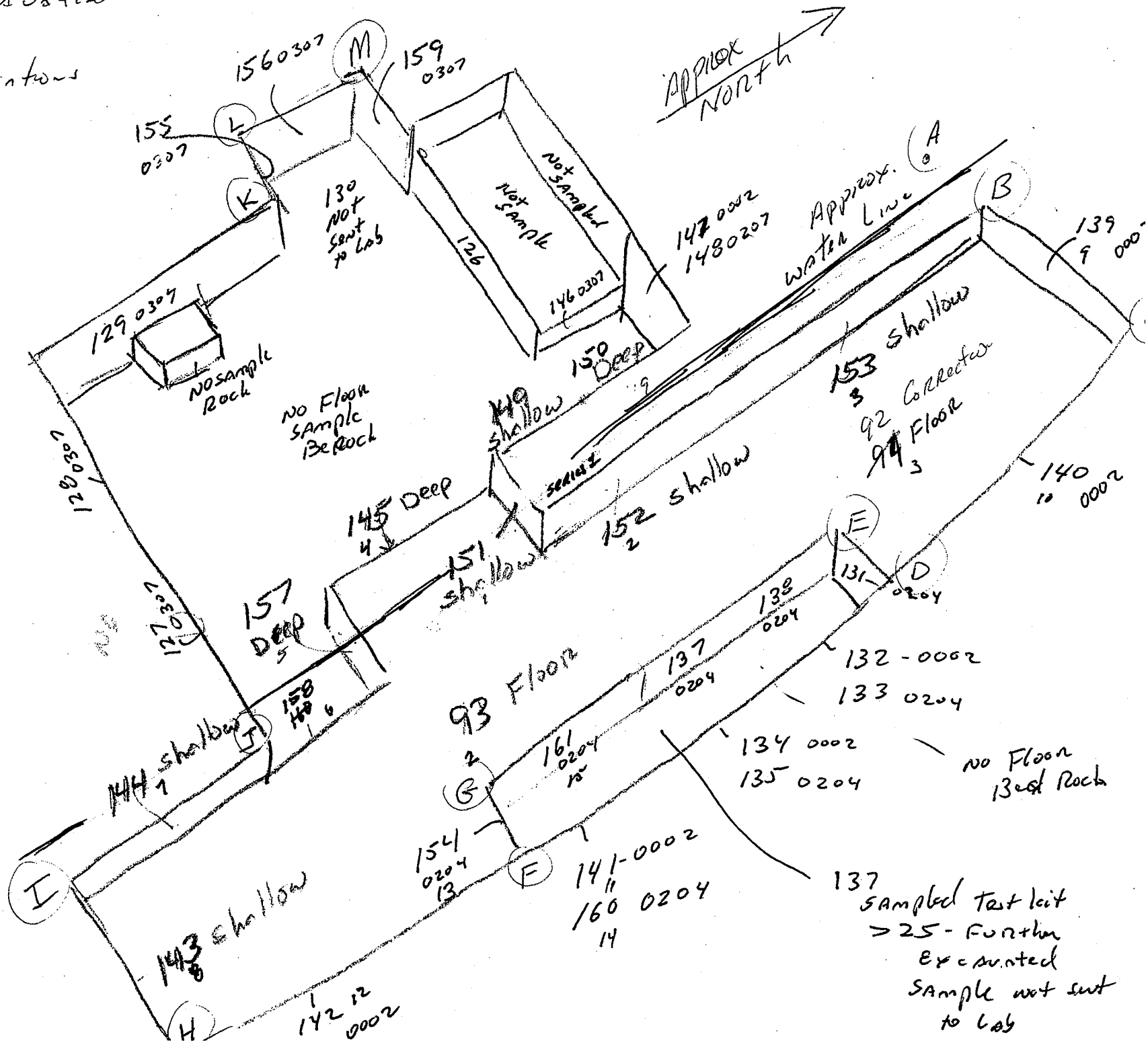
				Time	Se
13	SOCW	139	0002	1625	–
13	SOCW	140	0002	1615	
13	SOCW	141	0002	1710	1
13	SOCW	142	0002	1645	1
13	SOCW	160	0204	1624	1
13	SOCW	161	0204	1620	1
13	SOCW	154	0204	1705	1
13	SOCF	092	0002	1630	1

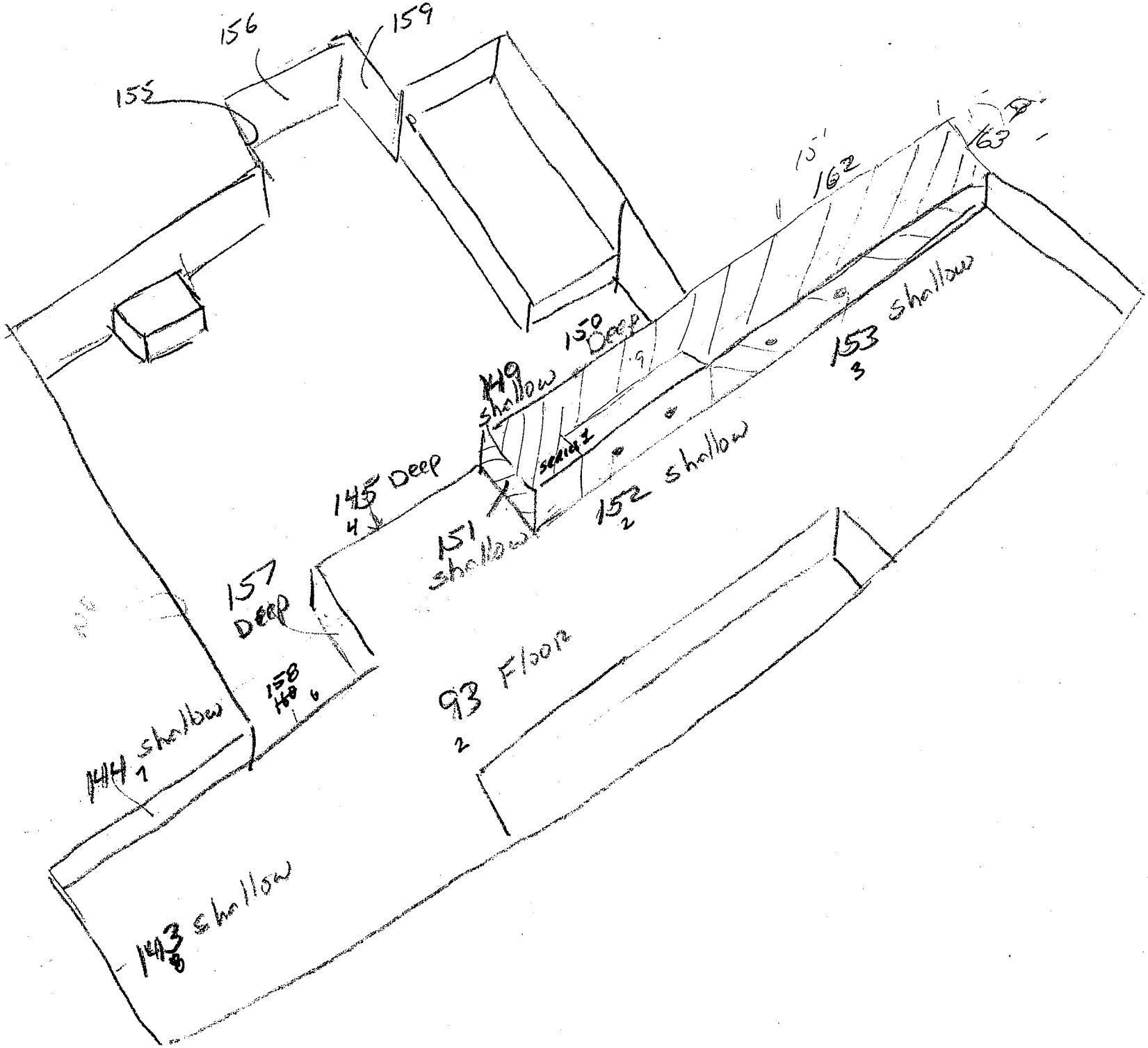
Samples 141, 160, 161, & 154 are results of further excavating trench where Test lot showed elevated concentration of in sample 13 SOCW 13 SOCW 136 (52 ppm Test lot) the soil was excavated and treated as TSCA -



7/9 7:30 RAN GPS points on sample locations - And Cavity corners - MANY sample locations were Between slugoots locations and Center area of wall -

Final Excavation
7/9/10
Sample locations




156
159
155
163
162
150 Deep
149 shallow
153 shallow
3
145 Deep
4
151 shallow
152 shallow
2
157 Deep
158
6
93 Floor
2
144 shallow
1
143 shallow

7/9 Evening Test Kit -
Began 7:30

Slot/tube					Results
1	13	SOCW	139	0002	ND
2	13	SOCW	140	0002	ND
3	13	SOCW	141	0002	ND
4	13	SOCW	142	0002	ND
5	13	SOCW	146	0407	ND
6	13	SOCW	147	0002	ND
7	13	SOCW	148	0207	ND
8	13	SOCW	154	0204	3.173ppm
9	13	SOCW	155	0307	9.3 **
10	13	SOCW	156	0207	ND
11	13	SOCW	159	0307	ND
12	13	SOCW	161	0204	ND
13	13	SOCF	092	0002	ND

* Ran on 4 grams of sample
** Ran on 10 grams of sample

Results reported to Tom Brent at 9:00 pm
~~Area of~~ BIT
left Trailer at 10:30

*** RPA II ***
*** SDI ***
PROTOCOL: PCB
TECH ID :_____

LOT # :_____

EXP DATE:_____

Data Reduction: Linear Regression
Transformation: Ln/Logitb
Wavelength : 450 nm
Units : PPM

Equation Of Line:
Slope: -0.7[illegible]
Intercept: [illegible]
Corr: 0.99[illegible]
Cal Curve:

```
2.1X
    |
    |
    |
    |
    |
1.5+
    |
    |
    |
    |
Abs|        X
1.0+
    |
    |
    |
    |
    |
0.4+
    |
    |
    |
    |
    |
-0.2----+----+----+----X
   -0.69              2.30
         Conc
```

Calibrator Data:

Conc	Abs	Predic	Diff	%Diff	%CV
0.000	1.235	0.000	1.235		
	1.528		1.528		
Mean:	1.381	1.382	1.382	100.000	15.0**
0.500	1.210	0.658	0.158	24.049	
	1.255	0.421	-0.079	-18.853	
Mean:	1.233	0.534	0.034	6.414	2.6
2.000	1.063	1.734	-0.266	-15.373	
	1.056	1.803	-0.197	-10.952	
Mean:	1.060	1.768	-0.232	-13.132	0.5
10.000	0.619	10.915	0.915	8.383	

10.000	0.619	10.915	0.915	8.383
	0.635	10.271	0.271	2.636
Mean:	0.627	10.588	0.588	5.550
1.8				

Transformed Data:

Conc	Abs
-0.693	2.113
0.693	1.192
2.303	-0.186

Control Data:

Ctrl	Abs	Conc
1	0.7760	6.0240

ID_____

Sample Data:

Smpl	Abs	Conc	
1	nd	139	
ID_____			
2	nd	140	
ID_____			
3	nd	141	
ID_____			
4	nd	142	
ID_____			
5	nd	146	
ID_____			
6	nd	147	
ID_____			
7	nd	148	
ID_____			
8	1.1183	1.2698	154 Correct 3.173
ID_____			
9	0.6599	9.3354	155
ID_____			

8 1.1183 1.2698 3.173

ID_____

9 0.6599 9.3354 155

ID_____

10 nd 156

ID_____

11 nd 159

ID_____

12 nd 161

ID_____

13 1.3430 0.0825nd 92

ID_____

End*-*
07/09/10 05:46:57

GLH

7/10 packed and Shipped samples to Lab -

Field Duplicates -

13 SOCW 162 = FD 071010-01

13 SOCW 151 = FD 070910-01

At 8 Am Met w/ Tom Brent in Tracda -

Tom Asked that samples 13 SOCW 152 & 13 SOCW 155 Be sent to Lab for 24-hour TAT -

His concern ~~was~~ is the AREA surrounding sample 152 may be > 50 ppm and therefore TSCA waste -

Also concerned Because sample 155 had test kit results at 9.3 ppm

Tol Test excavated cavity to expose water line - soil excavated from Area where samples 151, 152, 153, & 149 were collected were placed on plastic sheets for further Disposal -

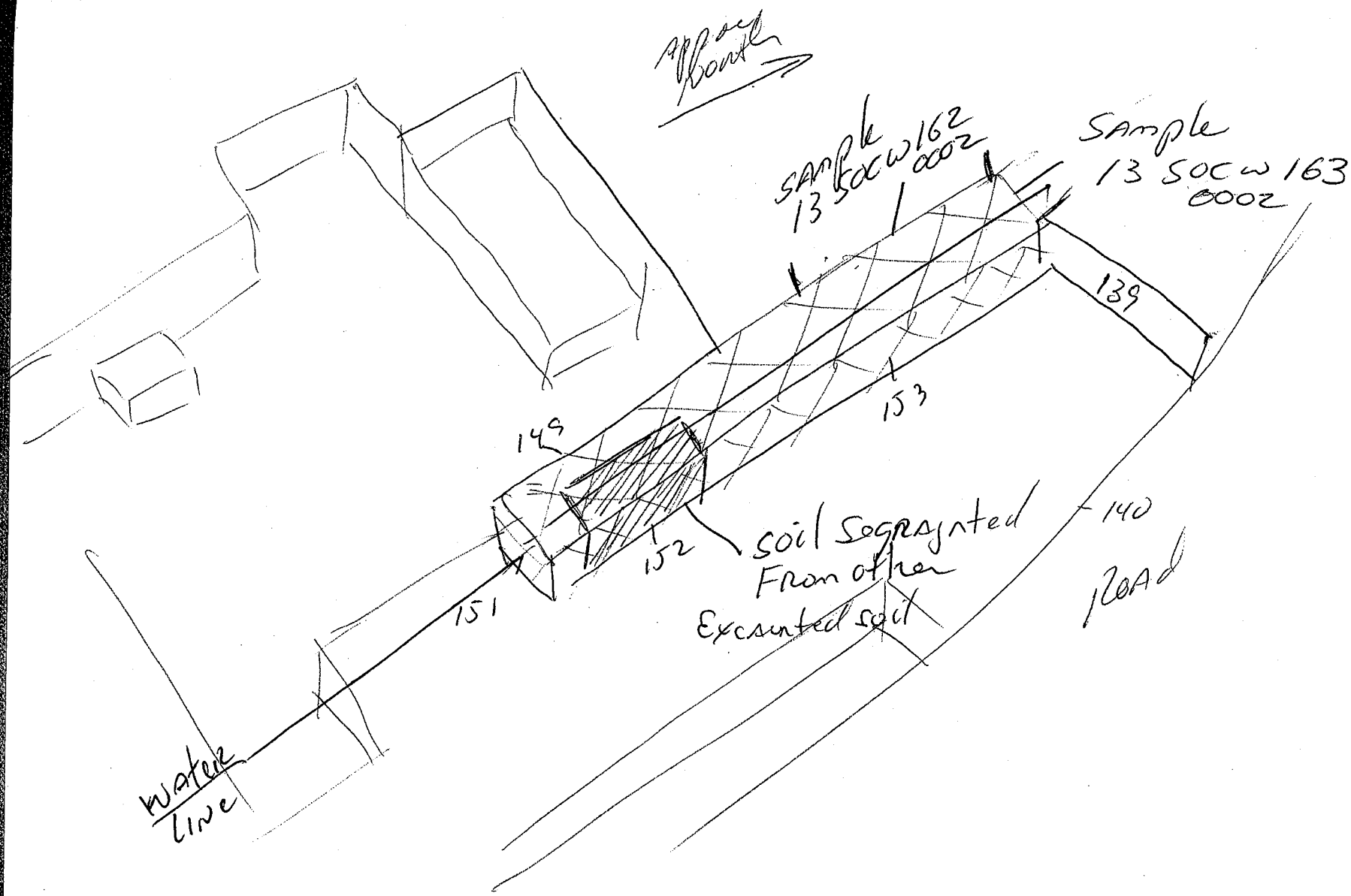
Soil from Area surrounding sample 152 was segregated from other staged soil

Tol Test Replaced water line 40' w/ plastic line -

Excavation exposed two new faces -

At 10:00 Am GLH & TCC collect additional sample

See next page

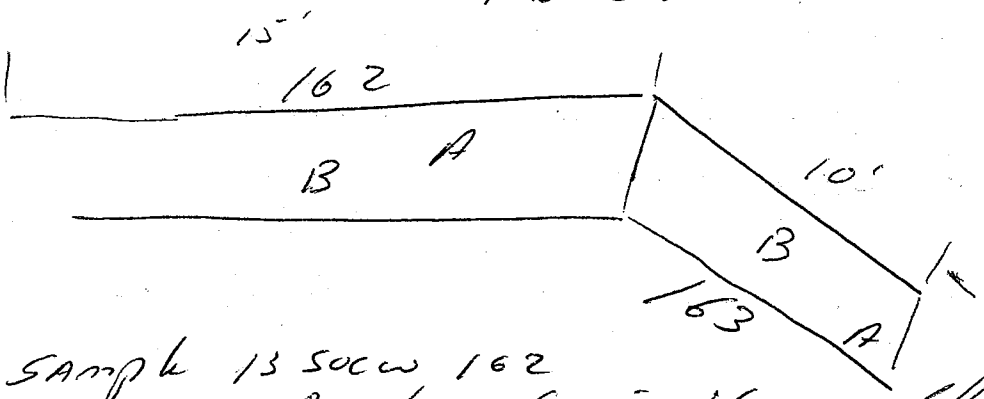

Approx North
Sample 13 SOCW162 0002
Sample 13 SOCW163 0002
139
153
149
152
151
140
soil segregated From other Excavated soil
road
water line

7/0

Water line exposed ≈2' Below cavity floor
Approximately 50 feet deep from original grade

Collected samples

13 SOCW 162 0002 -
made Field Dup of this sample
FD 071010-01



sample 13 SOCW 162
Random Series 16 Collected 9:45

sample 13 SOCW 163
Random Series 17
Collected 9:55

Collected GPS readings of cavity corners & locations
Composited samples, pack for shippment

7/10

Sent 3 Coolers to Lab pacheco for ACB Analysis
four chain of Custody to show 24-hour
turn around time for samples
13 SOCW 152 & 13 SOCW 155.

Sent. 23 samples collected 7/9
And 2 samples collected 7/10
2 Field Duplicates to Lab
for Std TAT

Send 2 samples to Lab for 24-hour
TAT

Samples for Std TAT

13 SOCW 139
140
141
142
143
145
146
144
147
148
149
150
151
153
154
156
157
158
160
161

13 SOCF 092
↓ 093

13 SOCW 162
↓ 163

FD 071010-101 = 13SOCW 162

FD 070510-01 13SOCW 151

7/10

5.

Fin

Sa

GC

7/12

7/13

7/10

Samples sent for 24 hour TAT

13 SOCW 152
13 SOCW 150

Analysis

our

Finished about 1 pm - Cleaned Trailer

SATaylor took samples to Bloomington FedEx left at 1:15 (1315)

GCT & TCC continued to clean Trailer and left about 1340 -

7/12 Tom Brent call Monday morning and asked that lab also analyze sample 13 SOCW 162 & 13 SOCW 163 for 24-hour TAT -

24-hour

2

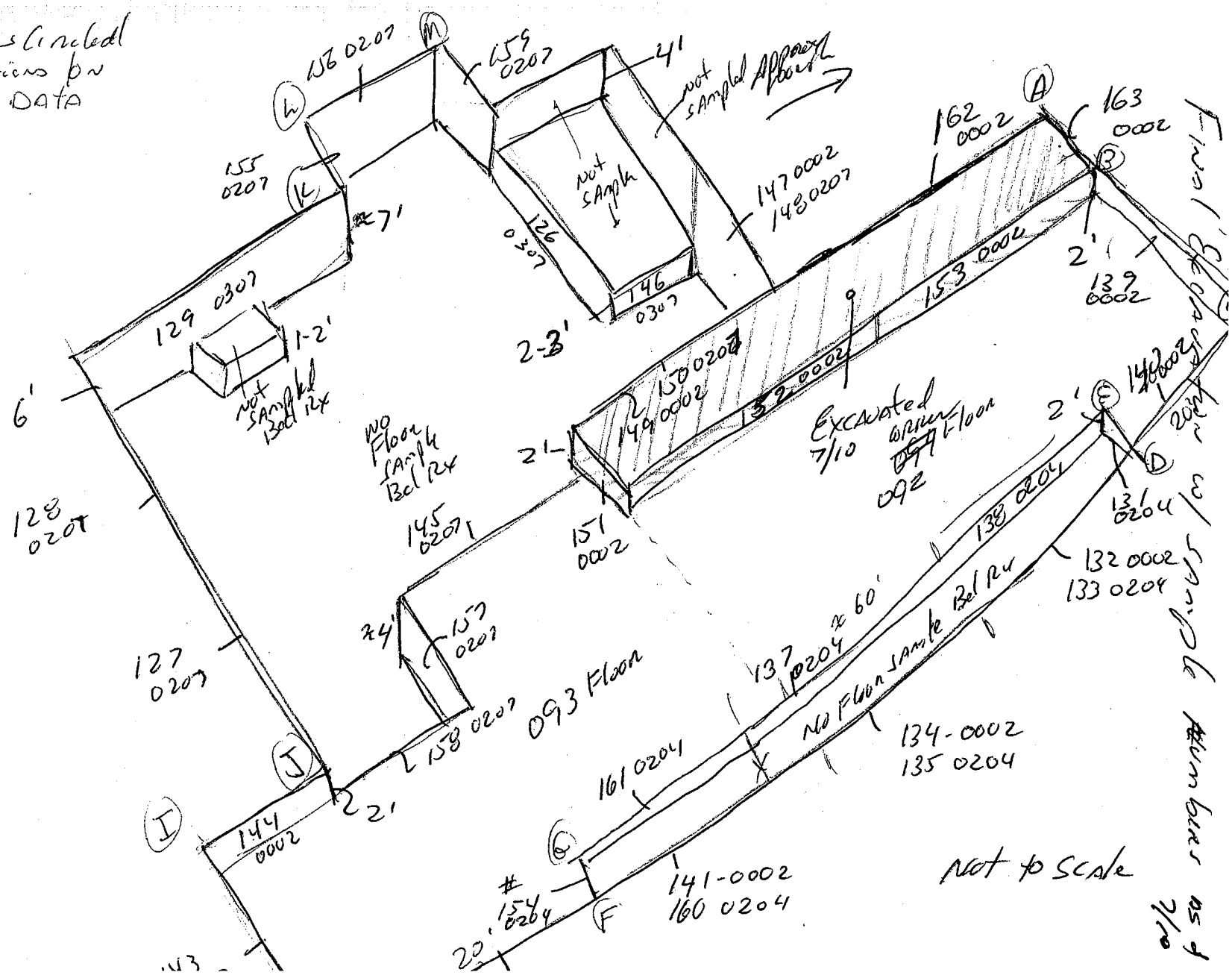
3

2

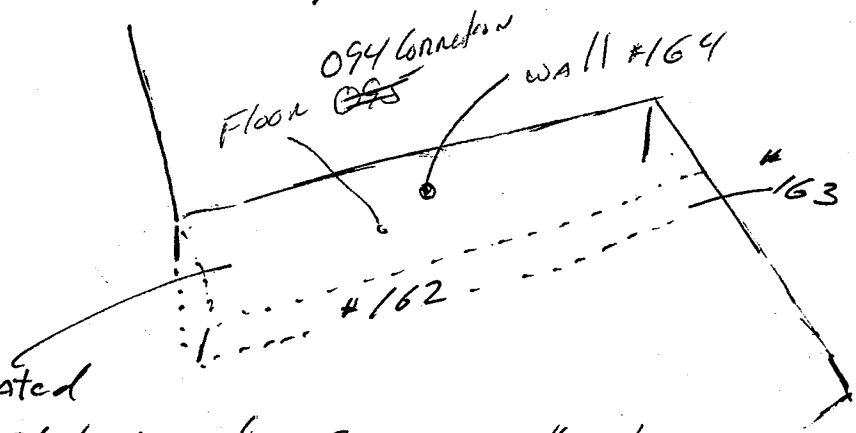
7/13 Recieved analytical results and reported to Tom Brent.

of = 13 SOCW 162

of 13 SOCW 151


Letters Circled identifications on GPS-DATA
not sampled Approach
not sample
not sample Bel RX
No Floor sample Bel RX
Excavated 7/10 Approx 092 Floor
093 Floor
No Floor sample Bel RX
Not to Scale
Final Sample Locations 7/10

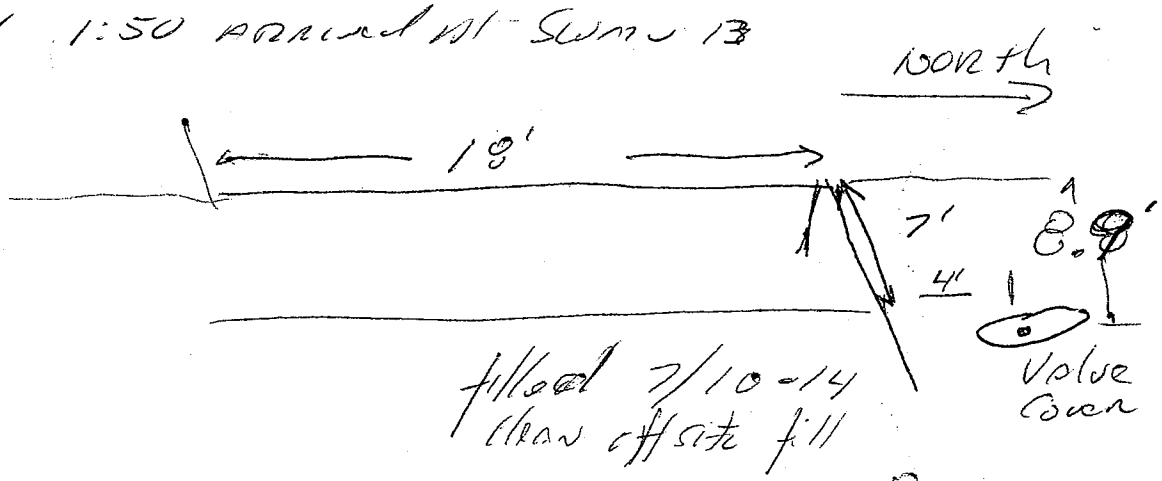
7/14 At Site Trader
12:50 Met w/ T. Brent - asked two samples be collect from area of
#162 - newly exposed face - and newly exposed floor

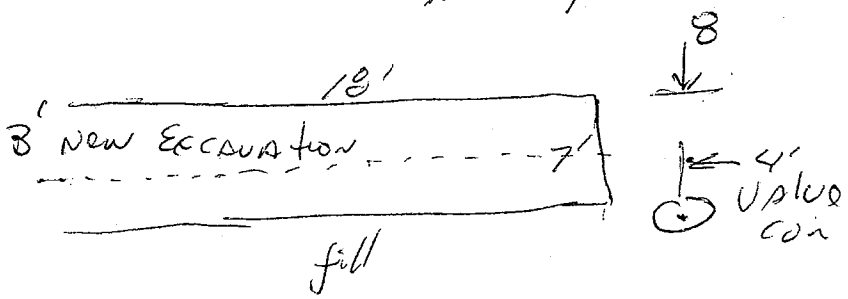


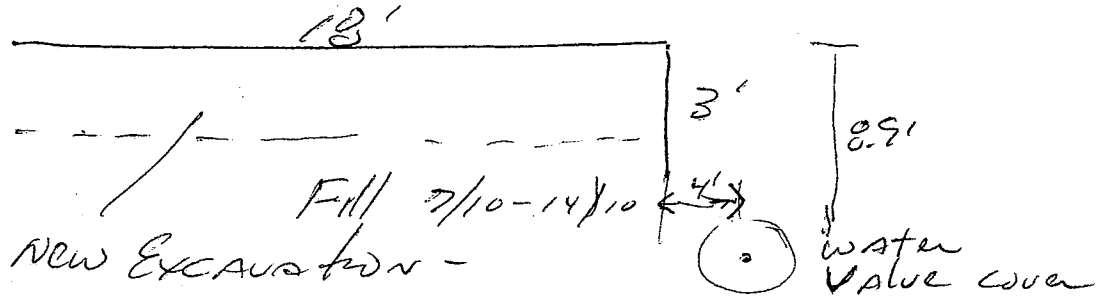
Excavated
7/14 2-3' foot wide East of wall where
13 SOCW 162 was collected.

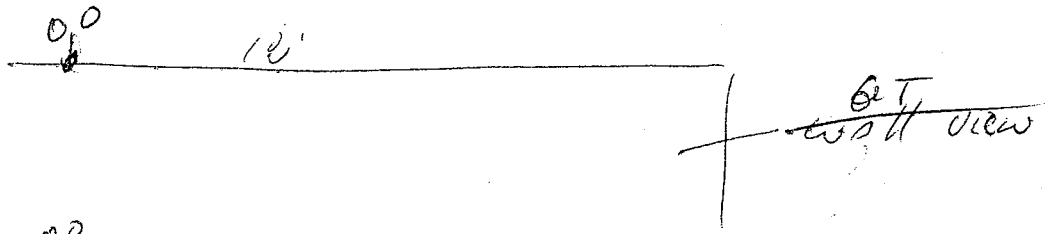
Asked to
RUN Test kits on these two samples
plus PCB samples collected at FTA

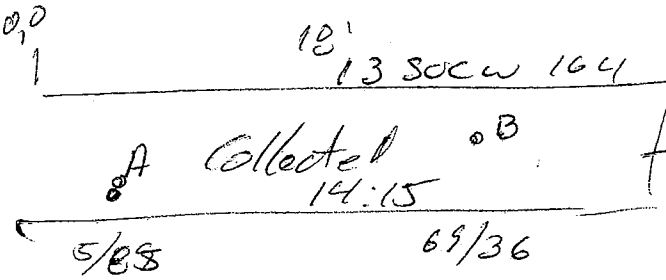
7/14 1:50 Arrived at Sump 13



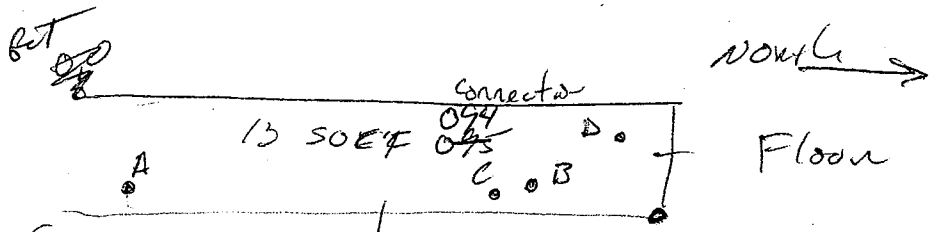








Used Series 1 Random # Table 3-6 SOMO 9 QAPP



Floor Series 4 — Collected 0,0 NE corner

A 97, 13
B 81, 32
C 28, 2
D 3, 70

2:35 = 14:35

2:36

T. Brout stopped by concerned w/ sample locations

left site at 2:51 (14:51)

7/14 9:42 pm

Ran Test kit on samples called 7/14

13 SOCW 164

13 SOCF ~~095~~ 094 Results Non-Detect
correction

samples Ran w/ 6 samples collect from
SWMU 9 Fire training area - Rapid Assy
Tape Read out in that Log Book.

left trail at 10 pm - Reported to Tom Brown

7/15 Arrived at Trailer 8:20

Clean up Test kits.
Spoke w/ T Brent regarding results of
Sample P3 SOCW 155 Be is >30ppm
To/Test Excated wall exposing new face
to collect sample 3-7' on new face
Send to lab 24-hour TAT.

Arrived at SWMU 13 10:17

have to re create cavity w/ known points.
unable to do so - to/Test will locate
Based on other surveys
Tom B, Wayne C GET met on site
A 10:30 and discussed Difficulty locating
wall Because of Backfill & surface work.
Tom said To/Test will Locate wall and
Excavate July 19, 2000 Monday and Asked
that TetraTech Be there to sample

left trailer at 5:30

Dropped Fax Ex, Bloomington at 6:00

7/19/2010

1400 arrived at SWMU 13 site location. Tol Test had marked out the area using a surveyor + excavated a 4' deep, 4' foot wide + 13 foot long area approximately 54 feet from the road.

1410 two aliquots were sampled for 13SCCW165 using sampling series #16; sample was collected from the southern wall of the cavity at a depth of 2 to 4 feet. the composited sample was a mix of tan sand + white sandy clay.

APPENDIX F

TOLTEST'S ANALYTICAL RESULTS

F.1 TOLTEST'S WASTE CHARACTERIZATION RESULTS

F.2 TOLTEST'S BACKFILL ANALYTICAL RESULTS

F.1 TOLTEST'S WASTE CHARACTERIZATION RESULTS

ANALYTICAL REPORT

Job Number: 280-1959-1

SDG Number: 23050.01, Task Order 0056

Job Description: SWMU9, NSA Crane Naval Station, IN

For:
Toltest Inc.
1480 Ford Street
Maumee, OH 43537

Attention: Mr. Sean Boyle

Approved for release.
Michelle Johnston
Project Manager I
11/22/2010 4:25 PM

Michelle Johnston
Project Manager I
michelle.johnston@testamericainc.com
11/22/2010
Revision: 2

cc: Mr. Brian Morgan

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE
Client: Toltest Inc.
Project: SWMU9, NSA Crane, IN 23050.01
Report Number: 280-1959-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The following report contains the analytical results for four samples received April 2, 2010, according to documented sample acceptance procedures. The samples were received at a temperature of 2.1°C. No anomalies were encountered during sample receipt.

TCLP METALS

Samples FFA-E-01 (280-1959-1), FFA-E-02 (280-1959-2), FFA-W-03 (280-1959-3) and FFA-W-04 (280-1959-4) were analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The samples were leached on 04/04/2010, prepared on 04/05/2010 and analyzed on 04/06/2010.

Barium and Selenium were detected in method blank LB 280-9649/1-B at levels less than one half the reporting limits. The values should be considered estimates and have been flagged “J”. If the associated samples reported results above the MDL and/or RL, the results have been “B” flagged.

Selenium was detected in method blank LB2 280-9650/1-B at a level less than one half the reporting limit. The value should be considered an estimate and has been flagged “J”. If the associated samples reported results above the MDL and/or RL, the results have been “B” flagged.

The post digestion spikes and serial dilutions performed on samples FFA-E-01 (280-1959-1) and FFA-W-03 (280-1959-3) for Method 1311/6010B associated with prep batches 280-9771 and 280-9773 exhibited percent recoveries within the control limits.

The ICSA solution for the Method 1311/6010B analysis associated with batch 280-9927 was above DoD QSM Version 4.1 criteria of less than 2X the MDL for Chromium. The laboratory has confirmed with the vendor this element is a trace impurity in the ICSA solution; therefore, no corrective action was needed and no qualifiers were applied.

Please note the method 6010B method detection limit (MDL) date on Form 9 is incorrect. The correct MDL date is 1/29/10.

Refer to the QC report for details.

No other difficulties were encountered during the TCLP metals analyses.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples FFA-E-01 (280-1959-1), FFA-E-02 (280-1959-2), FFA-W-03 (280-1959-3) and FFA-W-04 (280-1959-4) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 04/04/2010, prepared on 04/05/2010 and 04/09/2010 and analyzed on 04/06/2010 and 04/09/2010.

No difficulties were encountered during the TCLP mercury analyses.

All quality control parameters were within the acceptance limits.

REVISION 1

In late March, an internal LIMS programming change to rounding and significant figures inadvertently impacted the reporting convention of the DoD QSM 4.1. As a result, values detected between the MDL and LOD were flagged “U” at the LOD concentration rather than “J” with the actual result reported, as required in the QSM 4.1 manual. The problem was corrected on June 11, 2010. Jobs reported during the time frame require revision in order to correct the data for any missing “J” value results.

REVISION 2

In accordance with the client’s instructions given on November 18, 2010, the report was revised to list the project name as SWMU9, NSA Crane, IN instead of Mine Fill B, NSA Crane, IN.

SAMPLE SUMMARY

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-1959-1	FFA-E-01	Solid	03/31/2010 1400	04/02/2010 1000
280-1959-2	FFA-E-02	Solid	03/31/2010 1410	04/02/2010 1000
280-1959-3	FFA-W-03	Solid	03/31/2010 1415	04/02/2010 1000
280-1959-4	FFA-W-04	Solid	03/31/2010 1420	04/02/2010 1000

EXECUTIVE SUMMARY - Detections

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
280-1959-1	**FFA-E-01**					
TCLP						
Barium		0.81	J	1.0	mg/L	6010B
Selenium		0.024	J	0.10	mg/L	6010B
280-1959-2	**FFA-E-02**					
TCLP						
Barium		0.87	J	1.0	mg/L	6010B
Lead		0.013	J	0.50	mg/L	6010B
Selenium		0.026	J	0.10	mg/L	6010B
280-1959-3	**FFA-W-03**					
TCLP						
Barium		0.63	J	1.0	mg/L	6010B
Cadmium		0.0054	J	0.10	mg/L	6010B
Chromium		0.0042	J	0.50	mg/L	6010B
Lead		0.081	J	0.50	mg/L	6010B
Selenium		0.030	J	0.10	mg/L	6010B
280-1959-4	**FFA-W-04**					
TCLP						
Barium		0.73	J	1.0	mg/L	6010B
Cadmium		0.0066	J	0.10	mg/L	6010B
Lead		0.074	J	0.50	mg/L	6010B
Selenium		0.025	J	0.10	mg/L	6010B

METHOD SUMMARY

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7470A	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Mercury	TAL DEN		SW846 7470A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Method	Analyst	Analyst ID
SW846 6010B	Trudell, Lynn-Anne	LT
SW846 7470A	Stoltz, Katie	KS

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Client Sample ID: **FFA-E-01**

Lab Sample ID: 280-1959-1
Client Matrix: Solid

Date Sampled: 03/31/2010 1400
Date Received: 04/02/2010 1000

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 280-9927		Instrument ID:	MT_025
Preparation:	3010A	Prep Batch: 280-9771		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9649		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 0959			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.065	U	0.022	0.50
Barium		0.81	J	0.0020	1.0
Cadmium		0.0070	U	0.0020	0.10
Chromium		0.0045	U	0.0030	0.50
Lead		0.035	U	0.013	0.50
Selenium		0.024	J	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 280-9908		Instrument ID:	MT_033
Preparation:	7470A	Prep Batch: 280-9780		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9649		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1307			Final Weight/Volume:	10 mL
Date Prepared:	04/05/2010 1450				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Mercury		0.050000	U	0.000030	0.0020

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Client Sample ID: **FFA-E-02**

Lab Sample ID: 280-1959-2
Client Matrix: Solid

Date Sampled: 03/31/2010 1410
Date Received: 04/02/2010 1000

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 280-9927		Instrument ID:	MT_025
Preparation:	3010A	Prep Batch: 280-9771		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9649		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1012			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.065	U	0.022	0.50
Barium		0.87	J	0.0020	1.0
Cadmium		0.0070	U	0.0020	0.10
Chromium		0.0045	U	0.0030	0.50
Lead		0.013	J	0.013	0.50
Selenium		0.026	J	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 280-9908		Instrument ID:	MT_033
Preparation:	7470A	Prep Batch: 280-9780		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9649		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1316			Final Weight/Volume:	10 mL
Date Prepared:	04/05/2010 1450				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Mercury		0.050000	U	0.000030	0.0020

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Client Sample ID: **FFA-W-03**

Lab Sample ID: 280-1959-3
Client Matrix: Solid

Date Sampled: 03/31/2010 1415
Date Received: 04/02/2010 1000

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 280-9927		Instrument ID:	MT_025
Preparation:	3010A	Prep Batch: 280-9773		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9650		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1031			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.065	U	0.022	0.50
Barium		0.63	J	0.0020	1.0
Cadmium		0.0054	J	0.0020	0.10
Chromium		0.0042	J	0.0030	0.50
Lead		0.081	J	0.013	0.50
Selenium		0.030	J	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 280-10502		Instrument ID:	MT_033
Preparation:	7470A	Prep Batch: 280-10364		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9650		Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1542			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Mercury		0.050000	U	0.000030	0.0020

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Client Sample ID: **FFA-W-04**

Lab Sample ID: 280-1959-4
Client Matrix: Solid

Date Sampled: 03/31/2010 1420
Date Received: 04/02/2010 1000

6010B Metals (ICP)-TCLP

Method:	6010B	Analysis Batch: 280-9927		Instrument ID:	MT_025
Preparation:	3010A	Prep Batch: 280-9773		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9650		Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1043			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.065	U	0.022	0.50
Barium		0.73	J	0.0020	1.0
Cadmium		0.0066	J	0.0020	0.10
Chromium		0.0045	U	0.0030	0.50
Lead		0.074	J	0.013	0.50
Selenium		0.025	J	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Method:	7470A	Analysis Batch: 280-10502		Instrument ID:	MT_033
Preparation:	7470A	Prep Batch: 280-10364		Lab File ID:	N/A
Dilution:	1.0	Leachate Batch: 280-9650		Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1545			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Mercury		0.050000	U	0.000030	0.0020

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

TCLP SPLPE Leachate Blank - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB 280-9649/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 0952
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9771
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	DL	LOQ
Arsenic	0.065	U	0.022	0.50
Barium	0.00305	J	0.0020	1.0
Cadmium	0.0070	U	0.0020	0.10
Chromium	0.0045	U	0.0030	0.50
Lead	0.035	U	0.013	0.50
Selenium	0.0240	J	0.024	0.10
Silver	0.015	U	0.0040	0.50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 280-9649/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 0955
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9771
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 280-9649/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 0957
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9771
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	107	106	80 - 120	1	20		
Barium	111	109	80 - 120	1	20		
Cadmium	110	110	80 - 120	0	20		
Chromium	107	107	80 - 120	0	20		
Lead	104	104	80 - 120	0	20		
Selenium	109	108	80 - 120	1	20		
Silver	108	108	80 - 120	0	20		

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID:	LCS 280-9649/2-B	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-9649/3-B
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	04/06/2010 0955			Date Analyzed:	04/06/2010 0957
Date Prepared:	04/05/2010 1330			Date Prepared:	04/05/2010 1330
Date Leached:	04/04/2010 1641			Date Leached:	04/04/2010 1641

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.28	4.25
Barium	12.0	12.0	13.3	13.1
Cadmium	1.10	1.10	1.21	1.21
Chromium	5.20	5.20	5.56	5.57
Lead	5.50	5.50	5.72	5.70
Selenium	3.00	3.00	3.27	3.24
Silver	1.05	1.05	1.13	1.13

Post Digestion Spike - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-1959-1	Analysis Batch:	280-9927	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-9771	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1009			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.065	U	0.980	1.03	105	75 - 125	
Barium	0.81	J	0.490	1.32	105	75 - 125	
Cadmium	0.0070	U	0.245	0.262	107	75 - 125	
Chromium	0.0045	U	0.245	0.257	105	75 - 125	J
Lead	0.035	U	0.490	0.502	102	75 - 125	
Selenium	0.024	J	0.980	1.07	109	75 - 125	
Silver	0.015	U	0.245	0.242	99	75 - 125	J

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-1959-1	Analysis Batch:	280-9927	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-9771	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1004			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

MSD Lab Sample ID:	280-1959-1	Analysis Batch:	280-9927	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-9771	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1007			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	106	105	80 - 120	0	20		
Barium	109	119	80 - 120	8	20		
Cadmium	109	109	80 - 120	0	20		
Chromium	106	106	80 - 120	0	20		
Lead	103	103	80 - 120	0	20		
Selenium	107	107	80 - 120	0	20		
Silver	106	107	80 - 120	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-1959-1	Units: mg/L		MSD Lab Sample ID:	280-1959-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	04/06/2010 1004			Date Analyzed:	04/06/2010 1007
Date Prepared:	04/05/2010 1330			Date Prepared:	04/05/2010 1330
Date Leached:	04/04/2010 1641			Date Leached:	04/04/2010 1641

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Arsenic	0.065	U	4.00	4.00	4.23	4.22
Barium	0.81	J	12.0	12.0	13.8	15.0
Cadmium	0.0070	U	1.10	1.10	1.20	1.20
Chromium	0.0045	U	5.20	5.20	5.49	5.50
Lead	0.035	U	5.50	5.50	5.66	5.66
Selenium	0.024	J	3.00	3.00	3.22	3.21
Silver	0.015	U	1.05	1.05	1.12	1.13

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Serial Dilution - Batch: 280-9771

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 280-1959-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/06/2010 1002
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9771
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	0.065	U	0.32	NC		U
Barium	0.81	J	0.802	0.99	10	J
Cadmium	0.0070	U	0.035	NC		U
Chromium	0.0045	U	0.022	NC		U
Lead	0.035	U	0.18	NC		U
Selenium	0.024	J	0.38	NC		U
Silver	0.015	U	0.075	NC		U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

TCLP SPLPW Leachate Blank - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: LB2 280-9650/1-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1024
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9773
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	DL	LOQ
Arsenic	0.065	U	0.022	0.50
Barium	0.012	U	0.0020	1.0
Cadmium	0.0070	U	0.0020	0.10
Chromium	0.0045	U	0.0030	0.50
Lead	0.035	U	0.013	0.50
Selenium	0.075	U	0.024	0.10
Silver	0.015	U	0.0040	0.50

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 280-9650/2-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1026
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9773
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

LCSD Lab Sample ID: LCSD 280-9650/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1028
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9773
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. LCS	% Rec. LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Arsenic	103	105	80 - 120	1	20		
Barium	111	111	80 - 120	0	20		
Cadmium	109	110	80 - 120	1	20		
Chromium	108	109	80 - 120	1	20		
Lead	107	108	80 - 120	1	20		
Selenium	106	107	80 - 120	1	20		
Silver	105	105	80 - 120	0	20		

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

LCS Lab Sample ID: LCS 280-9650/2-B
Units: mg/L
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1026
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

LCSD Lab Sample ID: LCSD 280-9650/3-B
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1028
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Arsenic	4.00	4.00	4.12	4.18
Barium	12.0	12.0	13.3	13.3
Cadmium	1.10	1.10	1.19	1.21
Chromium	5.20	5.20	5.61	5.67
Lead	5.50	5.50	5.90	5.95
Selenium	3.00	3.00	3.18	3.22
Silver	1.05	1.05	1.10	1.10

Post Digestion Spike - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 280-1959-3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1040
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9773
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.065	U	0.980	1.05	107	75 - 125	
Barium	0.63	J	0.490	1.15	105	75 - 125	
Cadmium	0.0054	J	0.245	0.275	110	75 - 125	
Chromium	0.0042	J	0.245	0.262	105	75 - 125	J
Lead	0.081	J	0.490	0.582	102	75 - 125	
Selenium	0.030	J	0.980	1.10	109	75 - 125	
Silver	0.015	U	0.245	0.247	101	75 - 125	J

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-1959-3	Analysis Batch:	280-9927	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-9773	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1035			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

MSD Lab Sample ID:	280-1959-3	Analysis Batch:	280-9927	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-9773	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/06/2010 1038			Final Weight/Volume:	50 mL
Date Prepared:	04/05/2010 1330				
Date Leached:	04/04/2010 1641				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	110	109	80 - 120	1	20		
Barium	113	113	80 - 120	1	20		
Cadmium	115	114	80 - 120	1	20		
Chromium	110	108	80 - 120	1	20		
Lead	108	106	80 - 120	2	20		
Selenium	112	110	80 - 120	2	20		
Silver	110	110	80 - 120	0	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-1959-3	Units: mg/L		MSD Lab Sample ID:	280-1959-3
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	04/06/2010 1035			Date Analyzed:	04/06/2010 1038
Date Prepared:	04/05/2010 1330			Date Prepared:	04/05/2010 1330
Date Leached:	04/04/2010 1641			Date Leached:	04/04/2010 1641

	Sample		MS Spike	MSD Spike	MS	MSD
Analyte	Result/Qual		Amount	Amount	Result/Qual	Result/Qual
Arsenic	0.065	U	4.00	4.00	4.41	4.35
Barium	0.63	J	12.0	12.0	14.3	14.2
Cadmium	0.0054	J	1.10	1.10	1.27	1.26
Chromium	0.0042	J	5.20	5.20	5.70	5.62
Lead	0.081	J	5.50	5.50	5.99	5.90
Selenium	0.030	J	3.00	3.00	3.38	3.32
Silver	0.015	U	1.05	1.05	1.16	1.16

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Serial Dilution - Batch: 280-9773

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID: 280-1959-3
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 04/06/2010 1033
Date Prepared: 04/05/2010 1330
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9927
Prep Batch: 280-9773
Units: mg/L

Instrument ID: MT_025
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	0.065	U	0.32	NC		U
Barium	0.63	J	0.640	1.1	10	J
Cadmium	0.0054	J	0.035	NC		U
Chromium	0.0042	J	0.022	NC		U
Lead	0.081	J	0.0662	NC		J
Selenium	0.030	J	0.38	NC		U
Silver	0.015	U	0.075	NC		U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

TCLP SPLPW Leachate Blank - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB2 280-9650/1-D	Analysis Batch:	280-10502	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-10364	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1535			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

Analyte	Result	Qual	DL	LOQ
Mercury	0.050000	U	0.000030	0.0020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID:	LCS 280-9650/2-D	Analysis Batch:	280-10502	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-10364	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1538			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

LCSD Lab Sample ID:	LCSD 280-9650/3-D	Analysis Batch:	280-10502	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-10364	Lab File ID:	N/A
Dilution:	1.0	Units:	mg/L	Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1540			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	104	106	90 - 116	3	10	U	U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID:	LCS 280-9650/2-D	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-9650/3-D
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	04/09/2010 1538			Date Analyzed:	04/09/2010 1540
Date Prepared:	04/09/2010 1000			Date Prepared:	04/09/2010 1000
Date Leached:	04/04/2010 1641			Date Leached:	04/04/2010 1641

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Mercury	0.00500	0.00500	0.050000	U	0.050000	U

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-1959-4	Analysis Batch:	280-10502	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-10364	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1549			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

MSD Lab Sample ID:	280-1959-4	Analysis Batch:	280-10502	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-10364	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	04/09/2010 1551			Final Weight/Volume:	10 mL
Date Prepared:	04/09/2010 1000				
Date Leached:	04/04/2010 1641				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	91	92	90 - 116	1	10	U	U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-1959-4	Units: mg/L	MSD Lab Sample ID: 280-1959-4
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	04/09/2010 1549		Date Analyzed: 04/09/2010 1551
Date Prepared:	04/09/2010 1000		Date Prepared: 04/09/2010 1000
Date Leached:	04/04/2010 1641		Date Leached: 04/04/2010 1641

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Mercury	0.050000	U	0.00500	0.00500	0.050000	U	0.050000	U

Serial Dilution - Batch: 280-10364

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-1959-4	Analysis Batch: 280-10502	Instrument ID: MT_033
Client Matrix:	Solid	Prep Batch: 280-10364	Lab File ID: N/A
Dilution:	5.0	Units: mg/L	Initial Weight/Volume: 10 mL
Date Analyzed:	04/09/2010 1547		Final Weight/Volume: 10 mL
Date Prepared:	04/09/2010 1000		
Date Leached:	04/04/2010 1641		

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.050000	U	0.25000	NC		U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

TCLP SPLPE Leachate Blank - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID: LB 280-9649/1-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1257
Date Prepared: 04/05/2010 1450
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9908
Prep Batch: 280-9780
Units: mg/L

Instrument ID: MT_033
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

Analyte	Result	Qual	DL	LOQ
Mercury	0.050000	U	0.000030	0.0020

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID: LCS 280-9649/2-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1302
Date Prepared: 04/05/2010 1450
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9908
Prep Batch: 280-9780
Units: mg/L

Instrument ID: MT_033
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

LCSD Lab Sample ID: LCSD 280-9649/3-C
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/06/2010 1305
Date Prepared: 04/05/2010 1450
Date Leached: 04/04/2010 1641

Analysis Batch: 280-9908
Prep Batch: 280-9780
Units: mg/L

Instrument ID: MT_033
Lab File ID: N/A
Initial Weight/Volume: 10 mL
Final Weight/Volume: 10 mL

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Mercury	93	92	90 - 116	1	10	U	U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

LCS Lab Sample ID:	LCS 280-9649/2-C	Units:	mg/L	LCSD Lab Sample ID:	LCSD 280-9649/3-C
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Date Analyzed:	04/06/2010 1302			Date Analyzed:	04/06/2010 1305
Date Prepared:	04/05/2010 1450			Date Prepared:	04/05/2010 1450
Date Leached:	04/04/2010 1641			Date Leached:	04/04/2010 1641

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
Mercury	0.00500	0.00500	0.050000	U	0.050000	U

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-1959-1	Analysis Batch: 280-9908	Instrument ID: MT_033
Client Matrix:	Solid	Prep Batch: 280-9780	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	04/06/2010 1312		Final Weight/Volume: 10 mL
Date Prepared:	04/05/2010 1450		
Date Leached:	04/04/2010 1641		

MSD Lab Sample ID:	280-1959-1	Analysis Batch: 280-9908	Instrument ID: MT_033
Client Matrix:	Solid	Prep Batch: 280-9780	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 10 mL
Date Analyzed:	04/06/2010 1314		Final Weight/Volume: 10 mL
Date Prepared:	04/05/2010 1450		
Date Leached:	04/04/2010 1641		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	94	92	90 - 116	3	10	U	U

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-1959-1	Units: mg/L	MSD Lab Sample ID: 280-1959-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	04/06/2010 1312		Date Analyzed: 04/06/2010 1314
Date Prepared:	04/05/2010 1450		Date Prepared: 04/05/2010 1450
Date Leached:	04/04/2010 1641		Date Leached: 04/04/2010 1641

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Mercury	0.050000	U	0.00500	0.00500	0.050000	U	0.050000	U

Serial Dilution - Batch: 280-9780

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-1959-A-1-E SD ^5	Analysis Batch: 280-9908	Instrument ID: MT_033
Client Matrix:	Solid	Prep Batch: 280-9780	Lab File ID: N/A
Dilution:	5.0	Units: mg/L	Initial Weight/Volume: 10 mL
Date Analyzed:	04/06/2010 1309		Final Weight/Volume: 10 mL
Date Prepared:	04/05/2010 1450		
Date Leached:	04/04/2010 1641		

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.050000	U	0.25000	NC		U

DATA REPORTING QUALIFIERS

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

Lab Section	Qualifier	Description
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	U	Undetected at the Limit of Detection.

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-9649					
LCS 280-9649/2-B	Lab Control Sample	P	Solid	1311	
LCS 280-9649/2-C	Lab Control Sample	P	Solid	1311	
LCSD 280-9649/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 280-9649/3-C	Lab Control Sample Duplicate	P	Solid	1311	
LB 280-9649/1-B	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 280-9649/1-C	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-1959-1	FFA-E-01	P	Solid	1311	
280-1959-1MS	Matrix Spike	P	Solid	1311	
280-1959-1MSD	Matrix Spike Duplicate	P	Solid	1311	
280-1959-2	FFA-E-02	P	Solid	1311	
Prep Batch: 280-9650					
LCS 280-9650/2-B	Lab Control Sample	P	Solid	1311	
LCS 280-9650/2-D	Lab Control Sample	P	Solid	1311	
LCSD 280-9650/3-B	Lab Control Sample Duplicate	P	Solid	1311	
LCSD 280-9650/3-D	Lab Control Sample Duplicate	P	Solid	1311	
LB2 280-9650/1-B	TCLP SPLPW Leachate Blank	P	Solid	1311	
LB2 280-9650/1-D	TCLP SPLPW Leachate Blank	P	Solid	1311	
280-1959-3	FFA-W-03	P	Solid	1311	
280-1959-3MS	Matrix Spike	P	Solid	1311	
280-1959-3MSD	Matrix Spike Duplicate	P	Solid	1311	
280-1959-4	FFA-W-04	P	Solid	1311	
280-1959-4MS	Matrix Spike	P	Solid	1311	
280-1959-4MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-9771					
LCS 280-9649/2-B	Lab Control Sample	P	Solid	3010A	280-9649
LCSD 280-9649/3-B	Lab Control Sample Duplicate	P	Solid	3010A	280-9649
LB 280-9649/1-B	TCLP SPLPE Leachate Blank	P	Solid	3010A	280-9649
280-1959-1	FFA-E-01	P	Solid	3010A	280-9649
280-1959-1MS	Matrix Spike	P	Solid	3010A	280-9649
280-1959-1MSD	Matrix Spike Duplicate	P	Solid	3010A	280-9649
280-1959-2	FFA-E-02	P	Solid	3010A	280-9649
Prep Batch: 280-9773					
LCS 280-9650/2-B	Lab Control Sample	P	Solid	3010A	280-9650
LCSD 280-9650/3-B	Lab Control Sample Duplicate	P	Solid	3010A	280-9650
LB2 280-9650/1-B	TCLP SPLPW Leachate Blank	P	Solid	3010A	280-9650
280-1959-3	FFA-W-03	P	Solid	3010A	280-9650
280-1959-3MS	Matrix Spike	P	Solid	3010A	280-9650
280-1959-3MSD	Matrix Spike Duplicate	P	Solid	3010A	280-9650
280-1959-4	FFA-W-04	P	Solid	3010A	280-9650

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-9780					
LCS 280-9649/2-C	Lab Control Sample	P	Solid	7470A	280-9649
LCSD 280-9649/3-C	Lab Control Sample Duplicate	P	Solid	7470A	280-9649
LB 280-9649/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-9649
280-1959-1	FFA-E-01	P	Solid	7470A	280-9649
280-1959-1MS	Matrix Spike	P	Solid	7470A	280-9649
280-1959-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-9649
280-1959-2	FFA-E-02	P	Solid	7470A	280-9649
Analysis Batch:280-9908					
LCS 280-9649/2-C	Lab Control Sample	P	Solid	7470A	280-9780
LCSD 280-9649/3-C	Lab Control Sample Duplicate	P	Solid	7470A	280-9780
LB 280-9649/1-C	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-9780
280-1959-1	FFA-E-01	P	Solid	7470A	280-9780
280-1959-1MS	Matrix Spike	P	Solid	7470A	280-9780
280-1959-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-9780
280-1959-2	FFA-E-02	P	Solid	7470A	280-9780
Analysis Batch:280-9927					
LCS 280-9649/2-B	Lab Control Sample	P	Solid	6010B	280-9771
LCSD 280-9649/3-B	Lab Control Sample Duplicate	P	Solid	6010B	280-9771
LB 280-9649/1-B	TCLP SPLPE Leachate Blank	P	Solid	6010B	280-9771
LCS 280-9650/2-B	Lab Control Sample	P	Solid	6010B	280-9773
LCSD 280-9650/3-B	Lab Control Sample Duplicate	P	Solid	6010B	280-9773
LB2 280-9650/1-B	TCLP SPLPW Leachate Blank	P	Solid	6010B	280-9773
280-1959-1	FFA-E-01	P	Solid	6010B	280-9771
280-1959-1MS	Matrix Spike	P	Solid	6010B	280-9771
280-1959-1MSD	Matrix Spike Duplicate	P	Solid	6010B	280-9771
280-1959-2	FFA-E-02	P	Solid	6010B	280-9771
280-1959-3	FFA-W-03	P	Solid	6010B	280-9773
280-1959-3MS	Matrix Spike	P	Solid	6010B	280-9773
280-1959-3MSD	Matrix Spike Duplicate	P	Solid	6010B	280-9773
280-1959-4	FFA-W-04	P	Solid	6010B	280-9773
Prep Batch: 280-10364					
LCS 280-9650/2-D	Lab Control Sample	P	Solid	7470A	280-9650
LCSD 280-9650/3-D	Lab Control Sample Duplicate	P	Solid	7470A	280-9650
LB2 280-9650/1-D	TCLP SPLPW Leachate Blank	P	Solid	7470A	280-9650
280-1959-3	FFA-W-03	P	Solid	7470A	280-9650
280-1959-4	FFA-W-04	P	Solid	7470A	280-9650
280-1959-4MS	Matrix Spike	P	Solid	7470A	280-9650
280-1959-4MSD	Matrix Spike Duplicate	P	Solid	7470A	280-9650

Client: Toltest Inc.

Job Number: 280-1959-1
Sdg Number: 23050.01, Task Order 0056

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:280-10502					
LCS 280-9650/2-D	Lab Control Sample	P	Solid	7470A	280-10364
LCSD 280-9650/3-D	Lab Control Sample Duplicate	P	Solid	7470A	280-10364
LB2 280-9650/1-D	TCLP SPLPW Leachate Blank	P	Solid	7470A	280-10364
280-1959-3	FFA-W-03	P	Solid	7470A	280-10364
280-1959-4	FFA-W-04	P	Solid	7470A	280-10364
280-1959-4MS	Matrix Spike	P	Solid	7470A	280-10364
280-1959-4MSD	Matrix Spike Duplicate	P	Solid	7470A	280-10364

Report Basis
P = TCLP

Client: Toltest Inc.

Job Number: 280-1959-1
SDG: 23050.01, Task Order 0056

Laboratory Chronicle

Lab ID: 280-1959-1 **Client ID:** FFA-E-01

Sample Date/Time: 03/31/2010 14:00 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-1-B		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-1-B		280-9927	280-9771	04/06/2010 09:59	1	TAL DEN	LT
P:7470A	280-1959-A-1-E		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	280-1959-A-1-E		280-9908	280-9780	04/06/2010 13:07	1	TAL DEN	KS

Lab ID: 280-1959-1 MS **Client ID:** FFA-E-01

Sample Date/Time: 03/31/2010 14:00 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-1-C MS		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-1-C MS		280-9927	280-9771	04/06/2010 10:04	1	TAL DEN	LT
P:7470A	280-1959-A-1-F MS		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	280-1959-A-1-F MS		280-9908	280-9780	04/06/2010 13:12	1	TAL DEN	KS

Lab ID: 280-1959-1 MSD **Client ID:** FFA-E-01

Sample Date/Time: 03/31/2010 14:00 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-1-D MSD		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-1-D MSD		280-9927	280-9771	04/06/2010 10:07	1	TAL DEN	LT
P:7470A	280-1959-A-1-G MSD		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	280-1959-A-1-G MSD		280-9908	280-9780	04/06/2010 13:14	1	TAL DEN	KS

Lab ID: 280-1959-1 SD **Client ID:** FFA-E-01

Sample Date/Time: 03/31/2010 14:00 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-1-B SD ^5		280-9927	280-9771	04/05/2010 13:30	5	TAL DEN	CGG
A:6010B	280-1959-A-1-B SD ^5		280-9927	280-9771	04/06/2010 10:02	5	TAL DEN	LT
P:3010A	280-1959-A-1-B PDS		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-1-B PDS		280-9927	280-9771	04/06/2010 10:09	1	TAL DEN	LT
P:7470A	280-1959-A-1-E SD ^5		280-9908	280-9780	04/05/2010 14:50	5	TAL DEN	KS
A:7470A	280-1959-A-1-E SD ^5		280-9908	280-9780	04/06/2010 13:09	5	TAL DEN	KS

Client: Toltest Inc.

Job Number: 280-1959-1
SDG: 23050.01, Task Order 0056

Laboratory Chronicle

Lab ID: 280-1959-2 **Client ID:** FFA-E-02

Sample Date/Time: 03/31/2010 14:10 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-2-B		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-2-B		280-9927	280-9771	04/06/2010 10:12	1	TAL DEN	LT
P:7470A	280-1959-A-2-C		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	280-1959-A-2-C		280-9908	280-9780	04/06/2010 13:16	1	TAL DEN	KS

Lab ID: 280-1959-3 **Client ID:** FFA-W-03

Sample Date/Time: 03/31/2010 14:15 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-3-B		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-3-B		280-9927	280-9773	04/06/2010 10:31	1	TAL DEN	LT
P:7470A	280-1959-A-3-F		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	280-1959-A-3-F		280-10502	280-10364	04/09/2010 15:42	1	TAL DEN	KS

Lab ID: 280-1959-3 MS **Client ID:** FFA-W-03

Sample Date/Time: 03/31/2010 14:15 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-3-C MS		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-3-C MS		280-9927	280-9773	04/06/2010 10:35	1	TAL DEN	LT

Lab ID: 280-1959-3 MSD **Client ID:** FFA-W-03

Sample Date/Time: 03/31/2010 14:15 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-3-D MSD		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-3-D MSD		280-9927	280-9773	04/06/2010 10:38	1	TAL DEN	LT

Lab ID: 280-1959-3 SD **Client ID:** FFA-W-03

Sample Date/Time: 03/31/2010 14:15 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-3-B SD ^5		280-9927	280-9773	04/05/2010 13:30	5	TAL DEN	CGG
A:6010B	280-1959-A-3-B SD ^5		280-9927	280-9773	04/06/2010 10:33	5	TAL DEN	LT
P:3010A	280-1959-A-3-B PDS		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-3-B PDS		280-9927	280-9773	04/06/2010 10:40	1	TAL DEN	LT

Client: Toltest Inc.

Job Number: 280-1959-1
SDG: 23050.01, Task Order 0056

Laboratory Chronicle

Lab ID: 280-1959-4 **Client ID:** FFA-W-04

Sample Date/Time: 03/31/2010 14:20 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-1959-A-4-B		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	280-1959-A-4-B		280-9927	280-9773	04/06/2010 10:43	1	TAL DEN	LT
P:7470A	280-1959-A-4-F		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	280-1959-A-4-F		280-10502	280-10364	04/09/2010 15:45	1	TAL DEN	KS

Lab ID: 280-1959-4 MS **Client ID:** FFA-W-04

Sample Date/Time: 03/31/2010 14:20 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	280-1959-A-4-G MS		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	280-1959-A-4-G MS		280-10502	280-10364	04/09/2010 15:49	1	TAL DEN	KS

Lab ID: 280-1959-4 MSD **Client ID:** FFA-W-04

Sample Date/Time: 03/31/2010 14:20 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	280-1959-A-4-H MSD		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	280-1959-A-4-H MSD		280-10502	280-10364	04/09/2010 15:51	1	TAL DEN	KS

Lab ID: 280-1959-4 SD **Client ID:** FFA-W-04

Sample Date/Time: 03/31/2010 14:20 Received Date/Time: 04/02/2010 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:7470A	280-1959-A-4-F SD ^5		280-10502	280-10364	04/09/2010 10:00	5	TAL DEN	KS
A:7470A	280-1959-A-4-F SD ^5		280-10502	280-10364	04/09/2010 15:47	5	TAL DEN	KS

Lab ID: LB **Client ID:** N/A

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LB 280-9649/1-B		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LB 280-9649/1-B		280-9927	280-9771	04/06/2010 09:52	1	TAL DEN	LT
P:7470A	LB 280-9649/1-C		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	LB 280-9649/1-C		280-9908	280-9780	04/06/2010 12:57	1	TAL DEN	KS

Client: Toltest Inc.

Job Number: 280-1959-1
SDG: 23050.01, Task Order 0056

Laboratory Chronicle

Lab ID: **LB2** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LB2 280-9650/1-B		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LB2 280-9650/1-B		280-9927	280-9773	04/06/2010 10:24	1	TAL DEN	LT
P:7470A	LB2 280-9650/1-D		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	LB2 280-9650/1-D		280-10502	280-10364	04/09/2010 15:35	1	TAL DEN	KS

Lab ID: **LCS** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCS 280-9649/2-B		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LCS 280-9649/2-B		280-9927	280-9771	04/06/2010 09:55	1	TAL DEN	LT
P:3010A	LCS 280-9650/2-B		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LCS 280-9650/2-B		280-9927	280-9773	04/06/2010 10:26	1	TAL DEN	LT
P:7470A	LCS 280-9649/2-C		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	LCS 280-9649/2-C		280-9908	280-9780	04/06/2010 13:02	1	TAL DEN	KS
P:7470A	LCS 280-9650/2-D		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	LCS 280-9650/2-D		280-10502	280-10364	04/09/2010 15:38	1	TAL DEN	KS

Lab ID: **LCSD** **Client ID:** **N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	LCSD 280-9649/3-B		280-9927	280-9771	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LCSD 280-9649/3-B		280-9927	280-9771	04/06/2010 09:57	1	TAL DEN	LT
P:3010A	LCSD 280-9650/3-B		280-9927	280-9773	04/05/2010 13:30	1	TAL DEN	CGG
A:6010B	LCSD 280-9650/3-B		280-9927	280-9773	04/06/2010 10:28	1	TAL DEN	LT
P:7470A	LCSD 280-9649/3-C		280-9908	280-9780	04/05/2010 14:50	1	TAL DEN	KS
A:7470A	LCSD 280-9649/3-C		280-9908	280-9780	04/06/2010 13:05	1	TAL DEN	KS
P:7470A	LCSD 280-9650/3-D		280-10502	280-10364	04/09/2010 10:00	1	TAL DEN	KS
A:7470A	LCSD 280-9650/3-D		280-10502	280-10364	04/09/2010 15:40	1	TAL DEN	KS

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Hg Daily Spk_00044	04/06/10	04/05/10	1% HNO3, Lot H14024	100 mL	Hg Mnth Spike_00007	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00007	04/28/10	03/31/10	1% HNO3, Lot H14024	100 mL	Hg Ultra Prim_00002	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00002	03/31/11	Ultra Scientific, Lot K00200			(Purchased Reagent)		Mercury	1000 mg/L
Hg Daily Spk_00046	04/10/10	04/09/10	1% HNO3, Lot H14024	100 mL	Hg Mnth Spike_00007	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00007	04/28/10	03/31/10	1% HNO3, Lot H14024	100 mL	Hg Ultra Prim_00002	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00002	03/31/11	Ultra Scientific, Lot K00200			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00041	04/06/10	04/05/10	1% HNO3, Lot H14024	100 mL	Hg Biwk ICV_00015	1 mL	Mercury	0.007 mg/L
.Hg Biwk ICV_00015	04/12/10	03/29/10	1% HNO3, Lot H14024	100 mL	Hg ICV Stock_00001	0.7 mL	Mercury	0.7 mg/L
..Hg ICV Stock_00001	04/02/10	Inorganic Ventures, Lot B2-HG02064			(Purchased Reagent)		Mercury	100 mg/L
Hg H20 ICV_00043	04/10/10	04/09/10	1% HNO3, Lot H14024	100 mL	Hg Biwk ICV_00015	1 mL	Mercury	0.007 mg/L
.Hg Biwk ICV_00015	04/12/10	03/29/10	1% HNO3, Lot H14024	100 mL	Hg ICV Stock_00001	0.7 mL	Mercury	0.7 mg/L
..Hg ICV Stock_00001	04/02/10	Inorganic Ventures, Lot B2-HG02064			(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00037	04/06/10	04/05/10	1% HNO3, Lot H14024	100 mL	Hg Daily Spk_00044	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00044	04/06/10	04/05/10	1% HNO3, Lot H14024	100 mL	Hg Mnth Spike_00007	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00007	04/28/10	03/31/10	1% HNO3, Lot H14024	100 mL	Hg Ultra Prim_00002	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00002	03/31/11	Ultra Scientific, Lot K00200			(Purchased Reagent)		Mercury	1000 mg/L
Hg H2O CCV_00039	04/10/10	04/09/10	1% HNO3, Lot H14024	100 mL	Hg Daily Spk_00046	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00046	04/10/10	04/09/10	1% HNO3, Lot H14024	100 mL	Hg Mnth Spike_00007	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00007	04/28/10	03/31/10	1% HNO3, Lot H14024	100 mL	Hg Ultra Prim_00002	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00002	03/31/11	Ultra Scientific, Lot K00200			(Purchased Reagent)		Mercury	1000 mg/L
ICP ALT CRI_00055	04/06/10	04/05/10	5%/5% HCL/HNO3, Lot see reagent log	100 mL	ICP RLSTD 1A_00002	0.2 mL	Arsenic	0.02 mg/L
							Lead	0.006 mg/L
.ICP RLSTD 1A_00002	03/01/11	Inorganic Ventures, Lot d2-meb318113			(Purchased Reagent)		Arsenic	10 mg/L
							Lead	3 mg/L
ICP CCVL_00036	04/30/10	04/01/10	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00028	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Selenium	1 mg/L
							Barium	0.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Silver	0.5 mg/L
.ICP ICAL1A_00028	05/07/10	03/30/10	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00003	1 mL	Arsenic	2 mg/L
					1000 Pb_00002	1 mL	Lead	2 mg/L
					1000 Se_00001	1 mL	Selenium	2 mg/L
					Icp cal std 3_00001	5 mL	Barium	1 mg/L
							Cadmium	1 mg/L
							Chromium	1 mg/L
							Silver	1 mg/L
..1000 As_00003	03/01/11	Inorganic Venture, Lot c2-as02061			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00002	10/01/10	Inorganic Ventures, Lot C2-PB03009			(Purchased Reagent)		Lead	1000 mg/L
..1000 Se_00001	11/01/10	Inorganic Ventures, Lot C2-SE02008			(Purchased Reagent)		Selenium	1000 mg/L
..Icp cal std 3_00001	09/01/10	Inorganic Ventures, Lot C2-MEB302139			(Purchased Reagent)		Barium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Silver	100 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ICP ICSA_00011	02/01/11	03/24/10	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00002	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.Icp stk ICSA_00002	02/01/11	Inorganic Ventures, Lot c2-meb296063			(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICSAB_00008	05/03/10	03/18/10	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	ANALYTES B_00002	2.5 mL	Barium	0.5 mg/L
							Be	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Co	0.5 mg/L
							Cu	0.5 mg/L
							Lead	1 mg/L
							Mn	0.5 mg/L
							Ni	1 mg/L
							Silver	1 mg/L
							V	0.5 mg/L
							Zn	1 mg/L
					ICP ISAB 1B_00001	2.5 mL	Tl	10 mg/L
					ICP ISAB STD1_00001	2.5 mL	Arsenic	2 mg/L
							B	2 mg/L
							K	50 mg/L
							Li	1 mg/L
							Mo	1 mg/L
							Na	50 mg/L
							P	2 mg/L
							Sb	1 mg/L
							Selenium	5 mg/L
							Sr	1 mg/L
					ICP ISAB STD2_00001	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00001	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.ANALYTES B_00002	01/15/11	SPEX, Lot 40-105as			(Purchased Reagent)		Barium	50 mg/L
							Be	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Co	50 mg/L
							Cu	50 mg/L
							Lead	100 mg/L
							Mn	50 mg/L
							Ni	100 mg/L
							Silver	100 mg/L
							V	50 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zn	100 mg/L
.ICP ISAB 1B_00001	11/03/10		High Purity, Lot 0917426		(Purchased Reagent)		Tl	1000 mg/L
.ICP ISAB STD1_00001	06/25/10		High Purity, Lot 0917425		(Purchased Reagent)		Arsenic	200 mg/L
							B	200 mg/L
							K	5000 mg/L
							Li	100 mg/L
							Mo	100 mg/L
							Na	5000 mg/L
							P	200 mg/L
							Sb	100 mg/L
							Selenium	500 mg/L
							Sr	100 mg/L
.ICP ISAB STD2_00001	06/25/10		High Purity, Lot 0917427		(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00001	04/01/10		Inorganic Ventures, Lot B2-MEB274063		(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICVL_00013	08/19/10	03/19/10	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00001	2 mL	Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Cadmium	0.25 mg/L
							Chromium	0.25 mg/L
							Lead	0.25 mg/L
							Selenium	0.5 mg/L
					Icp ICVL B_00001	2 mL	Silver	0.25 mg/L
.Icp ICVL A_00001	08/19/10		High Purity, Lot 0922535		(Purchased Reagent)		Arsenic	25 mg/L
							Barium	25 mg/L
							Cadmium	25 mg/L
							Chromium	25 mg/L
							Lead	25 mg/L
							Selenium	50 mg/L
.Icp ICVL B_00001	08/19/10		HIGH PURITY, Lot 0923013		(Purchased Reagent)		Silver	25 mg/L
ICP PDS 1_00001	09/01/10		Inorganic Ventures, Lot B2-MEB252096		(Purchased Reagent)		Arsenic	20 mg/L
							Barium	10 mg/L
							Cadmium	5 mg/L
							Chromium	5 mg/L
							Lead	10 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
ICP RL STD_00061	04/06/10	04/05/10	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00001	0.1 mL	Barium	0.005 mg/L
							Cadmium	0.005 mg/L
							Chromium	0.01 mg/L
							Silver	0.01 mg/L
					ICP RLSTD 1A_00002	0.1 mL	Selenium	0.01 mg/L
.ICP RL STD3A_00001	11/01/10		Inorganic Ventures, Lot C2-MEB310043		(Purchased Reagent)		Barium	5 mg/L
							Cadmium	5 mg/L
							Chromium	10 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	10 mg/L
.ICP RLSTD 1A_00002	03/01/11	Inorganic Ventures, Lot d2-meb318113			(Purchased Reagent)		Selenium	10 mg/L
TCLP Spike_00001	07/01/10	Inorganic Ventures, Lot C2-MEB297051			(Purchased Reagent)		Arsenic	300 mg/L
							Barium	1000 mg/L
							Cadmium	100 mg/L
							Chromium	500 mg/L
							Lead	500 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Project: SWMU9, NSA Crane Naval Station, IN

Client Sample ID	Lab Sample ID
FFA-E-01	280-1959-1
FFA-E-02	280-1959-2
FFA-W-03	280-1959-3
FFA-W-04	280-1959-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: FFA-E-01
Lab Sample ID: 280-1959-1
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG ID.: 23050.01, Task Order 0056
Matrix: Solid
Date Sampled: 03/31/2010 14:00
Reporting Basis: WET
Date Received: 04/02/2010 10:00

CAS No.	Analyte	Result	LOQ	DL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.065	0.50	0.022	mg/L	U		1	6010B
7440-39-3	Barium	0.81	1.0	0.0020	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0070	0.10	0.0020	mg/L	U		1	6010B
7440-47-3	Chromium	0.0045	0.50	0.0030	mg/L	U		1	6010B
7439-92-1	Lead	0.035	0.50	0.013	mg/L	U		1	6010B
7782-49-2	Selenium	0.024	0.10	0.024	mg/L	J		1	6010B
7440-22-4	Silver	0.015	0.50	0.0040	mg/L	U		1	6010B
7439-97-6	Mercury	0.050000	0.0020	0.000030	mg/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: FFA-E-02
Lab Sample ID: 280-1959-2
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG ID.: 23050.01, Task Order 0056
Matrix: Solid
Date Sampled: 03/31/2010 14:10
Reporting Basis: WET
Date Received: 04/02/2010 10:00

CAS No.	Analyte	Result	LOQ	DL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.065	0.50	0.022	mg/L	U		1	6010B
7440-39-3	Barium	0.87	1.0	0.0020	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0070	0.10	0.0020	mg/L	U		1	6010B
7440-47-3	Chromium	0.0045	0.50	0.0030	mg/L	U		1	6010B
7439-92-1	Lead	0.013	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.026	0.10	0.024	mg/L	J		1	6010B
7440-22-4	Silver	0.015	0.50	0.0040	mg/L	U		1	6010B
7439-97-6	Mercury	0.050000	0.0020	0.000030	mg/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: FFA-W-03
Lab Sample ID: 280-1959-3
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG ID.: 23050.01, Task Order 0056
Matrix: Solid
Date Sampled: 03/31/2010 14:15
Reporting Basis: WET
Date Received: 04/02/2010 10:00

CAS No.	Analyte	Result	LOQ	DL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.065	0.50	0.022	mg/L	U		1	6010B
7440-39-3	Barium	0.63	1.0	0.0020	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0054	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	0.0042	0.50	0.0030	mg/L	J		1	6010B
7439-92-1	Lead	0.081	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.030	0.10	0.024	mg/L	J		1	6010B
7440-22-4	Silver	0.015	0.50	0.0040	mg/L	U		1	6010B
7439-97-6	Mercury	0.050000	0.0020	0.000030	mg/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: FFA-W-04
Lab Sample ID: 280-1959-4
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG ID.: 23050.01, Task Order 0056
Matrix: Solid
Date Sampled: 03/31/2010 14:20
Reporting Basis: WET
Date Received: 04/02/2010 10:00

CAS No.	Analyte	Result	LOQ	DL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.065	0.50	0.022	mg/L	U		1	6010B
7440-39-3	Barium	0.73	1.0	0.0020	mg/L	J		1	6010B
7440-43-9	Cadmium	0.0066	0.10	0.0020	mg/L	J		1	6010B
7440-47-3	Chromium	0.0045	0.50	0.0030	mg/L	U		1	6010B
7439-92-1	Lead	0.074	0.50	0.013	mg/L	J		1	6010B
7782-49-2	Selenium	0.025	0.10	0.024	mg/L	J		1	6010B
7440-22-4	Silver	0.015	0.50	0.0040	mg/L	U		1	6010B
7439-97-6	Mercury	0.050000	0.0020	0.000030	mg/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICV Source: ICP ICVL_00013 Concentration Units: mg/L

CCV Source: ICP CCVL_00036

Analyte	ICV 280-9927/8 04/05/2010 15:04				ICV 280-9927/9 04/05/2010 15:06				CCV 280-9927/32 04/06/2010 09:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.243	J	0.250	97	0.243	J	0.250	97	0.971		1.00	97
Barium	0.243	J	0.250	97	0.244	J	0.250	98	0.510	J	0.500	102
Cadmium	0.246		0.250	98	0.247		0.250	99	0.504		0.500	101
Chromium	0.250	J	0.250	100	0.251	J	0.250	100	0.507		0.500	101
Lead	0.252	J	0.250	101	0.255	J	0.250	102	0.994		1.00	99
Selenium	0.481		0.500	96	0.484		0.500	97	0.991		1.00	99
Silver	0.247	J	0.250	99	0.247	J	0.250	99	0.505		0.500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICV Source: ICP ICVL_00013 Concentration Units: mg/L

CCV Source: ICP CCVL_00036

Analyte	CCV 280-9927/45 04/06/2010 10:17				CCV 280-9927/58 04/06/2010 10:47							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.980		1.00	98	0.975		1.00	98				
Barium	0.515	J	0.500	103	0.507	J	0.500	101				
Cadmium	0.508		0.500	102	0.508		0.500	102				
Chromium	0.511		0.500	102	0.510		0.500	102				
Lead	1.01		1.00	101	0.996		1.00	100				
Selenium	1.00		1.00	100	0.996		1.00	100				
Silver	0.501		0.500	100	0.492	J	0.500	98				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICV Source: Hg H20 ICV_00041 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00037

Analyte	ICV 280-9908/9 04/06/2010 08:28				CCV 280-9908/109 04/06/2010 12:50				CCV 280-9908/119 04/06/2010 13:19			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.050000	U	0.00700	96	0.050000	U	0.00500	93	0.050000	U	0.00500	89

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICV Source: Hg H20 ICV_00043 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00039

Analyte	ICV 280-10502/9 04/09/2010 12:59				CCV 280-10502/67 04/09/2010 15:28				CCV 280-10502/78 04/09/2010 15:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.050000	U	0.00700	99	0.050000	U	0.00500	104	0.050000	U	0.00500	105

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Analysis Method: 6010B Instrument ID: MT_025

Lab Sample ID: CRI 280-9927/15 Concentration Units: mg/L

CRQL Check Standard Source: ICP RL STD_00061

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	0.00500	0.00486	J	97	80-120
Cadmium	0.00500	0.00495	J	99	80-120
Chromium	0.0100	0.0101	J	101	80-120
Selenium	0.0100	0.075	U	113	80-120
Silver	0.0100	0.00998	J	100	80-120

Lab Sample ID: CRI 280-9927/16 Concentration Units: mg/L

CRQL Check Standard Source: ICP ALT CRI_00055

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0200	0.065	U	92	80-120
Lead	0.00600	0.035	U	88	80-120

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L

Analyte	RL	ICB 280-9927/13 04/05/2010 15:18		CCB 280-9927/33 04/06/2010 09:47		CCB 280-9927/46 04/06/2010 10:19		CCB 280-9927/59 04/06/2010 10:50	
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	0.065	U	0.065	U	0.065	U	0.065	U
Barium	1.0	0.012	U	0.012	U	0.012	U	0.012	U
Cadmium	0.10	0.0070	U	0.0070	U	0.0070	U	0.0070	U
Chromium	0.50	0.0045	U	0.0045	U	0.0045	U	0.0045	U
Lead	0.50	0.035	U	0.035	U	0.035	U	0.035	U
Selenium	0.10	0.075	U	0.075	U	0.075	U	0.075	U
Silver	0.50	0.015	U	0.015	U	0.015	U	0.015	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L

Analyte	RL	ICB 280-9908/8 04/06/2010 08:26		CCB 280-9908/110 04/06/2010 12:54		CCB 280-9908/120 04/06/2010 13:21			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	0.050000	U	0.050000	U	0.050000	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L

Analyte	RL	ICB 280-10502/8 04/09/2010 12:56		CCB 280-10502/68 04/09/2010 15:31		CCB 280-10502/79 04/09/2010 15:56			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	0.050000	U	0.050000	U	0.050000	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L Lab Sample ID: LB 280-9649/1-B

Instrument Code: MT_025 Batch No.: 9927

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.065	U		6010B
7440-39-3	Barium	0.00305	J		6010B
7440-43-9	Cadmium	0.0070	U		6010B
7440-47-3	Chromium	0.0045	U		6010B
7439-92-1	Lead	0.035	U		6010B
7782-49-2	Selenium	0.0240	J		6010B
7440-22-4	Silver	0.015	U		6010B

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L Lab Sample ID: LB2 280-9650/1-B

Instrument Code: MT_025 Batch No.: 9927

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.065	U		6010B
7440-39-3	Barium	0.012	U		6010B
7440-43-9	Cadmium	0.0070	U		6010B
7440-47-3	Chromium	0.0045	U		6010B
7439-92-1	Lead	0.035	U		6010B
7782-49-2	Selenium	0.075	U		6010B
7440-22-4	Silver	0.015	U		6010B

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L Lab Sample ID: LB 280-9649/1-C

Instrument Code: MT_033 Batch No.: 9908

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.050000	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Concentration Units: mg/L Lab Sample ID: LB2 280-9650/1-D

Instrument Code: MT_033 Batch No.: 10502

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.050000	U		7470A

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Lab Sample ID: ICSA 280-9927/17 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00011

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0026**	
Barium		**0.0002**	
Cadmium		**0.0004**	
Chromium		**0.0016**	
Lead		**0.0042**	
Selenium		**0.0022**	
Silver		**-0.0005**	
Aluminum	*500*	*501*	*100*
Antimony		*0.0070*	
Beryllium		*0.0001*	
Boron		*-0.0036*	
Calcium	*500*	*459*	*92*
Cobalt		*0.0012*	
Copper		*0.0055*	
Iron	*200*	*183*	*91*
Lithium		*0.0039*	
Magnesium	*500*	*512*	*102*
Manganese		*0.0043*	
Molybdenum		*-0.0008*	
Nickel		*0.0037*	
Phosphorus		*-0.0010*	
Potassium		*-0.0114*	
Sodium		*0.0466*	
Strontium		*0.0005*	
Thallium		*0.0015*	
Tin		*0.0008*	
Titanium		*0.0032*	
Vanadium		*0.0044*	
Zinc		*0.0120*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Lab Sample ID: ICSAB 280-9927/18 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00008

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**2.00**	**2.01**	**100**
Barium	**0.500**	**0.494**	**99**
Cadmium	**1.00**	**1.03**	**103**
Chromium	**0.500**	**0.491**	**98**
Lead	**1.00**	**0.938**	**94**
Selenium	**5.00**	**4.82**	**96**
Silver	**1.00**	**1.12**	**112**
Aluminum	*500*	*492*	*98*
Antimony	*1.00*	*1.00*	*100*
Beryllium	*0.500*	*0.480*	*96*
Boron	*2.00*	*1.91*	*96*
Calcium	*500*	*453*	*91*
Cobalt	*0.500*	*0.459*	*92*
Copper	*0.500*	*0.566*	*113*
Iron	*200*	*178*	*89*
Lithium	*1.00*	*1.05*	*105*
Magnesium	*500*	*489*	*98*
Manganese	*0.500*	*0.504*	*101*
Molybdenum	*1.00*	*0.934*	*93*
Nickel	*1.00*	*0.915*	*92*
Phosphorus	*2.00*	*1.98*	*99*
Potassium	*50.0*	*52.1*	*104*
Sodium	*50.0*	*51.4*	*103*
Strontium	*1.00*	*0.977*	*98*
Thallium	*10.0*	*8.27*	*83*
Tin	*10.0*	*8.95*	*89*
Titanium	*1.00*	*1.00*	*100*
Vanadium	*0.500*	*0.509*	*102*
Zinc	*1.00*	*0.973*	*97*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-E-01 MS
Lab ID: 280-1959-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG No.: 23050.01, Task Order 0056
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.23		0.065	U	4.00	106	80-120		6010B
Barium	13.8		0.81	J	12.0	109	80-120		6010B
Cadmium	1.20		0.0070	U	1.10	109	80-120		6010B
Chromium	5.49		0.0045	U	5.20	106	80-120		6010B
Lead	5.66		0.035	U	5.50	103	80-120		6010B
Selenium	3.22		0.024	J	3.00	107	80-120		6010B
Silver	1.12		0.015	U	1.05	106	80-120		6010B
Mercury	0.050000	U	0.050000	U	0.00500	94	90-116		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-W-03 MS
Lab ID: 280-1959-3 MS
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG No.: 23050.01, Task Order 0056
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.41		0.065	U	4.00	110	80-120		6010B
Barium	14.3		0.63	J	12.0	113	80-120		6010B
Cadmium	1.27		0.0054	J	1.10	115	80-120		6010B
Chromium	5.70		0.0042	J	5.20	110	80-120		6010B
Lead	5.99		0.081	J	5.50	108	80-120		6010B
Selenium	3.38		0.030	J	3.00	112	80-120		6010B
Silver	1.16		0.015	U	1.05	110	80-120		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-W-04 MS

Lab ID: 280-1959-4 MS

Lab Name: TestAmerica Denver

Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Matrix: Solid

Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.050000	U	0.050000	U	0.00500	91	90-116		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-E-01 MSD

Lab ID: 280-1959-1 MSD

Lab Name: TestAmerica Denver

Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Matrix: Solid

Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.22		4.00	105	80-120	0	20		6010B
Barium	15.0		12.0	119	80-120	8	20		6010B
Cadmium	1.20		1.10	109	80-120	0	20		6010B
Chromium	5.50		5.20	106	80-120	0	20		6010B
Lead	5.66		5.50	103	80-120	0	20		6010B
Selenium	3.21		3.00	107	80-120	0	20		6010B
Silver	1.13		1.05	107	80-120	1	20		6010B
Mercury	0.050000	U	0.00500	92	90-116	3	10		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-W-03 MSD

Lab ID: 280-1959-3 MSD

Lab Name: TestAmerica Denver

Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Matrix: Solid

Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.35		4.00	109	80-120	1	20		6010B
Barium	14.2		12.0	113	80-120	1	20		6010B
Cadmium	1.26		1.10	114	80-120	1	20		6010B
Chromium	5.62		5.20	108	80-120	1	20		6010B
Lead	5.90		5.50	106	80-120	2	20		6010B
Selenium	3.32		3.00	110	80-120	2	20		6010B
Silver	1.16		1.05	110	80-120	0	20		6010B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-W-04 MSD

Lab ID: 280-1959-4 MSD

Lab Name: TestAmerica Denver

Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Matrix: Solid

Concentration Units: mg/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.050000	U	0.00500	92	90-116	1	10		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-E-01 PDS
Lab ID: 280-1959-1 PDS
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG No.: 23050.01, Task Order 0056
Matrix: Solid
Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	1.03		0.065	U	0.980	105	75-125		6010B
Barium	1.32		0.81	J	0.490	105	75-125		6010B
Cadmium	0.262		0.0070	U	0.245	107	75-125		6010B
Chromium	0.257	J	0.0045	U	0.245	105	75-125		6010B
Lead	0.502		0.035	U	0.490	102	75-125		6010B
Selenium	1.07		0.024	J	0.980	109	75-125		6010B
Silver	0.242	J	0.015	U	0.245	99	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: FFA-W-03 PDS
Lab ID: 280-1959-3 PDS
Lab Name: TestAmerica Denver
Job No.: 280-1959-1
SDG No.: 23050.01, Task Order 0056
Matrix: Solid
Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	1.05		0.065	U	0.980	107	75-125		6010B
Barium	1.15		0.63	J	0.490	105	75-125		6010B
Cadmium	0.275		0.0054	J	0.245	110	75-125		6010B
Chromium	0.262	J	0.0042	J	0.245	105	75-125		6010B
Lead	0.582		0.081	J	0.490	102	75-125		6010B
Selenium	1.10		0.030	J	0.980	109	75-125		6010B
Silver	0.247	J	0.015	U	0.245	101	75-125		6010B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-9649/2-B

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: TCLP Spike_00001

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.28		107	80	120		6010B
Barium	12.0	13.3		111	80	120		6010B
Cadmium	1.10	1.21		110	80	120		6010B
Chromium	5.20	5.56		107	80	120		6010B
Lead	5.50	5.72		104	80	120		6010B
Selenium	3.00	3.27		109	80	120		6010B
Silver	1.05	1.13		108	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TCLP

Lab ID: LCSD 280-9649/3-B

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: TCLP Spike_00001

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.25		4.00	106	80-120	1	20		6010B
Barium	13.1		12.0	109	80-120	1	20		6010B
Cadmium	1.21		1.10	110	80-120	0	20		6010B
Chromium	5.57		5.20	107	80-120	0	20		6010B
Lead	5.70		5.50	104	80-120	0	20		6010B
Selenium	3.24		3.00	108	80-120	1	20		6010B
Silver	1.13		1.05	108	80-120	0	20		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-9650/2-B

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: TCLP Spike_00001

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.12		103	80	120		6010B
Barium	12.0	13.3		111	80	120		6010B
Cadmium	1.10	1.19		109	80	120		6010B
Chromium	5.20	5.61		108	80	120		6010B
Lead	5.50	5.90		107	80	120		6010B
Selenium	3.00	3.18		106	80	120		6010B
Silver	1.05	1.10		105	80	120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TCLP

Lab ID: LCSD 280-9650/3-B

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: TCLP Spike_00001

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.18		4.00	105	80-120	1	20		6010B
Barium	13.3		12.0	111	80-120	0	20		6010B
Cadmium	1.21		1.10	110	80-120	1	20		6010B
Chromium	5.67		5.20	109	80-120	1	20		6010B
Lead	5.95		5.50	108	80-120	1	20		6010B
Selenium	3.22		3.00	107	80-120	1	20		6010B
Silver	1.10		1.05	105	80-120	0	20		6010B

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-9649/2-C

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00044

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00500	0.050000	U	93	90	116		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TCLP

Lab ID: LCSD 280-9649/3-C

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00044

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.05000	U	0.00500	92	90-116	1	10		7470A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-9650/2-D

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00046

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00500	0.050000	U	104	90	116		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7D-IN
LAB CONTROL SAMPLE DUPLICATE
METALS - TCLP

Lab ID: LCSD 280-9650/3-D

Lab Name: TestAmerica Denver Job No.: 280-1959-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00046

Analyte	(SDR)	C	Spike Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	0.05000	U	0.00500	106	90-116	3	10		7470A

SDR = Spike Duplicate Results
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIID - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-1959-1

SDG No: 23050.01, Task Order 0056

Lab Name: TestAmerica Denver Job No: 280-1959-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.065	U	0.32	U	NC		6010B
Barium	0.81	J	0.802	J	0.99		6010B
Cadmium	0.0070	U	0.035	U	NC		6010B
Chromium	0.0045	U	0.022	U	NC		6010B
Lead	0.035	U	0.18	U	NC		6010B
Selenium	0.024	J	0.38	U	NC		6010B
Silver	0.015	U	0.075	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-1959-3

SDG No: 23050.01, Task Order 0056

Lab Name: TestAmerica Denver Job No: 280-1959-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.065	U	0.32	U	NC		6010B
Barium	0.63	J	0.640	J	1.1		6010B
Cadmium	0.0054	J	0.035	U	NC		6010B
Chromium	0.0042	J	0.022	U	NC		6010B
Lead	0.081	J	0.0662	J	NC		6010B
Selenium	0.030	J	0.38	U	NC		6010B
Silver	0.015	U	0.075	U	NC		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-1959-A-1-E SD ^5

SDG No: 23050.01, Task Order 0056

Lab Name: TestAmerica Denver Job No: 280-1959-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.050000	U	0.25000	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-1959-4

SDG No: 23050.01, Task Order 0056

Lab Name: TestAmerica Denver Job No: 280-1959-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.050000	U	0.25000	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG Number: 23050.01, Task Order 0056

Matrix: Solid Instrument ID: MT_025

Analysis Method: 6010B DL Date: 02/26/2010 15:47

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Arsenic	189	0.5	0.022
Barium	455.4	1	0.002
Cadmium	228.8	0.1	0.002
Chromium	205.5	0.5	0.003
Lead	220.3	0.5	0.013
Selenium	196	0.1	0.024
Silver	328	0.5	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG Number: 23050.01, Task Order 0056

Matrix: Solid Instrument ID: MT_025

Analysis Method: 6010B XMDL Date: 02/26/2010 15:47

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.5	0.022
Barium		1	0.0025
Cadmium		0.1	0.002
Chromium		0.5	0.003
Lead		0.5	0.013
Selenium		0.1	0.024
Silver		0.5	0.004

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG Number: 23050.01, Task Order 0056

Matrix: Solid Instrument ID: MT_033

Analysis Method: 7470A DL Date: 11/01/2009 00:00

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Mercury	253.7	0.002	0.00003

FORM IX - IN

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG Number: 23050.01, Task Order 0056

Matrix: Solid Instrument ID: MT_033

Analysis Method: 7470A XMDL Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.002	0.00003

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Aluminum	167.079														
Antimony	206.833		0.000035											0.004302	
Arsenic	189.042													-0.01424	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													0.002290	
Boron	208.959														
Cadmium	228.802			0.002543									-0.004118		
Calcium	317.933														
Chromium	205.552							-0.002169							
Cobalt	228.616														
Copper	324.754														
Gold															
Iron	271.441													0.070287	
Lanthanum															
Lead	220.353		-0.000056												
Lithium	670.784									0.000009					
Lutetium															
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Palladium															
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		0.000032												
Silicon	288.158													-0.002611	
Silver	328.068														
Sodium	818.326														
Strontium	407.771									0.000009					

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	CaCO3	Cd	Co	Cr	Cr6
Sulfur															
Thallium	190.856												0.00380	0.000241	
Thorium	334.904											-0.000516		0.000240	
Tin	189.989									0.000009				0.000240	
Titanium														0.000169	
Tungsten															
Uranium	370.152					0.001088				-0.000107				-0.001869	
Vanadium	292.402													-0.006569	
Yttrium															
Zinc	206.200													-0.000710	
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Aluminum	167.079		0.002287												
Antimony	206.833		0.000030									-0.000868			
Arsenic	189.042											0.001045			
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														
Boron	208.959											0.021490			
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552													0.000151	
Cobalt	228.616											-0.000837		0.000134	
Copper	324.754											0.000034			
Gold															
Iron	271.441								-0.000894						
Lanthanum															
Lead	220.353	0.000146	0.000030									-0.001805		0.000312	
Lithium	670.784														
Lutetium															
Magnesium	279.079														
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Palladium															
Phosphorus	178.284											-0.004178			
Potassium	766.490														
Selenium	196.090		0.000033								0.000750				
Silicon	288.158											-0.005077			
Silver	328.068											-0.000441			
Sodium	818.326														
Strontium	407.771														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Cu	Fe	HardC	K	La	Li	Lu	Mg	MgHAR	Mn	Mo	Na	Ni	P
Sulfur															
Thallium	190.856										0.001027				
Thorium	334.904		0.000811											0.000237	
Tin	189.989														
Titanium												0.000571			
Tungsten															
Uranium	370.152		-0.000215												
Vanadium	292.402										-0.000497				
Yttrium															
Zinc	206.200														
Zirconium	339.198														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Aluminum	167.079														
Antimony	206.833														
Arsenic	189.042														
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061														-0.002704
Boron	208.959														
Cadmium	228.802														
Calcium	317.933													-0.012260	
Chromium	205.552													0.000058	
Cobalt	228.616														0.001698
Copper	324.754														0.003266
Gold															
Iron	271.441														
Lanthanum															
Lead	220.353								0.000071						-0.000719
Lithium	670.784														
Lutetium															
Magnesium	279.079													-0.042580	
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Palladium															
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090													-0.000849	
Silicon	288.158														
Silver	328.068													-0.001789	
Sodium	818.326														
Strontium	407.771														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Pb	Pd	Pt	S	Sb	Sc	Se	Si	SiO2	Sn	Sr	Te	Th	Ti
Sulfur															
Thallium	190.856														-0.000398
Thorium	334.904														
Tin	189.989														-0.001001
Titanium														0.006042	
Tungsten															
Uranium	370.152														0.005239
Vanadium	292.402													0.001078	0.000574
Yttrium															
Zinc	206.200														
Zirconium	339.198													0.024130	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Aluminum	167.079														
Antimony	206.833		-0.001780						-0.001223						
Arsenic	189.042														
Barium	455.403								0.001154						
Beryllium	313.042	-0.000204													
Bismuth	223.061														
Boron	208.959														
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552		0.000035												
Cobalt	228.616														
Copper	324.754	-0.000326	0.001095	-0.000656					0.000024						
Gold															
Iron	271.441			-0.209500											
Lanthanum															
Lead	220.353		0.000511						-0.000476						
Lithium	670.784														
Lutetium															
Magnesium	279.079		-0.010166												
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604														
Palladium															
Phosphorus	178.284														
Potassium	766.490														
Selenium	196.090		-0.002406												
Silicon	288.158														
Silver	328.068		0.000867						0.003534						
Sodium	818.326														
Strontium	407.771														

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-1959-1

SDG No.: 23050.01, Task Order 0056

ICP-AES Instrument ID: MT_025 Date: 03/05/2010

Analyte	Wave Length	Tl	U	V	V2O5	W	Y	Zn	Zr						
Sulfur															
Thallium	190.856			0.000675											
Thorium	334.904		0.021950						0.007938						
Tin	189.989														
Titanium			-0.000536												
Tungsten															
Uranium	370.152														
Vanadium	292.402		-0.000661												
Yttrium															
Zinc	206.200														
Zirconium	339.198														

X-IN

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_025 Date: 02/10/2010 17:41

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		50	6010B
Barium		50	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		200	6010B
Selenium		50	6010B
Silver		2.5	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-9649/1-B	04/05/2010 13:30	9771		10	50
LCS 280-9649/2-B	04/05/2010 13:30	9771		10	50
LCSD 280-9649/3-B	04/05/2010 13:30	9771		10	50
280-1959-1	04/05/2010 13:30	9771		10	50
280-1959-1 MS	04/05/2010 13:30	9771		10	50
280-1959-1 MSD	04/05/2010 13:30	9771		10	50
280-1959-2	04/05/2010 13:30	9771		10	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Preparation Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB2 280-9650/1-B	04/05/2010 13:30	9773		10	50
LCS 280-9650/2-B	04/05/2010 13:30	9773		10	50
LCSD 280-9650/3-B	04/05/2010 13:30	9773		10	50
280-1959-3	04/05/2010 13:30	9773		10	50
280-1959-3 MS	04/05/2010 13:30	9773		10	50
280-1959-3 MSD	04/05/2010 13:30	9773		10	50
280-1959-4	04/05/2010 13:30	9773		10	50

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Preparation Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-9649/1-C	04/05/2010 14:50	9780		10	10
LCS 280-9649/2-C	04/05/2010 14:50	9780		10	10
LCSD 280-9649/3-C	04/05/2010 14:50	9780		10	10
280-1959-1	04/05/2010 14:50	9780		10	10
280-1959-1 MS	04/05/2010 14:50	9780		10	10
280-1959-1 MSD	04/05/2010 14:50	9780		10	10
280-1959-2	04/05/2010 14:50	9780		10	10

FORM XII-IN

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Preparation Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB2 280-9650/1-D	04/09/2010 10:00	10364		10	10
LCS 280-9650/2-D	04/09/2010 10:00	10364		10	10
LCSD 280-9650/3-D	04/09/2010 10:00	10364		10	10
280-1959-3	04/09/2010 10:00	10364		10	10
280-1959-4	04/09/2010 10:00	10364		10	10
280-1959-4 MS	04/09/2010 10:00	10364		10	10
280-1959-4 MSD	04/09/2010 10:00	10364		10	10

FORM XII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_025 Method: 6010B

Start Date: 04/05/2010 14:46 End Date: 04/06/2010 13:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICIS 280-9927/1	1		14:46	X	X	X	X	X	X	X													
IC 280-9927/2			14:48	X	X	X	X	X	X	X													
IC 280-9927/3			14:50	X	X	X	X	X	X	X													
ZZZZZZ			14:53																				
ZZZZZZ			14:55																				
ICVH 280-9927/6	1		14:57	X	X	X	X	X	X	X													
ICV 280-9927/7			15:00																				
ICV 280-9927/8	1		15:04	X	X	X	X	X	X	X													
ICV 280-9927/9	1		15:06	X	X	X	X	X	X	X													
ICVL 280-9927/10			15:11																				
CCVH 280-9927/11			15:14																				
CCV 280-9927/12			15:16																				
ICB 280-9927/13	1		15:18	X	X	X	X	X	X	X													
CRI 280-9927/14			15:21																				
CRI 280-9927/15	1		15:28	X		X	X	X		X													
CRI 280-9927/16	1		15:32		X				X														
ICSA 280-9927/17	1		15:36	X	X	X	X	X	X	X													
ICSAB 280-9927/18	1		15:38	X	X	X	X	X	X	X													
LRA 280-9927/19			15:41																				
CCVH 280-9927/20			15:43																				
CCV 280-9927/21			15:45																				
CCB 280-9927/22			15:48																				
CCVL 280-9927/23			15:50																				
ZZZZZZ			09:26																				
ZZZZZZ			09:29																				
ZZZZZZ			09:31																				
ZZZZZZ			09:33																				
ZZZZZZ			09:35																				
ZZZZZZ			09:38																				
ZZZZZZ			09:41																				
CCVH 280-9927/31	1		09:43	X	X	X	X	X	X	X													
CCV 280-9927/32	1		09:45	X	X	X	X	X	X	X													
CCB 280-9927/33	1		09:47	X	X	X	X	X	X	X													
CCVL 280-9927/34			09:50																				
LB 280-9649/1-B	1	P	09:52	X	X	X	X	X	X	X													
LCS 280-9649/2-B	1	P	09:55	X	X	X	X	X	X	X													
LCSD 280-9649/3-B	1	P	09:57	X	X	X	X	X	X	X													
280-1959-1	1	P	09:59	X	X	X	X	X	X	X													
280-1959-1 SD	5	P	10:02	X	X	X	X	X	X	X													
280-1959-1 MS	1	P	10:04	X	X	X	X	X	X	X													
280-1959-1 MSD	1	P	10:07	X	X	X	X	X	X	X													
280-1959-1 PDS	1	P	10:09	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_025 Method: 6010B

Start Date: 04/05/2010 14:46 End Date: 04/06/2010 13:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
280-1959-2	1	P	10:12	X	X	X	X	X	X	X													
CCVH 280-9927/44	1		10:14	X	X	X	X	X	X	X													
CCV 280-9927/45	1		10:17	X	X	X	X	X	X	X													
CCB 280-9927/46	1		10:19	X	X	X	X	X	X	X													
CCVL 280-9927/47			10:21																				
LB2 280-9650/1-B	1	P	10:24	X	X	X	X	X	X	X													
LCS 280-9650/2-B	1	P	10:26	X	X	X	X	X	X	X													
LCSD 280-9650/3-B	1	P	10:28	X	X	X	X	X	X	X													
280-1959-3	1	P	10:31	X	X	X	X	X	X	X													
280-1959-3 SD	5	P	10:33	X	X	X	X	X	X	X													
280-1959-3 MS	1	P	10:35	X	X	X	X	X	X	X													
280-1959-3 MSD	1	P	10:38	X	X	X	X	X	X	X													
280-1959-3 PDS	1	P	10:40	X	X	X	X	X	X	X													
280-1959-4	1	P	10:43	X	X	X	X	X	X	X													
CCVH 280-9927/57	1		10:45	X	X	X	X	X	X	X													
CCV 280-9927/58	1		10:47	X	X	X	X	X	X	X													
CCB 280-9927/59	1		10:50	X	X	X	X	X	X	X													
CCVL 280-9927/60			10:52																				
ZZZZZZ			10:54																				
ZZZZZZ			10:57																				
ZZZZZZ			10:59																				
ZZZZZZ			11:01																				
ZZZZZZ			11:04																				
ZZZZZZ			11:06																				
ZZZZZZ			11:08																				
ZZZZZZ			11:11																				
ZZZZZZ			11:13																				
CCVH 280-9927/70			11:16																				
CCV 280-9927/71			11:18																				
CCB 280-9927/72			11:20																				
CCVL 280-9927/73			11:23																				
ZZZZZZ			11:25																				
ZZZZZZ			11:27																				
ZZZZZZ			11:30																				
ZZZZZZ			11:32																				
ZZZZZZ			11:34																				
ZZZZZZ			11:37																				
ZZZZZZ			11:39																				
CCVH 280-9927/81			11:41																				
CCV 280-9927/82			11:44																				
CCB 280-9927/83			11:46																				
CCVL 280-9927/84			11:48																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_025 Method: 6010B

Start Date: 04/05/2010 14:46 End Date: 04/06/2010 13:15

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:58																				
ZZZZZZ			12:00																				
ZZZZZZ			12:02																				
ZZZZZZ			12:04																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
CCVH 280-9927/94			12:11																				
CCV 280-9927/95			12:14																				
CCB 280-9927/96			12:16																				
CCVL 280-9927/97			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
ZZZZZZ			12:26																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
CCVH 280-9927/104			12:35																				
CCV 280-9927/105			12:38																				
CCB 280-9927/106			12:40																				
CCVL 280-9927/107			12:42																				
ZZZZZZ			12:53																				
ZZZZZZ			12:55																				
ZZZZZZ			12:59																				
ZZZZZZ			13:03																				
ZZZZZZ			13:05																				
ZZZZZZ			13:08																				
CCB 280-9927/114			13:11																				
CCVL 280-9927/115			13:15																				

Prep Types

P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD0 280-9908/1 IC			08:04	X																			
STD1 280-9908/2 IC			08:07	X																			
STD2 280-9908/3 IC			08:09	X																			
STD3 280-9908/4 IC			08:11	X																			
STD4 280-9908/5 IC			08:14	X																			
STD5 280-9908/6 IC			08:16	X																			
STD6 280-9908/7 IC			08:18	X																			
ICB 280-9908/8	1		08:26	X																			
ICV 280-9908/9	1		08:28	X																			
CRA 280-9908/10			08:30																				
CCV 280-9908/11			08:33																				
CCB 280-9908/12			08:37																				
ZZZZZZ			08:40																				
ZZZZZZ			08:42																				
ZZZZZZ			08:44																				
ZZZZZZ			08:47																				
ZZZZZZ			08:49																				
ZZZZZZ			08:51																				
ZZZZZZ			08:53																				
ZZZZZZ			08:56																				
ZZZZZZ			08:58																				
CCV 280-9908/22			09:00																				
CCB 280-9908/23			09:03																				
ZZZZZZ			09:05																				
ZZZZZZ			09:07																				
ZZZZZZ			09:10																				
ZZZZZZ			09:12																				
ZZZZZZ			09:14																				
ZZZZZZ			09:17																				
CCV 280-9908/30			09:19																				
CCB 280-9908/31			09:21																				
ZZZZZZ			09:23																				
ZZZZZZ			09:26																				
ZZZZZZ			09:28																				
ZZZZZZ			09:30																				
ZZZZZZ			09:33																				
ZZZZZZ			09:35																				
ZZZZZZ			09:37																				
ZZZZZZ			09:40																				
ZZZZZZ			09:42																				
CCV 280-9908/41			09:44																				
CCB 280-9908/42			09:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			09:49																				
ZZZZZZ			09:51																				
ZZZZZZ			09:53																				
ZZZZZZ			09:56																				
ZZZZZZ			09:58																				
ZZZZZZ			10:00																				
ZZZZZZ			10:03																				
ZZZZZZ			10:05																				
ZZZZZZ			10:07																				
CCV 280-9908/52			10:10																				
CCB 280-9908/53			10:12																				
ZZZZZZ			10:14																				
ZZZZZZ			10:19																				
ZZZZZZ			10:21																				
ZZZZZZ			10:23																				
ZZZZZZ			10:25																				
ZZZZZZ			10:28																				
ZZZZZZ			10:30																				
ZZZZZZ			10:34																				
ZZZZZZ			10:36																				
ZZZZZZ			10:38																				
CCV 280-9908/64			10:41																				
CCB 280-9908/65			10:43																				
ZZZZZZ			10:46																				
ZZZZZZ			10:48																				
ZZZZZZ			10:50																				
ZZZZZZ			10:53																				
ZZZZZZ			10:55																				
ZZZZZZ			10:57																				
ZZZZZZ			11:00																				
CCV 280-9908/73			11:02																				
CCB 280-9908/74			11:04																				
CCV 280-9908/75			11:09																				
CCV 280-9908/76			11:12																				
CCB 280-9908/77			11:14																				
ZZZZZZ			11:16																				
ZZZZZZ			11:20																				
ZZZZZZ			11:22																				
ZZZZZZ			11:24																				
ZZZZZZ			11:27																				
ZZZZZZ			11:29																				
ZZZZZZ			11:31																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			11:34																				
ZZZZZZ			11:36																				
CCV 280-9908/87			11:38																				
CCB 280-9908/88			11:41																				
ZZZZZZ			11:43																				
ZZZZZZ			11:45																				
ZZZZZZ			11:47																				
ZZZZZZ			11:50																				
ZZZZZZ			11:52																				
ZZZZZZ			11:54																				
ZZZZZZ			11:57																				
ZZZZZZ			11:59																				
ZZZZZZ			12:01																				
CCV 280-9908/98			12:04																				
CCB 280-9908/99			12:06																				
ZZZZZZ			12:08																				
ZZZZZZ			12:31																				
ZZZZZZ			12:34																				
ZZZZZZ			12:36																				
ZZZZZZ			12:38																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:45																				
ZZZZZZ			12:47																				
CCV 280-9908/109	1		12:50	X																			
CCB 280-9908/110	1		12:54	X																			
LB 280-9649/1-C	1	P	12:57	X																			
LCS 280-9649/2-C	1	P	13:02	X																			
LCSD 280-9649/3-C	1	P	13:05	X																			
280-1959-1	1	P	13:07	X																			
280-1959-A-1-E SD ^5	5	P	13:09	X																			
280-1959-1 MS	1	P	13:12	X																			
280-1959-1 MSD	1	P	13:14	X																			
280-1959-2	1	P	13:16	X																			
CCV 280-9908/119	1		13:19	X																			
CCB 280-9908/120	1		13:21	X																			
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:30																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:43																				
CCV 280-9908/128			13:45																				
CCB 280-9908/129			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:55																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ZZZZZZ			14:02																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
CCV 280-9908/138			14:09																				
CCB 280-9908/139			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:15																				
ZZZZZZ			14:18																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:25																				
CCV 280-9908/146			14:28																				
CCB 280-9908/147			14:30																				
ZZZZZZ			14:32																				
ZZZZZZ			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
ZZZZZZ			14:42																				
CCV 280-9908/153			14:44																				
CCB 280-9908/154			14:46																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:55																				
ZZZZZZ			14:58																				
ZZZZZZ			15:00																				
ZZZZZZ			15:02																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
CCV 280-9908/164			15:09																				
CCB 280-9908/165			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:21																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:34																				
CCV 280-9908/175			15:37																				
CCB 280-9908/176			15:39																				
ZZZZZZ			15:41																				
ZZZZZZ			15:44																				
ZZZZZZ			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:00																				
CCV 280-9908/186			16:02																				
CCB 280-9908/187			16:05																				
ZZZZZZ			16:07																				
ZZZZZZ			16:09																				
ZZZZZZ			16:11																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
CCV 280-9908/193			16:18																				
CCB 280-9908/194			16:21																				
ZZZZZZ			16:23																				
ZZZZZZ			16:25																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:32																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
CCV 280-9908/202			16:39																				
CCB 280-9908/203			16:42																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:53																				
ZZZZZZ			16:55																				
ZZZZZZ			16:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/06/2010 08:04 End Date: 04/06/2010 18:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:00																				
CCV 280-9908/212			17:02																				
CCB 280-9908/213			17:05																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				
CCV 280-9908/218			17:16																				
CCV 280-9908/219			17:29																				
CCV 280-9908/220			17:32																				
CCB 280-9908/221			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:39																				
ZZZZZZ			17:41																				
ZZZZZZ			17:43																				
CCV 280-9908/226			17:46																				
CCB 280-9908/227			17:48																				
ZZZZZZ			17:50																				
ZZZZZZ			17:53																				
ZZZZZZ			17:55																				
ZZZZZZ			17:57																				
ZZZZZZ			18:00																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
CCV 280-9908/235			18:07																				
CCB 280-9908/236			18:09																				

Prep Types
P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/09/2010 12:36 End Date: 04/09/2010 20:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD0 280-10502/1 IC			12:36	X																			
STD1 280-10502/2 IC			12:38	X																			
STD2 280-10502/3 IC			12:40	X																			
STD3 280-10502/4 IC			12:42	X																			
STD4 280-10502/5 IC			12:45	X																			
STD5 280-10502/6 IC			12:47	X																			
STD6 280-10502/7 IC			12:49	X																			
ICB 280-10502/8	1		12:56	X																			
ICV 280-10502/9	1		12:59	X																			
CRA 280-10502/10			13:01																				
CCV 280-10502/11			13:03																				
CCB 280-10502/12			13:06																				
ZZZZZZ			13:10																				
ZZZZZZ			13:13																				
ZZZZZZ			13:15																				
ZZZZZZ			13:17																				
ZZZZZZ			13:19																				
ZZZZZZ			13:22																				
ZZZZZZ			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:32																				
ZZZZZZ			13:34																				
CCV 280-10502/23			13:36																				
CCB 280-10502/24			13:39																				
ZZZZZZ			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:46																				
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			14:00																				
ZZZZZZ			14:03																				
CCV 280-10502/34			14:07																				
CCB 280-10502/35			14:10																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:16																				
ZZZZZZ			14:19																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:26																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/09/2010 12:36 End Date: 04/09/2010 20:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:28																				
ZZZZZZ			14:30																				
CCV 280-10502/45			14:33																				
CCB 280-10502/46			14:35																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
ZZZZZZ			14:42																				
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:56																				
CCV 280-10502/56			15:03																				
CCB 280-10502/57			15:05																				
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ZZZZZZ			15:15																				
ZZZZZZ			15:17																				
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
CCV 280-10502/67	1		15:28	X																			
CCB 280-10502/68	1		15:31	X																			
ZZZZZZ			15:33																				
LB2 280-9650/1-D	1	P	15:35	X																			
LCS 280-9650/2-D	1	P	15:38	X																			
LCSD 280-9650/3-D	1	P	15:40	X																			
280-1959-3	1	P	15:42	X																			
280-1959-4	1	P	15:45	X																			
280-1959-4 SD	5	P	15:47	X																			
280-1959-4 MS	1	P	15:49	X																			
280-1959-4 MSD	1	P	15:51	X																			
CCV 280-10502/78	1		15:54	X																			
CCB 280-10502/79	1		15:56	X																			
ZZZZZZ			15:58																				
ZZZZZZ			16:01																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/09/2010 12:36 End Date: 04/09/2010 20:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
CCV 280-10502/89			16:19																				
CCB 280-10502/90			16:21																				
ZZZZZZ			16:24																				
ZZZZZZ			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
CCV 280-10502/100			16:45																				
CCB 280-10502/101			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
ZZZZZZ			16:56																				
ZZZZZZ			16:58																				
ZZZZZZ			17:01																				
ZZZZZZ			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
CCV 280-10502/111			17:10																				
CCB 280-10502/112			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:33																				
CCV 280-10502/122			17:35																				
CCB 280-10502/123			17:38																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/09/2010 12:36 End Date: 04/09/2010 20:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:47																				
ZZZZZZ			17:49																				
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
CCV 280-10502/133			18:01																				
CCB 280-10502/134			18:03																				
ZZZZZZ			18:06																				
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:12																				
ZZZZZZ			18:15																				
ZZZZZZ			18:17																				
ZZZZZZ			18:19																				
ZZZZZZ			18:22																				
ZZZZZZ			18:24																				
CCV 280-10502/144			18:26																				
CCB 280-10502/145			18:29																				
ZZZZZZ			18:31																				
ZZZZZZ			18:33																				
ZZZZZZ			18:36																				
ZZZZZZ			18:38																				
ZZZZZZ			18:40																				
ZZZZZZ			18:43																				
ZZZZZZ			18:45																				
ZZZZZZ			18:47																				
ZZZZZZ			18:50																				
CCV 280-10502/155			18:52																				
CCB 280-10502/156			18:54																				
ZZZZZZ			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:01																				
ZZZZZZ			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:08																				
ZZZZZZ			19:10																				
ZZZZZZ			19:13																				
ZZZZZZ			19:15																				
CCV 280-10502/166			19:17																				
CCB 280-10502/167			19:20																				
ZZZZZZ			19:22																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-1959-1

SDG No.: 23050.01, Task Order 0056

Instrument ID: MT_033 Method: 7470A

Start Date: 04/09/2010 12:36 End Date: 04/09/2010 20:20

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			19:24																				
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 280-10502/176			19:41																				
CCB 280-10502/177			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
CCV 280-10502/187			20:06																				
CCB 280-10502/188			20:09																				
ZZZZZZ			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
CCV 280-10502/192			20:18																				
CCB 280-10502/193			20:20																				

Prep Types
P = TCLP

Metals Worksheet

Batch Number: 280-9649
Method: 1311
Analyst: Bourgery, David F

Date Open: Apr 04 2010 4:41PM
Batch End: Apr 05 2010 8:45AM

Lab ID	Client ID	Method Chain	Basis	Extraction Fluid Used
LB~280-9649/1		1311, 3010A, 6010B		T1
LCS~280-9649/2		1311, 3010A, 6010B		T1
LCSD~280-9649/3		1311, 3010A, 6010B		T1
280-1959-A-1	FFA-E-01	1311, 3010A, 6010B	P	T1
280-1959-A-2	FFA-E-02	1311, 3010A, 6010B	P	T1

First Start time:	4/4/10 16:41
First End time:	4/5/10 12:45
Room Temperature during Rotation:	22.3 Celsius
Temperature:	24.4 Celsius
Rotation Time for 10 Revolutions:	NA
Tumbler Rotations per Minute:	28-32

Metals Worksheet

Batch Number: 280-9649
Method: 1311
Analyst: Bourgery, David F

Date Open: Apr 04 2010 4:41PM
Batch End: Apr 05 2010 8:45AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LB~280-9649/1		1311, 3010A, 6010B		
LCS~280-9649/2		1311, 3010A, 6010B		
LCSD~280-9649/3		1311, 3010A, 6010B		
280-1959-A-1	FFA-E-01	1311, 3010A, 6010B	P	
280-1959-A-2	FFA-E-02	1311, 3010A, 6010B	P	

Batch Comment: NA

Metals Worksheet

Batch Number: 280-9650
Method: 1311
Analyst: Bourgery, David F

Date Open: Apr 04 2010 4:41PM
Batch End: Apr 05 2010 8:45AM

Lab ID	Client ID	Method Chain	Basis	Extraction Fluid Used
LB2~280-9650/1		1311, 3010A, 6010B		T2
LCS~280-9650/2		1311, 3010A, 6010B		T2
LCSD~280-9650/3		1311, 3010A, 6010B		T2
280-1959-A-3	FFA-W-03	1311, 3010A, 6010B	P	T2
280-1959-A-4	FFA-W-04	1311, 3010A, 6010B	P	T2

First Start time:	4/4/10 16:41
First End time:	4/5/10 8:45
Room Temperature during Rotation:	22.3 Celsius
Temperature:	24.4 Celsius
Rotation Time for 10 Revolutions:	NA
Tumbler Rotations per Minute:	28-32

Metals Worksheet

Batch Number: 280-9650
Method: 1311
Analyst: Bourgery, David F

Date Open: Apr 04 2010 4:41PM
Batch End: Apr 05 2010 8:45AM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LB2~280-9650/1		1311, 3010A, 6010B		
LCS~280-9650/2		1311, 3010A, 6010B		
LCSD~280-9650/3		1311, 3010A, 6010B		
280-1959-A-3	FFA-W-03	1311, 3010A, 6010B	P	
280-1959-A-4	FFA-W-04	1311, 3010A, 6010B	P	

Batch Comment: NA

Metals Worksheet

Batch Number: 280-9771
Method: 3010A
Analyst: Grisdale, Christopher G

Date Open: Apr 05 2010 1:30PM
Batch End: Apr 05 2010 6:30PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	ICP SPK 2A_00007	ICP SPK 3A_00007	TCLP Spike_00001
LB~280-9649/1-A		3010A, 6010B		<2 SU	10 mL	50 mL			
LCS~280-9649/2-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
LCSD~280-9649/3-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-1-A	FFA-E-01	3010A, 6010B	P	<2 SU	10 mL	50 mL			
280-1959-A-1-A~MS	FFA-E-01	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-1-A~MSD	FFA-E-01	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-2-A	FFA-E-02	3010A, 6010B	P	<2 SU	10 mL	50 mL			

Lot # of hydrochloric acid:	J02039
Lot # of Nitric Acid:	J04043
Hot Block ID number:	10
ID number of the thermometer:	1468
Oven, Bath or Block Temperature 1:	95 Degrees C
Oven, Bath or Block Temperature 2:	95 Degrees C
Digestion Tube/Cup Lot #:	A909LS164
Pipette ID:	MET-015
First Start time:	NA
First End time:	NA

Metals Worksheet

Batch Number: 280-9771
Method: 3010A
Analyst: Grisdale, Christopher G

Date Open: Apr 05 2010 1:30PM
Batch End: Apr 05 2010 6:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LB~280-9649/1-A		3010A, 6010B		
LCS~280-9649/2-A		3010A, 6010B		
LCSD~280-9649/3-A		3010A, 6010B		
280-1959-A-1-A	FFA-E-01	3010A, 6010B	P	
280-1959-A-1-A~MS	FFA-E-01	3010A, 6010B	P	
280-1959-A-1-A~MSD	FFA-E-01	3010A, 6010B	P	
280-1959-A-2-A	FFA-E-02	3010A, 6010B	P	

Batch Comment: NA

Metals Worksheet

Batch Number: 280-9773
Method: 3010A
Analyst: Grisdale, Christopher G

Date Open: Apr 05 2010 1:30PM
Batch End: Apr 05 2010 6:30PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	ICP SPK 2A_00007	ICP SPK 3A_00007	TCLP Spike_00001
LB2~280-9650/1-A		3010A, 6010B		<2 SU	10 mL	50 mL			
LCS~280-9650/2-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
LCSD~280-9650/3-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-3-A	FFA-W-03	3010A, 6010B	P	<2 SU	10 mL	50 mL			
280-1959-A-3-A~MS	FFA-W-03	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-3-A~MSD	FFA-W-03	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.10 mL	0.10 mL	0.10 mL
280-1959-A-4-A	FFA-W-04	3010A, 6010B	P	<2 SU	10 mL	50 mL			

Lot # of hydrochloric acid:	J02039
Lot # of Nitric Acid:	J04043
Hot Block ID number:	10
ID number of the thermometer:	1468
Oven, Bath or Block Temperature 1:	95 Degrees C
Oven, Bath or Block Temperature 2:	95 Degrees C
Digestion Tube/Cup Lot #:	A909LS164
Pipette ID:	MET-015
First Start time:	NA
First End time:	NA

Metals Worksheet

Batch Number: 280-9773
Method: 3010A
Analyst: Grisdale, Christopher G

Date Open: Apr 05 2010 1:30PM
Batch End: Apr 05 2010 6:30PM

Comments

Lab ID	Client ID	Method Chain	Basis	Analysis comment
LB2~280-9650/1-A		3010A, 6010B		
LCS~280-9650/2-A		3010A, 6010B		
LCSD~280-9650/3-A		3010A, 6010B		
280-1959-A-3-A	FFA-W-03	3010A, 6010B	P	
280-1959-A-3-A~MS	FFA-W-03	3010A, 6010B	P	
280-1959-A-3-A~MSD	FFA-W-03	3010A, 6010B	P	
280-1959-A-4-A	FFA-W-04	3010A, 6010B	P	

Batch Comment: NA

Metals Worksheet

Batch Number: 280-9780
Method: 7470A
Analyst: Stoltz, Katie

Date Open: Apr 05 2010 2:50PM
Batch End: Apr 05 2010 4:50PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Hg Daily Spk_00044
LB~280-9649/1-A		7470A, 7470A		<2	10 mL	10 mL	
LCS~280-9649/2-A		7470A, 7470A		<2	10 mL	10 mL	0.5 mL
LCSD~280-9649/3-A		7470A, 7470A		<2	10 mL	10 mL	0.5 mL
280-1959-A-1-A	FFA-E-01	7470A, 7470A	P	<2	10 mL	10 mL	
280-1959-A-1-A~MS	FFA-E-01	7470A, 7470A	P	<2	10 mL	10 mL	0.5 mL
280-1959-A-1-A~MSD	FFA-E-01	7470A, 7470A	P	<2	10 mL	10 mL	0.5 mL
280-1959-A-2-A	FFA-E-02	7470A, 7470A	P	<2	10 mL	10 mL	

Oven, Bath or Block Temperature 1:	94 Celsius
Oven, Bath or Block Temperature 2:	94
Digestion Tube/Cup Lot #:	NA
Hood ID or number:	HOOD-4
Hot Block ID number:	NA
ID number of the thermometer:	4205
Temperature:	NA Celsius
Lot # of Nitric Acid:	H51025
Lot # of hydrochloric acid:	H44032
Sulfuric Acid Lot Number:	H35F03
Potassium Permanganate Lot Number:	H16581
Potassium Persulfate Lot Number:	C17143
Hydroxylamine Sulfate Lot Number:	NA
Stannous Chloride Lot Number:	H45642
Hydroxylamine Hydrochloride Lot:	H26621
NaCL Lot #:	G47617
Repittetor Volume Check:	YES
SOP Number:	DVMT0015

Metals Worksheet

Batch Number: 280-10364
Method: 7470A
Analyst: Stoltz, Katie

Date Open: Apr 09 2010 10:00AM
Batch End: Apr 09 2010 12:00PM

Lab ID	Client ID	Method Chain	Basis	Initial pH	Initial weight/volume of sample	Final weight/volume of sample	Hg Daily Spk_00046
LB2~280-9650/1-A		7470A, 7470A		<2	10 mL	10 mL	
LCS~280-9650/2-A		7470A, 7470A		<2	10 mL	10 mL	0.5 mL
LCSD~280-9650/3-A		7470A, 7470A		<2	10 mL	10 mL	0.5 mL
280-1959-A-3-A	FFA-W-03	7470A, 7470A	P	<2	10 mL	10 mL	
280-1959-A-4-A	FFA-W-04	7470A, 7470A	P	<2	10 mL	10 mL	
280-1959-A-4-A~MS	FFA-W-04	7470A, 7470A	P	<2	10 mL	10 mL	0.5 mL
280-1959-A-4-A~MSD	FFA-W-04	7470A, 7470A	P	<2	10 mL	10 mL	0.5 mL

Oven, Bath or Block Temperature 1:	94 Celsius
Oven, Bath or Block Temperature 2:	94
Digestion Tube/Cup Lot #:	NA
Hood ID or number:	HOOD-4
Hot Block ID number:	NA
ID number of the thermometer:	4205
Temperature:	NA Celsius
Lot # of Nitric Acid:	H51025
Lot # of hydrochloric acid:	H44032
Sulfuric Acid Lot Number:	H35F03
Potassium Permanganate Lot Number:	H16581
Potassium Persulfate Lot Number:	C17143
Hydroxylamine Sulfate Lot Number:	NA
Stannous Chloride Lot Number:	H45642
Hydroxylamine Hydrochloride Lot:	H26621
NaCL Lot #:	G47617
Repittetor Volume Check:	YES
SOP Number:	DVMT0015

Shipping and Receiving Documents

Login Sample Receipt Check List

Client: Toltest Inc.

Job Number: 280-1959-1
SDG Number: 23050.01, Task Order 0056

Login Number: 1959
List Source: TestAmerica Denver
Creator: Harrington, Nicholas
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

ANALYTICAL REPORT

Job Number: 280-2720-1

SDG Number: 23050.01, Task Order 0056

Job Description: SWMU9, NSA Crane Naval Station, IN

For:
Toltest Inc.
1480 Ford Street
Maumee, OH 43537

Attention: Mr. Sean Boyle

Approved for release.
Michelle Johnston
Project Manager I
11/22/2010 4:32 PM

Michelle Johnston
Project Manager I
michelle.johnston@testamericainc.com
11/22/2010
Revision: 1

cc: Mr. Brian Morgan

The test results in this report relate only to the samples in this report and meet all requirements of NELAC, with any exceptions noted. Pursuant to NELAP, this report shall not be reproduced except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Denver Project Manager.

The Lab Certification ID# is E87667.

Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

TestAmerica Laboratories, Inc.
TestAmerica Denver 4955 Yarrow Street, Arvada, CO 80002
Tel (303) 736-0100 Fax (303) 431-7171 www.testamericainc.com

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CASE NARRATIVE
Client: Toltest Inc.
Project: SWMU9, NSA Crane, IN 23050.01
Report Number: 280-2720-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The following report contains the analytical results for nineteen samples received April 23, 2010, according to documented sample acceptance procedures. The samples were received at a temperature of 1.9°C.

The requested Total PCB analyses were performed at TestAmerica Pittsburgh. Please reference that laboratory's report which is included in its entirety in this submittal.

No anomalies were encountered during sample receipt.

REVISION

In accordance with the client's instructions given on November 18, 2010, the report was revised to list the project name as SWMU9, NSA Crane, IN instead of Mine Fill B, NSA Crane, IN.

SAMPLE SUMMARY

Client: Toltest Inc.

Job Number: 280-2720-1
Sdg Number: 23050.01, Task Order 0056

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-2720-1	FFA-VS-001-F	Solid	04/22/2010 1301	04/23/2010 0930
280-2720-2	FFA-VS-002-F	Solid	04/22/2010 1315	04/23/2010 0930
280-2720-3	FFA-VS-003-W	Solid	04/22/2010 1400	04/23/2010 0930
280-2720-4	FFA-VS-004-W2	Solid	04/22/2010 1415	04/23/2010 0930
280-2720-5	FFA-VS-005-W	Solid	04/22/2010 1430	04/23/2010 0930
280-2720-6	FFA-VS-006-W2	Solid	04/22/2010 1442	04/23/2010 0930
280-2720-7	FFA-VS-007-W	Solid	04/22/2010 1451	04/23/2010 0930
280-2720-8	FFA-VS-008-W2	Solid	04/22/2010 1502	04/23/2010 0930
280-2720-9	FFA-VS-009-W	Solid	04/22/2010 1513	04/23/2010 0930
280-2720-10	FFA-VS-010-W2	Solid	04/22/2010 1526	04/23/2010 0930
280-2720-11	FFA-VS-011-DUP-W2	Solid	04/22/2010 1526	04/23/2010 0930
280-2720-12	FFA-VS-012-W	Solid	04/22/2010 1646	04/23/2010 0930
280-2720-13	FFA-VS-013-W2	Solid	04/22/2010 1654	04/23/2010 0930
280-2720-14	FFA-VS-014-W	Solid	04/22/2010 1709	04/23/2010 0930
280-2720-15	FFA-VS-015-W2	Solid	04/22/2010 1720	04/23/2010 0930
280-2720-16	FFA-VS-016-W	Solid	04/22/2010 1728	04/23/2010 0930
280-2720-17	FFA-VS-017-W2	Solid	04/22/2010 1736	04/23/2010 0930
280-2720-18	FFA-VS-018-W	Solid	04/22/2010 1745	04/23/2010 0930
280-2720-19	FFA-VS-019-W2	Solid	04/22/2010 1753	04/23/2010 0930

METHOD SUMMARY

Client: Toltest Inc.

Job Number: 280-2720-1
Sdg Number: 23050.01, Task Order 0056

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
SW846 8082 PCBs	TAL PIT	SW846 8082	

Lab References:

TAL PIT = TestAmerica Pittsburgh

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Subcontract Data

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There are 102 pages in this document.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. 280-2720-1

TOLTEST

Lot #: C0D240482

Michelle Johnston

TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002

TESTAMERICA LABORATORIES, INC.

The test results reported herein meet all requirements of the current version of the DoD QSM.

Christina M. Kovitch
Project Manager

April 30, 2010

NELAC REPORTING:

At the time of analysis the laboratory was in compliance with the current NELAC standards and held accreditation for all analyses performed unless noted by a qualifier. The labs accreditation numbers are listed below. The format and contents of the report meets all applicable NELAC standards except as noted in the narrative and shall not be reproduced except in full, without the written approval of the laboratory. The table below presents a summary of the certifications held by TestAmerica Pittsburgh. Our primary accreditation authority for the Non-potable water and Solid & Hazardous waste programs is Pennsylvania DEP. A more detailed parameter list is available upon request. Please ask your project manager for this information when required.

Certifying State/Program	Certificate #	Program Types	TestAmerica
DoD ELAP	ADE-1442	WW HW	X
US Dept of Agriculture	(#P330-07-00101)	Foreign Soil Import Permit	X
Arkansas	(#88-0690)	WW HW	X X
California – NELAC	04224CA	WW HW	X X
Connecticut	(#PH-0688)	WW HW	X X
Florida – NELAC	(#E871008)	WW HW	X X
Illinois – NELAC	(#002319)	WW HW	X X
Kansas – NELAC	(#E-10350)	WW HW	X X
Louisiana – NELAC	(#04041)	WW HW	X X
New Hampshire – NELAC	(#203010)	WW --	X --
New Jersey – NELAC	(PA-005)	WW HW	X X
New York – NELAC	(#11182)	WW HW	X X
North Carolina	(#434)	WW HW	X X
Pennsylvania - NELAC	(#02-00416)	WW HW	X X
South Carolina	(#89014002)	WW HW	X X
Utah – NELAC	(STLP)	WW HW	X X
West Virginia	(#142)	WW HW	X X
Wisconsin	998027800	WW HW	X X

The codes utilized for program types are described below:

HW Hazardous Waste certification
WW Non-potable Water and/or Wastewater certification
X Laboratory has some form of certification under the specific program. Many states certify laboratories for specific parameters or tests within a category. The information in the table indicates the lab is certified in a general category of testing. Please contact the laboratory if parameter specific certification information is required.

Updated: 4/6/2010 C:\Documents and Settings\derubeisn\My Documents\NELAC NARRATIVE Pttsburgh.doc

CASE NARRATIVE

TestAmerica Denver
280-2720

Lot# C0D240482

Sample Receiving:
TestAmerica's Pittsburgh laboratory received samples on April 24, 2010. The cooler was received within the proper temperature range.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

PCBs:
Due to the concentration of aroclors detected, several samples were analyzed at a dilution. Several samples had the surrogates diluted out.

The matrix spikes of sample FFA-VS-001-F (280-2720-1) were diluted out.

"I certify that this Sample Data Package is in compliance with the terms and conditions of the DOD QSM, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature."

Christina Kovitch, Project Manager

6/3/10
Date

Organic Qualifiers

E - Estimated Result. Result concentration exceeds the calibration range.

N - Estimated result. Analyte is a Tentatively Identified Compound. (TIC)

PG - The relative percent difference between the original and confirmation analyses is greater than 40%.

Z - Quality control criteria failed. (IS)

* - Surrogate recovery is outside stated control limits.

P - Relative percent difference (RPD) is outside stated control limits.

a - Spiked analyte recovery is outside stated control limits.

Inorganic Qualifiers

I - Estimated Result. Result concentration exceeds the calibration range.

CB - Blank contamination. The recorded result is associated with a contaminated calibration blank.

AB - Quality control criteria failed. (ICSA and/or ICSAB)

W - Post digestion spike recovery is outside control limits.

N - Spiked analyte recovery is outside stated control limits.

* - Relative percent difference (RPD) is outside stated control limits.

Organic/Inorganic Qualifiers

U - The analyte was not detected.

J - Estimated Result. Result is less than the reporting limit.

CV - Quality control criteria failed. (CCV)

LC - Quality control criteria failed. (LCS)

B - Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Dioxin Qualifiers

Q - Estimated maximum possible concentration. (EMPC)

METHODS SUMMARY

COD240482

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
PCBs by SW-846 8082A	SW846 8082A	
Total Residue as Percent Solids	SM20 2540G	

References:

SM20 "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER", 20TH EDITION."

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

COD240482

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
L0HCH	001	FFA-VS-001-F (280-2720-1)	04/22/10	13:01
L0HCL	002	FFA-VS-002-F (280-2720-2)	04/22/10	13:15
L0HCN	003	FFA-VS-003-W (280-2720-3)	04/22/10	14:00
L0HCP	004	FFA-VS-004-W2 (280-2720-4)	04/22/10	14:15
L0HCQ	005	FFA-VS-005-W (280-2720-5)	04/22/10	14:30
L0HCR	006	FFA-VS-006-W2 (280-2720-6)	04/22/10	14:42
L0HCV	007	FFA-VS-007-W (280-2720-7)	04/22/10	14:51
L0HCW	008	FFA-VS-008-W2 (280-2720-8)	04/22/10	15:02
L0HCX	009	FFA-VS-009-W (280-2720-9)	04/22/10	15:13
L0HC0	010	FFA-VS-010-W2 (280-2720-10)	04/22/10	15:26
L0HC1	011	FFA-VS-011-DUP-W2 (280-2720-11)	04/22/10	15:26
L0HC2	012	FFA-VS-012-W (280-2720-12)	04/22/10	16:46
L0HC3	013	FFA-VS-013-W2 (280-2720-13)	04/22/10	16:54
L0HC4	014	FFA-VS-014-W (280-2720-14)	04/22/10	17:09
L0HC5	015	FFA-VS-015-W2 (280-2720-15)	04/22/10	17:20
L0HC7	016	FFA-VS-016-W (280-2720-16)	04/22/10	17:28
L0HC8	017	FFA-VS-017-W2 (280-2720-17)	04/22/10	17:36
L0HC9	018	FFA-VS-018-W (280-2720-18)	04/22/10	17:43
L0HDA	019	FFA-VS-019-W2 (280-2720-19)	04/22/10	17:53

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

QC DATA ASSOCIATION SUMMARY

C0D240482

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
002	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
003	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
004	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
005	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
006	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
007	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
008	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
009	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
010	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
011	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
012	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
013	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
014	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

C0D240482

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
015	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
016	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
017	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
018	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003
019	SOLID	SW846 8082A		0116033	0116019
	SOLID	SM20 2540G		0115015	0115003

MANUAL INTEGRATION SUMMARY REPORT

HP6890 GC-14 MR-2

Sample Name	Data File	Lot No.	Compound	Code
M1242	04260.b/Z0401000.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Z0401001.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Z0401002.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Z0401003.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Z0401004.D	SDGa05064	No Manual Integrations	
M2154	04260.b/Z0401005.D	SDGa05064	No Manual Integrations	
M1232	04260.b/Z0401006.D	SDGa05064	No Manual Integrations	
M1248	04260.b/Z0401007.D	SDGa05064	No Manual Integrations	
M1262	04260.b/Z0401008.D	SDGa05064	No Manual Integrations	
M1268	04260.b/Z0401009.D	SDGa05064	No Manual Integrations	
XL1660	04260.b/Z0401010.D	SDGa05064	No Manual Integrations	
L1660	04260.b/Z0401011.D	SDGa05064	No Manual Integrations	
ML1660	04260.b/Z0401012.D	SDGa05064	No Manual Integrations	
M1660	04260.b/Z0401013.D	SDGa05064	No Manual Integrations	
MH1660	04260.b/Z0401014.D	SDGa05064	No Manual Integrations	
H1660	04260.b/Z0401015.D	SDGa05064	No Manual Integrations	
XH1660	04260.b/Z0401016.D	SDGa05064	No Manual Integrations	
2M2154	04260.b/Z0401017.D	SDGa05064	No Manual Integrations	
2M1232	04260.b/Z0401018.D	SDGa05064	No Manual Integrations	
2M1242	04260.b/Z0401019.D	SDGa05064	No Manual Integrations	
2M1248	04260.b/Z0401020.D	SDGa05064	No Manual Integrations	
2M1262	04260.b/Z0401021.D	SDGa05064	No Manual Integrations	
2M1268	04260.b/Z0401022.D	SDGa05064	No Manual Integrations	
2M1660	04260.b/Z0401023.D	SDGa05064	No Manual Integrations	

Legend

BAS - Baseline Event
SP - Split Peak
TAIL - Peak Tailing or Fronting
NOID - Analyte not Identified by the Data System
MSID - Analyte Misidentified by the Data System
PNF - Peak Not Found
PC - Poor Chromatography
WI - Wrong Isomer
SN - Other See Narrative
PFS - Peak Split
WFP - Peak Identified Incorrectly
WFI - Peak Integrated Incorrectly
PFT - Peak Tailing
PFF - Peak Fronting
PAB - Peak Added Back

MANUAL INTEGRATION SUMMARY REPORT

HP6890 GC-14 MR-1

Sample Name	Data File	Lot No.	Compound	Code
M1242	04260.b/Y0401000.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Y0401001.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Y0401002.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Y0401003.D	SDGa05064	No Manual Integrations	
M1242	04260.b/Y0401004.D	SDGa05064	No Manual Integrations	
M2154	04260.b/Y0401005.D	SDGa05064	No Manual Integrations	
M1232	04260.b/Y0401006.D	SDGa05064	No Manual Integrations	
M1248	04260.b/Y0401007.D	SDGa05064	No Manual Integrations	
M1262	04260.b/Y0401008.D	SDGa05064	No Manual Integrations	
M1268	04260.b/Y0401009.D	SDGa05064	No Manual Integrations	
XL1660	04260.b/Y0401010.D	SDGa05064	Aroclor-1016	PC
L1660	04260.b/Y0401011.D	SDGa05064	Decachlorobiphenyl	PC
ML1660	04260.b/Y0401012.D	SDGa05064	No Manual Integrations	
M1660	04260.b/Y0401013.D	SDGa05064	No Manual Integrations	
MH1660	04260.b/Y0401014.D	SDGa05064	No Manual Integrations	
H1660	04260.b/Y0401015.D	SDGa05064	No Manual Integrations	
XH1660	04260.b/Y0401016.D	SDGa05064	No Manual Integrations	
2M2154	04260.b/Y0401017.D	SDGa05064	No Manual Integrations	
2M1232	04260.b/Y0401018.D	SDGa05064	No Manual Integrations	
2M1242	04260.b/Y0401019.D	SDGa05064	No Manual Integrations	
2M1248	04260.b/Y0401020.D	SDGa05064	No Manual Integrations	
2M1262	04260.b/Y0401021.D	SDGa05064	No Manual Integrations	
2M1268	04260.b/Y0401022.D	SDGa05064	No Manual Integrations	
2M1660	04260.b/Y0401023.D	SDGa05064	Aroclor-1260	PC
2M1660	04260.b/Y0401023.D	SDGa05064	Aroclor-1016	PC

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WFI - Peak Integrated Incorrectly
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PAB - Peak Added Back

MANUAL INTEGRATION SUMMARY REPORT

Sample Name	Data File	Lot No.	Compound	Code
M1660	04260.b/Y0401070.D	SDGa05064	No Manual Integrations	
L0HCH1AA	04260.b/Y0401071.D	C0D240482	Aroclor-1242	PC
L0HCH1AE	04260.b/Y0401072.D	C0D240482	No Manual Integrations	
L0HCH1AF	04260.b/Y0401073.D	C0D240482	No Manual Integrations	
L0HCL1AA	04260.b/Y0401074.D	C0D240482	Aroclor-1242	PC
L0HCN1AA	04260.b/Y0401075.D	C0D240482	No Manual Integrations	
L0HCP1AA	04260.b/Y0401076.D	C0D240482	Aroclor-1242	PC
L0HCQ1AA	04260.b/Y0401077.D	C0D240482	Aroclor-1242	PC
L0HVM1AA	04260.b/Y0401079.D	C0D240482	No Manual Integrations	
L0HVM1AC	04260.b/Y0401080.D	C0D240482	No Manual Integrations	
MH1660	04260.b/Y0401081.D	SDGa05064	No Manual Integrations	
L0HCR1AA	04260.b/Y0401082.D	C0D240482	No Manual Integrations	
L0HCV1AA	04260.b/Y0401083.D	C0D240482	Aroclor-1242	PC
L0HCW1AA	04260.b/Y0401084.D	C0D240482	No Manual Integrations	
L0HCX1AA	04260.b/Y0401085.D	C0D240482	No Manual Integrations	
L0HC01AA	04260.b/Y0401086.D	C0D240482	No Manual Integrations	
L0HC11AA	04260.b/Y0401087.D	C0D240482	No Manual Integrations	
L0HC21AA	04260.b/Y0401088.D	C0D240482	No Manual Integrations	
M1660	04260.b/Y0401092.D	SDGa05064	No Manual Integrations	
L0HC31AA	04260.b/Y0401093.D	C0D240482	No Manual Integrations	
L0HC41AA	04260.b/Y0401094.D	C0D240482	No Manual Integrations	
L0HC51AA	04260.b/Y0401095.D	C0D240482	No Manual Integrations	
L0HC71AA	04260.b/Y0401096.D	C0D240482	Aroclor-1248	PC
L0HC81AA	04260.b/Y0401097.D	C0D240482	No Manual Integrations	
L0HC91AA	04260.b/Y0401098.D	C0D240482	Aroclor-1248	PC
L0HDA1AA	04260.b/Y0401099.D	C0D240482	No Manual Integrations	
MH1660	04260.b/Y0401103.D	SDGa05064	No Manual Integrations	
M1660	04260.b/Z0401070.D	SDGa05064	No Manual Integrations	
L0HCH1AA	04260.b/Z0401071.D	C0D240482	No Manual Integrations	
L0HCH1AE	04260.b/Z0401072.D	C0D240482	No Manual Integrations	
L0HCH1AF	04260.b/Z0401073.D	C0D240482	No Manual Integrations	
L0HCL1AA	04260.b/Z0401074.D	C0D240482	No Manual Integrations	
L0HCN1AA	04260.b/Z0401075.D	C0D240482	No Manual Integrations	
L0HCP1AA	04260.b/Z0401076.D	C0D240482	No Manual Integrations	
L0HCQ1AA	04260.b/Z0401077.D	C0D240482	No Manual Integrations	
L0HVM1AA	04260.b/Z0401079.D	C0D240482	No Manual Integrations	

Legend

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PAB - Peak Added Back

MANUAL INTEGRATION SUMMARY REPORT

Sample Name	Data File	Lot No.	Compound	Code
L0HVM1AC	04260.b/Z0401080.D	C0D240482	No Manual Integrations	
MH1660	04260.b/Z0401081.D	SDGa05064	No Manual Integrations	
L0HCR1AA	04260.b/Z0401082.D	C0D240482	No Manual Integrations	
L0HCV1AA	04260.b/Z0401083.D	C0D240482	No Manual Integrations	
L0HCW1AA	04260.b/Z0401084.D	C0D240482	No Manual Integrations	
L0HCX1AA	04260.b/Z0401085.D	C0D240482	No Manual Integrations	
L0HC01AA	04260.b/Z0401086.D	C0D240482	No Manual Integrations	
L0HC11AA	04260.b/Z0401087.D	C0D240482	No Manual Integrations	
L0HC21AA	04260.b/Z0401088.D	C0D240482	No Manual Integrations	
M1660	04260.b/Z0401092.D	SDGa05064	No Manual Integrations	
L0HC31AA	04260.b/Z0401093.D	C0D240482	No Manual Integrations	
L0HC41AA	04260.b/Z0401094.D	C0D240482	No Manual Integrations	
L0HC51AA	04260.b/Z0401095.D	C0D240482	No Manual Integrations	
L0HC71AA	04260.b/Z0401096.D	C0D240482	No Manual Integrations	
L0HC81AA	04260.b/Z0401097.D	C0D240482	No Manual Integrations	
L0HC91AA	04260.b/Z0401098.D	C0D240482	No Manual Integrations	
L0HDA1AA	04260.b/Z0401099.D	C0D240482	No Manual Integrations	
MH1660	04260.b/Z0401103.D	SDGa05064	No Manual Integrations	

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TestAmerica Denver
4955 Yarrow Street
Arvada, CO 80002
Phone (303) 736-0100 Fax (303) 431-7171

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Johnston, Michelle	Carrier Tracking No(s):	COC No: 280-9066.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: michelle.johnston@testamericainc.com		Page: Page 1 of 2
Company: TestAmerica Laboratories, Inc.				Job #: 280-2720-1
Address: 301 Alpha Drive, RIDC Park,	Due Date Requested: 4/29/2010			
City: Pittsburgh	TAT Requested (days):			
State, Zip: PA, 15238				
Phone: 412-963-7058(Tel) 412-963-2468(Fax)	PO #:			
Email:	WO #:			
Project Name: Mine Fill B, NSA Crane Naval Station, IN	Project #: 28003465			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	SUBCONTRACT/	Special Instructions/Note:
FFA-VS-001-F (280-2720-1)	4/22/10	13:01 Eastern		Solid	X	
FFA-VS-002-F (280-2720-2)	4/22/10	13:15 Eastern		Solid	X	
FFA-VS-003-W (280-2720-3)	4/22/10	14:00 Eastern		Solid	X	
FFA-VS-004-W2 (280-2720-4)	4/22/10	14:15 Eastern		Solid	X	
FFA-VS-005-W (280-2720-5)	4/22/10	14:30 Eastern		Solid	X	
FFA-VS-006-W2 (280-2720-6)	4/22/10	14:42 Eastern		Solid	X	
FFA-VS-007-W (280-2720-7)	4/22/10	14:51 Eastern		Solid	X	
FFA-VS-008-W2 (280-2720-8)	4/22/10	15:02 Eastern		Solid	X	
FFA-VS-009-W (280-2720-9)	4/22/10	15:13 Eastern		Solid	X	
FFA-VS-010-W2 (280-2720-10)	4/22/10	15:26 Eastern		Solid	X	
FFA-VS-011-DUP-W2 (280-2720-11)	4/22/10	15:26 Eastern		Solid	X	

Possible Hazard Identification
☐ *Non-Hazard* ☐ *Flammable* ☐ *Skin Irritant* ☐ *Poison B* ☐ *Unknown* ☐ *Radiological*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: NC Watt	Date/Time: 4-23-10 1600	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 4-24-10 10:15	Company TA pittsburgh
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:		

COD240482

COC No. A 06757

~~158 Starlite Drive~~
~~Marietta, OH 45750~~

Microbac

Test America
4955 Yarrow St.
Arvada, CO 80002

303.736.0110
~~Phone: 740-373-4071~~
~~Fax: 740-373-4835~~

CHAIN-OF-CUSTODY RECORD

Company Name: Tol Test, Inc.

Project Contact: Brian Morgan

Contact Phone #: 419 794.3500

Turn Around Requirements: 48 hrs.

Location: NSA Crane - SWMU 9

Project ID: 23050.01

Sampler (print): Brian Morgan

Signature:

Program: ☐ CWA ☐ RCRA ☑ DOD ☐ AFCEE ☐ Other

Sample I.D. No.	Comp	Grab	Date	Time	Matrix*	NUMBER OF CONTAINERS	Hold	Total PCB's - Method 8082	TOTAL # (LAB USE)	ADDITIONAL REQUIREMENTS
FFA-VS-001-F	✓		22 APR 10	1301	Soil	1		✓		
FFA-VS-002-F	✓		"	1315	"	1		✓		
FFA-VS-003-W	✓		"	1400	"	1		✓		
FFA-VS-004-W2	✓		"	1415	"	1		✓		
FFA-VS-005-W	✓		"	1430	"	1		✓		
FFA-VS-006-W2	✓		"	1442	"	1		✓		
FFA-VS-007-W	✓		"	1451	"	1		✓		
FFA-VS-008-W2	✓		"	1502	"	1		✓		
FFA-VS-009-W	✓		"	1513	"	1		✓		
FFA-VS-010-W2	✓		"	1526	"	1		✓		
FFA-VS-011-DUP-	✓	W2	010 "	1526	"	1		✓		
FFA-VS-012-W	✓		"	1546	"	1		✓		
FFA-VS-013-W2	✓		"	1654	"	1		✓		
FFA-VS-014-W	✓		"	1709	"	1		✓		
FFA-VS-015-W2	✓		"	1720	"	1		✓		
FFA-VS-016-W	✓		"	1728	"	1		✓		
FFA-VS-017-W2	✓		"	1736	"	1		✓		
FFA-VS-018-W	✓		"	1745	"	1		✓		
FFA-VS-019-W2	✓		"	1753	"	1		✓		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Relinquished by: (Signature)	Date	Time	Received by: (Signature)
	22 APR 10						

Relinquished by: (Signature)	Date	Time	Received for Laboratory by: (Signature)	Date	Time	Remarks:

*Water (W), Soil (S), Solid Waste (SD), Unknown (X)

Page _____ of _____

TestAmerica Pittsburgh

Cooler Receipt Form

Client: TJA Denver Project: _____ Quote: 85512

Cooler Rec'd & Opened for Temp. Check on: 4-24-10

Coolers Opened and Unpacked on: 4-24-10 By: _____ (Signature)

TestAmerica Pittsburgh Lot Number: COD240482

		Yes	No	NA
1.	Were custody seals on the outside of the cooler?			
	If YES, how many and where? Quantity 1 Location Front			
	Were signatures and date correct?	✓		
2.	Were custody papers included inside the cooler?	✓		
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓		
4.	Did you sign the custody papers in the appropriate place?	✓		
5.	Was shippers packing slip attached to this form?	✓		
6.	Were packing materials used?	✓		
	If YES, what type? Bubble Bag			
7.	Were the samples received within the acceptable temperature range?	✓		
8.	Were the samples appropriately preserved?			✓
9.	Were all bottles sealed in separate plastic bags?	✓		
10.	Did all bottles arrive in good condition (unbroken)?	✓		
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓		
12.	Did all bottle labels and/or tags agree with custody papers?	✓		
13.	Were correct bottles used for tests indicated?	✓		
14.	Were all VOA vials checked for the presence of air bubbles?			✓
15.	Was a sufficient amount of sample sent in each bottle?	✓		

16. Samples received by: FEDEX UPS CLIENT DROP-OFF OTHER DHL US CARGO

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Rev. 1, 01/20/2010
X:\Forms\Cooler Receipt Form_updated 102010.DOC

TestAmerica Pittsburgh

Cooler Receipt Form

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hardness PH<2	Residual CL	

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer ID
1	2.0	4

Sample	Lot Number**

*Acceptable Temperature Range: < 0-6 °C

**Please use an asterisk if bottle lot number was covered by the label

If samples required preservation in the laboratory, the following lot number(s) was/were used:

Nitric Acid _____ Hydrochloric Acid _____

Sulfuric Acid _____ Sodium Hydroxide _____

X:\Forms\Cooler Receipt Form_updated 102010.DOC
Rev. 1, 01/20/2010

ORIGIN ID: WHHA (303) 736-0100
SAMPLE CUSTODIAN
TEST AMERICA
4955 YARROW ST

ARVADA, CO 80002
UNITED STATES US

SHIP DATE: 23APR10
ACTWGT: 47.8 LB
CAD: 0025761/CAFE2452

BILL SENDER

TO SAMPLE RECIEVING
TESTAMERICA PITTSBURGH
301 ALPHA DRIVE

PITTSBURGH PA 15238
(412) 963-7058 REF:
INV: DEPT:
PO:

FedEx
Express

SATURDAY ### A2
PRIORITY OVERNIGHT

TRK# 0201 4434 8808 7211

15238
PA-US
PIT

XO AGCA

DATA SUMMARY PACKAGE

PCB SUMMARY

TestAmerica Denver

Client Sample ID: FFA-VS-001-F (280-2720-1)

GC Semivolatiles

Lot-Sample #...:	C0D240482-001	**Work Order #...:**	L0HCH1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	16:44		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	16	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**40 U**	**200**	**ug/kg**	**29**
Aroclor 1221	**95 U**	**200**	**ug/kg**	**38**
Aroclor 1232	**40 U**	**200**	**ug/kg**	**34**
Aroclor 1242	**8000**	**200**	**ug/kg**	**32**
Aroclor 1248	**40 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**95 U**	**200**	**ug/kg**	**28**
Aroclor 1260	**40 U**	**200**	**ug/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-002-F (280-2720-2)

GC Semivolatiles

Lot-Sample #...:	C0D240482-002	**Work Order #...:**	L0HCL1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	17:46		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	18	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**41 U**	**200**	**ug/kg**	**30**
Aroclor 1221	**98 U**	**200**	**ug/kg**	**39**
Aroclor 1232	**41 U**	**200**	**ug/kg**	**35**
Aroclor 1242	**11000**	**200**	**ug/kg**	**33**
Aroclor 1248	**41 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**98 U**	**200**	**ug/kg**	**29**
Aroclor 1260	**41 U**	**200**	**ug/kg**	**29**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-003-W (280-2720-3)

GC Semivolatiles

Lot-Sample #...:	C0D240482-003	**Work Order #...:**	L0HCN1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	18:06		
Dilution Factor:	100	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	14	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**390 U**	**1900**	**ug/kg**	**290**
Aroclor 1221	**930 U**	**1900**	**ug/kg**	**370**
Aroclor 1232	**390 U**	**1900**	**ug/kg**	**330**
Aroclor 1242	**210000**	**1900**	**ug/kg**	**320**
Aroclor 1248	**390 U**	**1900**	**ug/kg**	**180**
Aroclor 1254	**930 U**	**1900**	**ug/kg**	**280**
Aroclor 1260	**390 U**	**1900**	**ug/kg**	**280**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-004-W2 (280-2720-4)

GC Semivolatiles

Lot-Sample #...:	C0D240482-004	**Work Order #...:**	L0HCP1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	18:27		
Dilution Factor:	98.68	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	13	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**380 U**	**1900**	**ug/kg**	**280**
Aroclor 1221	**910 U**	**1900**	**ug/kg**	**360**
Aroclor 1232	**380 U**	**1900**	**ug/kg**	**320**
Aroclor 1242	**220000**	**1900**	**ug/kg**	**310**
Aroclor 1248	**380 U**	**1900**	**ug/kg**	**180**
Aroclor 1254	**910 U**	**1900**	**ug/kg**	**270**
Aroclor 1260	**380 U**	**1900**	**ug/kg**	**270**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-005-W (280-2720-5)

GC Semivolatiles

Lot-Sample #...:	C0D240482-005	**Work Order #...:**	L0HCQ1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	18:47		
Dilution Factor:	100	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	13	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**380 U**	**1900**	**ug/kg**	**290**
Aroclor 1221	**920 U**	**1900**	**ug/kg**	**370**
Aroclor 1232	**380 U**	**1900**	**ug/kg**	**330**
Aroclor 1242	**130000**	**1900**	**ug/kg**	**310**
Aroclor 1248	**380 U**	**1900**	**ug/kg**	**180**
Aroclor 1254	**920 U**	**1900**	**ug/kg**	**270**
Aroclor 1260	**380 U**	**1900**	**ug/kg**	**270**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-006-W2 (280-2720-6)

GC Semivolatiles

Lot-Sample #...:	C0D240482-006	**Work Order #...:**	L0HCR1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	20:29		
Dilution Factor:	100	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	13	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**380 U**	**1900**	**ug/kg**	**280**
Aroclor 1221	**920 U**	**1900**	**ug/kg**	**370**
Aroclor 1232	**380 U**	**1900**	**ug/kg**	**330**
Aroclor 1242	**180000**	**1900**	**ug/kg**	**310**
Aroclor 1248	**380 U**	**1900**	**ug/kg**	**180**
Aroclor 1254	**920 U**	**1900**	**ug/kg**	**270**
Aroclor 1260	**380 U**	**1900**	**ug/kg**	**270**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-007-W (280-2720-7)

GC Semivolatiles

Lot-Sample #...:	C0D240482-007	**Work Order #...:**	L0HCV1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	20:50		
Dilution Factor:	9.87	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	18	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**40 U**	**200**	**ug/kg**	**30**
Aroclor 1221	**96 U**	**200**	**ug/kg**	**38**
Aroclor 1232	**40 U**	**200**	**ug/kg**	**34**
Aroclor 1242	**16000**	**200**	**ug/kg**	**33**
Aroclor 1248	**40 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**96 U**	**200**	**ug/kg**	**28**
Aroclor 1260	**40 U**	**200**	**ug/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-008-W2 (280-2720-8)

GC Semivolatiles

Lot-Sample #...:	C0D240482-008	**Work Order #...:**	L0HCW1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	21:10		
Dilution Factor:	19.87	**Initial Wgt/Vol:**	15.1 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	18	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**81 U**	**400**	**ug/kg**	**60**
Aroclor 1221	**190 U**	**400**	**ug/kg**	**77**
Aroclor 1232	**81 U**	**400**	**ug/kg**	**69**
Aroclor 1242	**24000**	**400**	**ug/kg**	**66**
Aroclor 1248	**81 U**	**400**	**ug/kg**	**38**
Aroclor 1254	**190 U**	**400**	**ug/kg**	**57**
Aroclor 1260	**81 U**	**400**	**ug/kg**	**57**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-009-W (280-2720-9)

GC Semivolatiles

Lot-Sample #...:	C0D240482-009	**Work Order #...:**	L0HCX1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	21:30		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	17	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**40 U**	**200**	**ug/kg**	**30**
Aroclor 1221	**97 U**	**200**	**ug/kg**	**39**
Aroclor 1232	**40 U**	**200**	**ug/kg**	**35**
Aroclor 1242	**8300**	**200**	**ug/kg**	**33**
Aroclor 1248	**40 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**97 U**	**200**	**ug/kg**	**29**
Aroclor 1260	**40 U**	**200**	**ug/kg**	**29**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-010-W2 (280-2720-10)

GC Semivolatiles

Lot-Sample #...:	C0D240482-010	**Work Order #...:**	L0HC01AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	21:51		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	14	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**39 U**	**190**	**ug/kg**	**29**
Aroclor 1221	**94 U**	**190**	**ug/kg**	**37**
Aroclor 1232	**39 U**	**190**	**ug/kg**	**33**
Aroclor 1242	**7800**	**190**	**ug/kg**	**32**
Aroclor 1248	**39 U**	**190**	**ug/kg**	**18**
Aroclor 1254	**94 U**	**190**	**ug/kg**	**28**
Aroclor 1260	**39 U**	**190**	**ug/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-011-DUP-W2 (280-2720-11)

GC Semivolatiles

Lot-Sample #...:	C0D240482-011	**Work Order #...:**	L0HC11AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	22:11		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	15	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**39 U**	**200**	**ug/kg**	**29**
Aroclor 1221	**94 U**	**200**	**ug/kg**	**38**
Aroclor 1232	**39 U**	**200**	**ug/kg**	**34**
Aroclor 1242	**11000**	**200**	**ug/kg**	**32**
Aroclor 1248	**39 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**94 U**	**200**	**ug/kg**	**28**
Aroclor 1260	**39 U**	**200**	**ug/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-012-W (280-2720-12)

GC Semivolatiles

Lot-Sample #...:	C0D240482-012	**Work Order #...:**	L0HC21AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/27/10		
Prep Batch #...:	0116033	**Analysis Time..:**	22:32		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	15	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**39 U**	**200**	**ug/kg**	**29**
Aroclor 1221	**94 U**	**200**	**ug/kg**	**37**
Aroclor 1232	**39 U**	**200**	**ug/kg**	**34**
Aroclor 1242	**12000**	**200**	**ug/kg**	**32**
Aroclor 1248	**39 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**94 U**	**200**	**ug/kg**	**28**
Aroclor 1260	**39 U**	**200**	**ug/kg**	**28**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-013-W2 (280-2720-13)

GC Semivolatiles

Lot-Sample #...:	C0D240482-013	**Work Order #...:**	L0HC31AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	00:14		
Dilution Factor:	5	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	21	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**21 U**	**110**	**ug/kg**	**16**
Aroclor 1221	**51 U**	**110**	**ug/kg**	**20**
Aroclor 1232	**21 U**	**110**	**ug/kg**	**18**
Aroclor 1242	**4600**	**110**	**ug/kg**	**17**
Aroclor 1248	**21 U**	**110**	**ug/kg**	**10**
Aroclor 1254	**51 U**	**110**	**ug/kg**	**15**
Aroclor 1260	**21 U**	**110**	**ug/kg**	**15**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	107	(40 - 140)
Decachlorobiphenyl	125	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-014-W (280-2720-14)

GC Semivolatiles

Lot-Sample #...:	C0D240482-014	**Work Order #...:**	L0HC41AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	00:34		
Dilution Factor:	9.87	**Initial Wgt/Vol:**	15.2 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	19	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**41 U**	**200**	**ug/kg**	**30**
Aroclor 1221	**98 U**	**200**	**ug/kg**	**39**
Aroclor 1232	**41 U**	**200**	**ug/kg**	**35**
Aroclor 1242	**9500**	**200**	**ug/kg**	**33**
Aroclor 1248	**41 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**98 U**	**200**	**ug/kg**	**29**
Aroclor 1260	**41 U**	**200**	**ug/kg**	**29**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-015-W2 (280-2720-15)

GC Semivolatiles

Lot-Sample #...:	C0D240482-015	**Work Order #...:**	L0HC51AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	00:55		
Dilution Factor:	10	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	19	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**41 U**	**200**	**ug/kg**	**30**
Aroclor 1221	**98 U**	**200**	**ug/kg**	**39**
Aroclor 1232	**41 U**	**200**	**ug/kg**	**35**
Aroclor 1242	**10000**	**200**	**ug/kg**	**33**
Aroclor 1248	**41 U**	**200**	**ug/kg**	**19**
Aroclor 1254	**98 U**	**200**	**ug/kg**	**29**
Aroclor 1260	**41 U**	**200**	**ug/kg**	**29**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-016-W (280-2720-16)

GC Semivolatiles

Lot-Sample #...:	C0D240482-016	**Work Order #...:**	L0HC71AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	01:15		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	20	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**4.2 U**	**21**	**ug/kg**	**3.1**
Aroclor 1221	**10 U**	**21**	**ug/kg**	**4.0**
Aroclor 1232	**4.2 U**	**21**	**ug/kg**	**3.6**
Aroclor 1242	**4.2 U**	**21**	**ug/kg**	**3.4**
Aroclor 1248	**170**	**21**	**ug/kg**	**2.0**
Aroclor 1254	**10 U**	**21**	**ug/kg**	**3.0**
Aroclor 1260	**4.2 U**	**21**	**ug/kg**	**3.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	85	(40 - 140)
Decachlorobiphenyl	88	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-017-W2 (280-2720-17)

GC Semivolatiles

Lot-Sample #...:	C0D240482-017	**Work Order #...:**	L0HC81AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	01:35		
Dilution Factor:	1	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	20	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**4.2 U**	**21**	**ug/kg**	**3.1**
Aroclor 1221	**10 U**	**21**	**ug/kg**	**4.0**
Aroclor 1232	**4.2 U**	**21**	**ug/kg**	**3.6**
Aroclor 1242	**4.2 U**	**21**	**ug/kg**	**3.4**
Aroclor 1248	**230**	**21**	**ug/kg**	**2.0**
Aroclor 1254	**10 U**	**21**	**ug/kg**	**3.0**
Aroclor 1260	**4.2 U**	**21**	**ug/kg**	**3.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	88	(40 - 140)
Decachlorobiphenyl	91	(60 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TestAmerica Denver

Client Sample ID: FFA-VS-018-W (280-2720-18)

GC Semivolatiles

Lot-Sample #...:	C0D240482-018	**Work Order #...:**	L0HC91AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	01:56		
Dilution Factor:	500	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	20	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**2,100 U**	**10000**	**ug/kg**	**1500**
Aroclor 1221	**5,000 U**	**10000**	**ug/kg**	**2000**
Aroclor 1232	**2,100 U**	**10000**	**ug/kg**	**1800**
Aroclor 1242	**2,100 U**	**10000**	**ug/kg**	**1700**
Aroclor 1248	**130000 PG**	**10000**	**ug/kg**	**980**
Aroclor 1254	**5,000 U**	**10000**	**ug/kg**	**1500**
Aroclor 1260	**2,100 U**	**10000**	**ug/kg**	**1500**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TestAmerica Denver

Client Sample ID: FFA-VS-019-W2 (280-2720-19)

GC Semivolatiles

Lot-Sample #...:	C0D240482-019	**Work Order #...:**	L0HDA1AA	**Matrix.....:**	SOLID
Date Sampled...:	04/22/10	**Date Received..:**	04/24/10	**MS Run #.....:**	0116019
Prep Date.....:	04/25/10	**Analysis Date..:**	04/28/10		
Prep Batch #...:	0116033	**Analysis Time..:**	02:16		
Dilution Factor:	500	**Initial Wgt/Vol:**	15 g	**Final Wgt/Vol..:**	20 mL
% Moisture.....:	16	**Analyst ID.....:**	402360	**Instrument ID..:**	S/T
		Method.....:	SW846 8082A		

PARAMETER	RESULT	LOQ	UNITS	DL
Aroclor 1016	**2,000 U**	**9900**	**ug/kg**	**1500**
Aroclor 1221	**4,800 U**	**9900**	**ug/kg**	**1900**
Aroclor 1232	**2,000 U**	**9900**	**ug/kg**	**1700**
Aroclor 1242	**2,000 U**	**9900**	**ug/kg**	**1600**
Aroclor 1248	**120000**	**9900**	**ug/kg**	**940**
Aroclor 1254	**4,800 U**	**9900**	**ug/kg**	**1400**
Aroclor 1260	**2,000 U**	**9900**	**ug/kg**	**1400**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	NC,DIL	(40 - 140)
Decachlorobiphenyl	NC,DIL	(60 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Results and reporting limits have been adjusted for dry weight.

SW846 8082A SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: TestAmerica Denver

Lab Code: TALPIT SDG No:

Lot #: C0D240482

Extraction: XXA4FC#D4

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	FFA-VS-001-F (280-2720-1)	0 D	0 D	02
02	FFA-VS-002-F (280-2720-2)	0 D	0 D	02
03	FFA-VS-003-W (280-2720-3)	0 D	0 D	02
04	FFA-VS-004-W2 (280-2720-4)	0 D	0 D	02
05	FFA-VS-005-W (280-2720-5)	0 D	0 D	02
06	FFA-VS-006-W2 (280-2720-6)	0 D	0 D	02
07	FFA-VS-007-W (280-2720-7)	0 D	0 D	02
08	FFA-VS-008-W2 (280-2720-8)	0 D	0 D	02
09	FFA-VS-009-W (280-2720-9)	0 D	0 D	02
10	FFA-VS-010-W2 (280-2720-10)	0 D	0 D	02
11	FFA-VS-011-DUP-W2 (280-2720-11	0 D	0 D	02
12	FFA-VS-012-W (280-2720-12)	0 D	0 D	02
13	FFA-VS-013-W2 (280-2720-13)	107	125	00
14	FFA-VS-014-W (280-2720-14)	0 D	0 D	02
15	FFA-VS-015-W2 (280-2720-15)	0 D	0 D	02
16	FFA-VS-016-W (280-2720-16)	85	88	00
17	FFA-VS-017-W2 (280-2720-17)	88	91	00
18	FFA-VS-018-W (280-2720-18)	0 D	0 D	02
19	FFA-VS-019-W2 (280-2720-19)	0 D	0 D	02
20	METHOD BLK. L0HVM1AA	105	109	00
21	LCS L0HVM1AC	121	119	00
22	FFA-VS-001-F (280-2720-1) D	0 D	0 D	02
23	FFA-VS-001-F (280-2720-1) S	0 D	0 D	02

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(40-140)
SRG02	= Decachlorobiphenyl	(60-125)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082A CHECK SAMPLE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: TestAmerica Denver

Lab Code: TALPIT SDG No:

Lot #: C0D260000 WO #: L0HVM1AC
BATCH: 0116033

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	1330	1210	91	40- 140	
Aroclor 1260	1330	1150	86	60- 130	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: TestAmerica Denver

Lab Code: TALPIT SDG No:

Matrix Spike ID: FFA-VS-001-F (280-2720-1) Level:(low/med) LOW

Lot #: C0D240482 WO #: L0HCH1AE
BATCH: 0116033

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	1580	40 U		0*	40- 140	NC DIL
Aroclor 1260	1580	40 U		0*	60- 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Laboratories, Inc. Client: TestAmerica Denver

Lab Code: TALPIT SDG No:

Matrix Spike ID: FFA-VS-001-F (280-2720-1) Level:(low/med) LOW

Lot #: C0D240482 WO #: L0HCH1AF
BATCH: 0116033

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	1580		0*		30	40- 140	NC DIL
Aroclor 1260	1580		0*		30	60- 130	NC DIL

NOTES(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 2 out of 2 outside limits

COMMENTS:

FORM III

BLANK WORKORDER NO.

L0HVM1AA

SW846 8082A METHOD BLANK SUMMARY

Lab Name: TestAmerica Laboratories, Inc.

Lab Code: TALPIT

SDG Number:

Lab File ID: Y0401079.

Lot Number: C0D240482

Matrix: SOLID

Extraction Method:

Date Extracted: 04/25/10

Date Analyzed(1): 04/27/10

Date Analyzed(2): N/A

Time Analyzed(1): 19:28

Time Analyzed(2): N/A

Instrument ID(1): S/T

Instrument ID(2): N/A

GC Column(1): MR1/MR2 ID: 053 GC Column(2): N/A ID: N/A

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	CLIENT ID.	SAMPLE WORK ORDER #	DATE ANALYZED(1)	DATE ANALYZED(2)
01	FFA-VS-001-F (280-2720-1)	L0HCH1AA	04/27/10	N/A
02	FFA-VS-001-F (280-2720-1)	L0HCH1AE S	04/27/10	N/A
03	FFA-VS-001-F (280-2720-1)	L0HCH1AF D	04/27/10	N/A
04	FFA-VS-002-F (280-2720-2)	L0HCL1AA	04/27/10	N/A
05	FFA-VS-003-W (280-2720-3)	L0HCN1AA	04/27/10	N/A
06	FFA-VS-004-W2 (280-2720-4)	L0HCP1AA	04/27/10	N/A
07	FFA-VS-005-W (280-2720-5)	L0HCQ1AA	04/27/10	N/A
08	FFA-VS-006-W2 (280-2720-6)	L0HCR1AA	04/27/10	N/A
09	FFA-VS-007-W (280-2720-7)	L0HCV1AA	04/27/10	N/A
10	FFA-VS-008-W2 (280-2720-8)	L0HCW1AA	04/27/10	N/A
11	FFA-VS-009-W (280-2720-9)	L0HCX1AA	04/27/10	N/A
12	FFA-VS-010-W2 (280-2720-10)	L0HC01AA	04/27/10	N/A
13	FFA-VS-011-DUP-W2 (280-2720-11	L0HC11AA	04/27/10	N/A
14	FFA-VS-012-W (280-2720-12)	L0HC21AA	04/27/10	N/A
15	FFA-VS-013-W2 (280-2720-13)	L0HC31AA	04/28/10	N/A
16	FFA-VS-014-W (280-2720-14)	L0HC41AA	04/28/10	N/A
17	FFA-VS-015-W2 (280-2720-15)	L0HC51AA	04/28/10	N/A
18	FFA-VS-016-W (280-2720-16)	L0HC71AA	04/28/10	N/A
19	FFA-VS-017-W2 (280-2720-17)	L0HC81AA	04/28/10	N/A
20	FFA-VS-018-W (280-2720-18)	L0HC91AA	04/28/10	N/A
21	FFA-VS-019-W2 (280-2720-19)	L0HDA1AA	04/28/10	N/A
22	CHECK SAMPLE	L0HVM1AC C	04/27/10	N/A

COMMENTS:

FORM IV

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C0D240482	**Work Order #...:** L0HVM1AA	**Matrix.....:** SOLID
MB Lot-Sample #: C0D260000-033		
	Prep Date.....: 04/25/10	**Analysis Time..:** 19:28
Analysis Date..: 04/27/10	**Prep Batch #...:** 0116033	**Final Wgt/Vol..:** 20 mL
Dilution Factor: 1	**Initial Wgt/Vol:** 15 g	**Instrument ID..:** S/T
	Analyst ID.....: 402360	

PARAMETER	RESULT	LOQ	UNITS	METHOD
Aroclor 1016	**3.3 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1221	**8.0 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1232	**3.3 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1242	**3.3 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1248	**3.3 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1254	**8.0 U**	**17**	**ug/kg**	**SW846 8082A**
Aroclor 1260	**3.3 U**	**17**	**ug/kg**	**SW846 8082A**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	105	(40 - 140)
Decachlorobiphenyl	109	(60 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
1-F (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCH1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	3538.0		
	2	7.75	7.71	7.81	4847.2		
	3	7.93	7.90	8.00	6177.0		
	4	8.05	8.02	8.12	5512.6		
	5	8.32	8.28	8.38	5322.2	5079.4	
COLUMN 2	1	7.03	6.99	7.05	7048.8		
	2	8.31	8.27	8.33	6154.8		
	3	8.63	8.60	8.66	7065.5		
	4						
	5					6756.4	33.0
						RPD= 28.3	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
2-F (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCL1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.02	6.99	7.05	7867.6		
	2	7.67	7.64	7.70	7543.0		
	3	7.78	7.76	7.82	8561.1		
	4	8.30	8.27	8.33	9795.9		
	5	8.63	8.60	8.66	9462.6	8646.0	
COLUMN 2	1	7.11	7.07	7.17	6933.6		
	2	7.75	7.71	7.81	7385.0		
	3	7.94	7.90	8.00	7756.0		
	4	8.06	8.02	8.12	8628.8		
	5	8.32	8.28	8.38	8416.1	7823.9	10.5
						RPD= 10.0	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
3-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCN1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	7.11	7.07	7.17	147810		
Aroclor-1242	2	7.75	7.71	7.81	148290		
	3	7.94	7.90	8.00	167350		
COLUMN 1	4	8.06	8.02	8.12	167430		
	5	8.32	8.28	8.38	179520	162080	
	1	7.02	6.99	7.05	169080		
	2	7.67	7.64	7.70	132130		
	3	7.78	7.76	7.82	199440		
COLUMN 2	4	8.30	8.27	8.33	189560		
	5	8.62	8.60	8.66	194500	176940	9.2
						RPD= 8.8	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
4-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCP1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	7.13	7.07	7.17	91929		
Aroclor-1242	2	7.75	7.71	7.81	160310		
	3	7.94	7.90	8.00	177790		
COLUMN 1	4	8.06	8.02	8.12	185130		
	5	8.32	8.28	8.38	196350	162300	
	1	7.02	6.99	7.05	177220		
	2	7.67	7.64	7.70	127980		
	3	7.78	7.76	7.82	218100		
COLUMN 2	4	8.30	8.27	8.33	214900		
	5	8.63	8.60	8.66	226900	193020	18.9
						RPD= 17.3	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
5-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCQ1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.02	6.99	7.05	107730		
	2	7.67	7.64	7.70	102740		
	3	7.78	7.76	7.82	117730		
	4	8.30	8.27	8.33	103670		
	5	8.63	8.60	8.66	112850	108940	
COLUMN 2	1	7.13	7.07	7.17	59172		
	2	7.75	7.71	7.81	87460		
	3	7.94	7.90	8.00	101640		
	4	8.06	8.02	8.12	102000		
	5	8.32	8.28	8.38	105520	91159	19.5
						RPD= 17.8	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
6-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCR1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	7.02	6.99	7.05	161150		
Aroclor-1242	2	7.67	7.64	7.70	148090		
	3	7.78	7.76	7.82	172320		
COLUMN 1	4	8.30	8.27	8.33	153940		
	5	8.63	8.60	8.66	165050	160110	
	1	7.13	7.07	7.17	84014		
	2	7.75	7.71	7.81	117660		
	3	7.94	7.90	8.00	136740		
COLUMN 2	4	8.06	8.02	8.12	136800		
	5	8.32	8.28	8.38	142150	123470	29.7
						RPD= 25.8	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
7-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCV1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	7.13	7.07	7.17	7052.7		
Aroclor-1242	2	7.75	7.71	7.81	9260.9		
	3	7.94	7.90	8.00	11201		
COLUMN 1	4	8.06	8.02	8.12	11211		
	5	8.32	8.28	8.38	12082	10161	
	1	7.02	6.99	7.05	13759		
	2	7.67	7.64	7.70	12953		
	3	8.30	8.27	8.33	13470		
COLUMN 2	4						
	5					13394	31.8
						RPD= 27.5	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-008-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: COD240482

Lab Sample ID: L0HCW1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	7.13	7.07	7.17	9829.7		
Aroclor-1242	2	7.93	7.90	8.00	15608		
	3	8.05	8.02	8.12	15982		
COLUMN 1	4	8.32	8.28	8.38	16880		
	5					14575	
	1	7.02	6.99	7.05	19752		
	2	7.67	7.64	7.70	19156		
	3	8.30	8.27	8.33	19791		
COLUMN 2	4						
	5					19566	34.2
						RPD= 29.2	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-00
9-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HCX1AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	3307.6		
	2	7.93	7.90	8.00	5642.5		
	3	8.05	8.02	8.12	6139.6		
	4	8.32	8.28	8.38	6782.0		
	5					5467.9	
COLUMN 2	1	7.02	6.99	7.05	6354.4		
	2	7.67	7.64	7.70	7118.0		
	3	8.30	8.27	8.33	6971.1		
	4						
	5					6814.5	24.6
						RPD= 21.9	
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
0-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC01AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	2829.3		
	2	7.93	7.90	8.00	4957.3		
	3	8.05	8.02	8.12	5399.2		
	4	8.32	8.28	8.38	5812.3		
	5					4749.5	
COLUMN 2	1	7.02	6.99	7.05	5462.2		
	2	7.67	7.64	7.70	6057.8		
	3	7.78	7.76	7.82	6953.7		
	4	8.30	8.27	8.33	5956.8		
	5	8.62	8.60	8.66	8782.8	6642.6	39.8
						RPD= 33.2	
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
1-DUP-W2 (

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC11AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	4033.4		
	2	7.93	7.90	8.00	7198.2		
	3	8.05	8.02	8.12	7899.1		
	4	8.32	8.28	8.38	8662.2		
	5					6948.2	
COLUMN 2	1	7.02	6.99	7.05	8383.3		
	2	7.67	7.64	7.70	9589.8		
	3	8.30	8.27	8.33	9832.6		
	4						
	5					9268.6	33.4
						RPD= 28.6	
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
2-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC21AA Date(s) Analyzed: 04/27/10 04/27/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	4528.4		
	2	7.93	7.90	8.00	8591.1		
	3	8.05	8.02	8.12	7916.4		
	4	8.32	8.28	8.38	8308.0		
	5					7336.0	
COLUMN 2	1	7.02	6.99	7.05	9014.7		
	2	7.67	7.64	7.70	10264		
	3	8.30	8.27	8.33	10444		
	4						
	5					9907.8	35.0
						RPD= 29.8	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
3-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC31AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	1797.0		
	2	7.75	7.71	7.81	2453.5		
	3	7.94	7.90	8.00	3247.8		
	4	8.06	8.02	8.12	2900.5		
	5	8.32	8.28	8.38	3021.0	2684.0	
COLUMN 2	1	7.02	6.99	7.05	3065.0		
	2	7.67	7.64	7.70	3663.8		
	3	7.79	7.76	7.82	4298.3		
	4	8.30	8.27	8.33	3444.2		
	5	8.63	8.60	8.66	3693.1	3632.9	35.4
						RPD= 30.0	
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
4-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC41AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.13	7.07	7.17	3679.8		
	2	7.75	7.71	7.81	5385.2		
	3	7.93	7.90	8.00	7217.8		
	4	8.05	8.02	8.12	6825.9		
	5	8.32	8.28	8.38	6842.7	5990.3	
COLUMN 2	1	7.02	6.99	7.05	6839.9		
	2	7.67	7.64	7.70	8083.0		
	3	8.30	8.27	8.33	8114.7		
	4						
	5					7679.2	28.2
						RPD= 24.7	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
5-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC51AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-1 ID: 0.53(mm) GC Column(2): MR-2 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1242 COLUMN 1	1	7.02	6.99	7.05	7067.8		
	2	7.67	7.64	7.70	8406.4		
	3	7.78	7.76	7.82	9472.8		
	4	8.30	8.27	8.33	7314.1		
	5	8.62	8.60	8.66	8813.8	8215.0	
COLUMN 2	1	7.13	7.07	7.17	4096.3		
	2	7.75	7.71	7.81	5069.0		
	3	7.94	7.90	8.00	7322.2		
	4	8.06	8.02	8.12	6721.8		
	5	8.32	8.28	8.38	6536.2	5949.1	38.1
						RPD= 32.0	
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
6-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC71AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
Aroclor-1248 COLUMN 1	1	8.09	8.02	8.12	77.364		
	2	8.27	8.24	8.34	169.70		
	3	9.01	8.97	9.07	232.06		
	4	9.45	9.42	9.52	147.65		
	5					156.70	
COLUMN 2	1	7.91	7.88	7.94	130.76		
	2	8.14	8.11	8.17	134.71		
	3	8.63	8.60	8.66	160.30		
	4	9.34	9.31	9.37	110.17		
	5	9.78	9.75	9.81	125.23	132.23	18.5
						RPD= 16.9	
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						
_____ COLUMN 1	1						
	2						
	3						
	4						
	5						
COLUMN 2	1						
	2						
	3						
	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
7-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HC81AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	8.05	8.02	8.12	176.09		
Aroclor-1248	2	8.27	8.24	8.34	118.22		
	3	9.01	8.97	9.07	310.05		
COLUMN 1	4	9.45	9.42	9.52	219.27		
	5					205.91	
	1	7.92	7.88	7.94	138.75		
	2	8.14	8.11	8.17	99.688		
	3	8.63	8.60	8.66	272.46		
COLUMN 2	4	9.34	9.31	9.37	175.97		
	5	9.79	9.75	9.81	241.10	185.60	10.9
						RPD= 10.4	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
8-W (280-2

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: COD240482

Lab Sample ID: L0HC91AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	8.27	8.24	8.34	200160		
Aroclor-1248	2	9.01	8.97	9.07	219060		
	3	9.45	9.42	9.52	127520		
COLUMN 1	4						
	5					182250	
	1	7.92	7.88	7.94	116920		
	2	8.14	8.11	8.17	143760		
	3	8.63	8.60	8.66	99876		
COLUMN 2	4	9.34	9.31	9.37	84239		
	5	9.79	9.75	9.81	93219	107600	69.4
						RPD= 51.5	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

10B
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

EPA SAMPLE NO.

FFA-VS-01
9-W2 (280-

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

Lab Sample ID: L0HDA1AA Date(s) Analyzed: 04/28/10 04/28/10

Instrument ID (1): GC14 Instrument ID (2): GC14

GC Column(1): MR-2 ID: 0.53(mm) GC Column(2): MR-1 ID: 0.53(mm)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	8.09	8.02	8.12	90126		
Aroclor-1248	2	8.27	8.24	8.34	183530		
	3	9.45	9.42	9.52	109240		
COLUMN 1	4						
	5					127630	
	1	7.92	7.88	7.94	110170		
	2	8.14	8.11	8.17	137160		
	3	8.63	8.60	8.66	92400		
COLUMN 2	4	9.34	9.31	9.37	73178		
	5	9.79	9.75	9.81	77140	98010	30.2
						RPD= 26.3	
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks for each column are required for identification of multicomponent analytes.

PCB
CALIBRATION DATA

Report Date : 28-Apr-2010 07:25

6E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 14:59
End Cal Date : 26-APR-2010 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m
Last Edit : 28-Apr-2010 07:24 gc14.i
Curve Type : Average

Calibration File Names:
Level 1: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401011.D
Level 2: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401012.D
Level 3: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401013.D
Level 4: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401014.D
Level 5: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401015.D
Level 6: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401016.D
Level 7: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401010.D

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
1 Aroclor-1221(1)	+++++ +++++	+++++	174186	+++++	+++++	+++++	174186	0.000	
(2)	+++++ +++++	+++++	129092	+++++	+++++	+++++	129092	0.000	
(3)	+++++ +++++	+++++	403918	+++++	+++++	+++++	403918	0.000	<-
3 Aroclor-1232(1)	+++++ +++++	+++++	143666	+++++	+++++	+++++	143666	0.000	
(2)	+++++ +++++	+++++	267722	+++++	+++++	+++++	267722	0.000	<-
(3)	+++++ +++++	+++++	230780	+++++	+++++	+++++	230780	0.000	<-
(4)	+++++ +++++	+++++	174884	+++++	+++++	+++++	174884	0.000	<-
(5)	+++++ +++++	+++++	129970	+++++	+++++	+++++	129970	0.000	<-

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 14:59
End Cal Date : 26-APR-2010 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m
Last Edit : 28-Apr-2010 07:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	___ RRF	% RSD
4 Aroclor-1016(1)	561660	545825	565600	530234	575700	506481		
	661700						563886	8.709
(2)	612160	652990	669442	629336	733214	661477		
	720900						668503	6.671
(3)	324220	365670	401154	379949	455292	435717		
	415200						396743	11.185
(4)	568840	573080	585120	521659	589675	524307		
	704800						581069	10.507
(5)	372420	430085	458842	415770	479111	437178		
	567400						451544	13.545
5 Aroclor-1242(1)	335000	317450	316108	313168	293540	+++++		
	+++++						315053	4.684
(2)	480700	477110	501892	496588	503352	+++++		
	+++++						491928	2.484
(3)	238200	270810	288152	293096	305725	+++++		
	+++++						279197	9.354
(4)	342700	327610	345366	344896	333281	+++++		
	+++++						338771	2.339
(5)	362200	360010	400070	369020	373788	+++++		
	+++++						373018	4.312
6 Aroclor-1248(1)	+++++	+++++	866848	+++++	+++++	+++++		
	+++++						866848	0.000

Report Date : 28-Apr-2010 07:25

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 14:59
End Cal Date : 26-APR-2010 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m
Last Edit : 28-Apr-2010 07:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	___ RRF	% RSD	
(2)	+++++ / +++++	+++++	976168	+++++	+++++	+++++	976168	0.000	<-
(3)	+++++ / +++++	+++++	790158	+++++	+++++	+++++	790158	0.000	<-
(4)	+++++ / +++++	+++++	446910	+++++	+++++	+++++	446910	0.000	<-
(5)	+++++ / +++++	+++++	213604	+++++	+++++	+++++	213604	0.000	<-
7 Aroclor-1254(1)	+++++ / +++++	+++++	1188632	+++++	+++++	+++++	1188632	0.000	
(2)	+++++ / +++++	+++++	804396	+++++	+++++	+++++	804396	0.000	<-
(3)	+++++ / +++++	+++++	1262404	+++++	+++++	+++++	1262404	0.000	<-
(4)	+++++ / +++++	+++++	611372	+++++	+++++	+++++	611372	0.000	<-
(5)	+++++ / +++++	+++++	538658	+++++	+++++	+++++	538658	0.000	<-
8 Aroclor-1260(1)	1826440 / 2074800	1774795	1725926	1545440	1770437	1583418	1757322	9.915	
(2)	1415640 / 1615300	1372255	1384090	1237823	1425445	1341952	1398929	8.147	

Report Date : 28-Apr-2010 07:25

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 14:59
End Cal Date : 26-APR-2010 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m
Last Edit : 28-Apr-2010 07:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	___ RRF	% RSD	
(3)	1254700 1479400	1248475	1205678	1068838	1236585	1083051	1225247	11.111	
(4)	1113560 1331700	1070725	1068908	958566	1075130	987726	1086616	11.124	
(5)	2332440 2649500	2366240	2175972	2076376	2384573	2160438	2306506	8.289	
9 Aroclor-1262(1)	+++++ +++++	+++++	1135342	+++++	+++++	+++++	1135342	0.000	
(2)	+++++ +++++	+++++	575092	+++++	+++++	+++++	575092	0.000	<-
(3)	+++++ +++++	+++++	517752	+++++	+++++	+++++	517752	0.000	<-
(4)	+++++ +++++	+++++	2443838	+++++	+++++	+++++	2443838	0.000	<-
(5)	+++++ +++++	+++++	1399296	+++++	+++++	+++++	1399296	0.000	<-
10 Aroclor-1268(1)	+++++ +++++	+++++	3221750	+++++	+++++	+++++	3221750	0.000	<-
(2)	+++++ +++++	+++++	2520052	+++++	+++++	+++++	2520052	0.000	<-
(3)	+++++ +++++	+++++	2392826	+++++	+++++	+++++	2392826	0.000	<-

Report Date : 28-Apr-2010 07:25

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 14:59
End Cal Date : 26-APR-2010 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m
Last Edit : 28-Apr-2010 07:24 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
	0.01000 Level 7								
(4)	+++++	+++++	4280058	+++++	+++++	+++++			
	+++++						4280058	0.000	<-
$ 2 Tetrachloro-m-xylene	20332800	20591800	20234720	18538980	19411200	17427925			
	22384000						19845918	8.002	
$ 11 Decachlorobiphenyl	10616000	9539700	9046320	8008720	8629900	8344780			
	+++++						9030903	10.444	

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401023.D
Report Date: 28-Apr-2010 07:21

7E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i Injection Date: 27-APR-2010 01:07
Lab File ID: Y0401023.D Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Analysis Type: Init. Cal. Times: 14:59 22:44
Lab Sample ID: 2M1660 Quant Type: ESTD
Method: \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016(1)	563886	494172	400.000	12.36309	15.00000	Averaged	
(2)	668503	600932	400.000	10.10777	15.00000	Averaged	
(3)	396743	348506	400.000	12.15828	15.00000	Averaged	
(4)	581069	523916	400.000	9.83579	15.00000	Averaged	
(5)	451544	404920	400.000	10.32540	15.00000	Averaged	
$ 2 Tetrachloro-m-xylene	19845918	906200	400.000	95.43382	15.00000	Averaged	<- NA
$ 11 Decachlorobiphenyl	9030903	297680	400.000	96.70376	15.00000	Averaged	<- NA
8 Aroclor-1260(1)	1757322	1588690	400.000	9.59598	15.00000	Averaged	
(2)	1398929	1365362	400.000	2.39949	15.00000	Averaged	
(3)	1225247	958322	400.000	21.78538	15.00000	Averaged	<-
(4)	1086616	839038	400.000	22.78434	15.00000	Averaged	<-
(5)	2306506	1878252	400.000	18.56720	15.00000	Averaged	<-

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401070.D
Report Date: 28-Apr-2010 09:01

7E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i Injection Date: 27-APR-2010 15:34
Lab File ID: Y0401070.D Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Analysis Type: Init. Cal. Times: 14:59 22:44
Lab Sample ID: M1660 Quant Type: ESTD
Method: \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	563886	518720	400.000	8.00972	15.00000	Averaged
(2)	668503	628414	400.000	5.99680	15.00000	Averaged
(3)	396743	387690	400.000	2.28186	15.00000	Averaged
(4)	581069	538688	400.000	7.29357	15.00000	Averaged
(5)	451544	401328	400.000	11.12090	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	19845918	19531160	400.000	1.58601	15.00000	Averaged
$ 11 Decachlorobiphenyl	9030903	8957200	400.000	0.81612	15.00000	Averaged
8 Aroclor-1260(1)	1757322	1622572	400.000	7.66793	15.00000	Averaged
(2)	1398929	1276084	400.000	8.78137	15.00000	Averaged
(3)	1225247	1094542	400.000	10.66762	15.00000	Averaged
(4)	1086616	986942	400.000	9.17291	15.00000	Averaged
(5)	2306506	2210304	400.000	4.17088	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401081.D 7E
Report Date: 28-Apr-2010 09:01

TestAmerica Pittsburgh HP6890 GC-14

CONTINUING CALIBRATION COMPOUNDS MR-1

Instrument ID: gc14.i Injection Date: 27-APR-2010 20:09
Lab File ID: Y0401081.D Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Analysis Type: Init. Cal. Times: 14:59 22:44
Lab Sample ID: MH1660 Quant Type: ESTD
Method: \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	563886	528901	400.000	6.20421	15.00000	Averaged
(2)	668503	653664	400.000	2.21970	15.00000	Averaged
(3)	396743	405740	400.000	-2.26768	15.00000	Averaged
(4)	581069	546070	400.000	6.02316	15.00000	Averaged
(5)	451544	418892	400.000	7.23113	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	19845918	18924580	400.000	4.64246	15.00000	Averaged
$ 11 Decachlorobiphenyl	9030903	9000540	400.000	0.33622	15.00000	Averaged
8 Aroclor-1260(1)	1757322	1655299	400.000	5.80561	15.00000	Averaged
(2)	1398929	1302588	400.000	6.88678	15.00000	Averaged
(3)	1225247	1121497	400.000	8.46766	15.00000	Averaged
(4)	1086616	997913	400.000	8.16327	15.00000	Averaged
(5)	2306506	2312056	400.000	-0.24064	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401092.D
Report Date: 28-Apr-2010 09:01

7E
HP6890 GC-14
MR-1

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i Injection Date: 27-APR-2010 23:53
Lab File ID: Y0401092.D Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Analysis Type: Init. Cal. Times: 14:59 22:44
Lab Sample ID: M1660 Quant Type: ESTD
Method: \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	563886	506350	400.000	10.20343	15.00000	Averaged
(2)	668503	628052	400.000	6.05095	15.00000	Averaged
(3)	396743	360204	400.000	9.20977	15.00000	Averaged
(4)	581069	532258	400.000	8.40016	15.00000	Averaged
(5)	451544	399720	400.000	11.47701	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	19845918	19797120	400.000	0.24588	15.00000	Averaged
$ 11 Decachlorobiphenyl	9030903	9188480	400.000	-1.74486	15.00000	Averaged
8 Aroclor-1260(1)	1757322	1602740	400.000	8.79647	15.00000	Averaged
(2)	1398929	1299976	400.000	7.07349	15.00000	Averaged
(3)	1225247	1138130	400.000	7.11013	15.00000	Averaged
(4)	1086616	968886	400.000	10.83459	15.00000	Averaged
(5)	2306506	2178478	400.000	5.55071	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Y0401103.D
Report Date: 28-Apr-2010 09:02

7E
HP6890 GC-14
~~MR-2~~
MR-1
4/28/10

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Y0401103.D
Analysis Type:
Lab Sample ID: MH1660
Method: \\PITSVR06\D\chem\gc14.i\04260.b\PCBA.m

Injection Date: 28-APR-2010 03:37
Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Init. Cal. Times: 14:59 22:44
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016(1)	563886	471894	400.000	16.31389	15.00000	Averaged	<-
(2)	668503	575321	400.000	13.93887	15.00000	Averaged	
(3)	396743	358481	400.000	9.64406	15.00000	Averaged	
(4)	581069	480770	400.000	17.26107	15.00000	Averaged	<-
(5)	451544	372389	400.000	17.52980	15.00000	Averaged	<-
$ 2 Tetrachloro-m-xylene	19845918	16292620	400.000	17.90443	15.00000	Averaged	<-
$ 11 Decachlorobiphenyl	9030903	7515360	400.000	16.78175	15.00000	Averaged	<-
8 Aroclor-1260(1)	1757322	1385937	400.000	21.13359	15.00000	Averaged	<-
(2)	1398929	1145463	400.000	18.11858	15.00000	Averaged	<-
(3)	1225247	974019	400.000	20.50425	15.00000	Averaged	<-
(4)	1086616	873659	400.000	19.59821	15.00000	Averaged	<-
(5)	2306506	1909718	400.000	17.20297	15.00000	Averaged	<-

13.0
4/28/10

19.3
4/28/10

20.000
4/28/10

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: SDGA05064

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/26/10 04/26/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		M1242	04/26/10	1459		
02		M1242	04/26/10	1520		
03		M1242	04/26/10	1540		
04		M1242	04/26/10	1600		
05		M1242	04/26/10	1621		
06		M2154	04/26/10	1641		
07		M1232	04/26/10	1702		
08		M1248	04/26/10	1722		
09		M1262	04/26/10	1743		
10		M1268	04/26/10	1803		
11		XL1660	04/26/10	1824		
12		L1660	04/26/10	1844		
13		ML1660	04/26/10	2122		
14		M1660	04/26/10	2142		
15		MH1660	04/26/10	2203		
16		H1660	04/26/10	2223		
17		XH1660	04/26/10	2244		
18		2M2154	04/26/10	2304		
19		2M1232	04/26/10	2324		
20		2M1242	04/26/10	2345		
21		2M1248	04/27/10	0005		
22		2M1262	04/27/10	0026		
23		2M1268	04/27/10	0046		
24		2M1660	04/27/10	0107		
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

GC Column: MR-1 ID: 0.53 (mm) Init. Calib. Date(s): 04/26/10 04/26/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 13.05 TCX: 6.00

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01		M1660	04/27/10	1534	13.05	6.00
02	FFA-VS-001-F	L0HCH1AA	04/27/10	1644	13.06	6.00
03	FFA-VS-001-F	L0HCH1AE	04/27/10	1705	13.05	6.00
04	FFA-VS-001-F	L0HCH1AF	04/27/10	1725	13.05	6.00
05	FFA-VS-002-F	L0HCL1AA	04/27/10	1746	13.05	6.00
06	FFA-VS-003-W	L0HCN1AA	04/27/10	1806	13.05	6.00
07	FFA-VS-004-W	L0HCP1AA	04/27/10	1827	13.05	6.00
08	FFA-VS-005-W	L0HCQ1AA	04/27/10	1847	13.05	6.00
09	PBLK6033	L0HVM1AA	04/27/10	1928	13.05	6.00
10	LCS6033	L0HVM1AC	04/27/10	1948	13.05	6.00
11		MH1660	04/27/10	2009	13.06	6.00
12	FFA-VS-006-W	L0HCR1AA	04/27/10	2029	13.05	6.00
13	FFA-VS-007-W	L0HCV1AA	04/27/10	2050	13.05	6.00
14	FFA-VS-008-W	L0HCW1AA	04/27/10	2110	13.05	6.00
15	FFA-VS-009-W	L0HCX1AA	04/27/10	2130	13.05	6.00
16	FFA-VS-010-W	L0HC01AA	04/27/10	2151	13.05	6.00
17	FFA-VS-011-D	L0HC11AA	04/27/10	2211	13.05	6.00
18	FFA-VS-012-W	L0HC21AA	04/27/10	2232	13.05	6.00
19		M1660	04/27/10	2353	13.05	6.00
20	FFA-VS-013-W	L0HC31AA	04/28/10	0014	13.05	6.00
21	FFA-VS-014-W	L0HC41AA	04/28/10	0034	13.05	6.00
22	FFA-VS-015-W	L0HC51AA	04/28/10	0055	13.05	6.00
23	FFA-VS-016-W	L0HC71AA	04/28/10	0115	13.05	6.00
24	FFA-VS-017-W	L0HC81AA	04/28/10	0135	13.05	6.00
25	FFA-VS-018-W	L0HC91AA	04/28/10	0156	13.05	6.00
26	FFA-VS-019-W	L0HDA1AA	04/28/10	0216	13.05	6.00
27		MH1660	04/28/10	0337	13.05	6.01
28						
29						
30						
31						
32						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.03 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.03 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Report Date : 28-Apr-2010 07:01

6E
HP6890 GC-14
MR-2

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 15:20
End Cal Date : 26-APR-2010 23:04
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m
Last Edit : 28-Apr-2010 07:00 gc14.i
Curve Type : Average

Calibration File Names:
Level 1: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401011.D
Level 2: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401012.D
Level 3: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401013.D
Level 4: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401014.D
Level 5: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401015.D
Level 6: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401016.D
Level 7: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401010.D

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
1 Aroclor-1221(1)	+++++ +++++	+++++	407268	+++++	+++++	+++++	407268	0.000	
(2)	+++++ +++++	+++++	275250	+++++	+++++	+++++	275250	0.000	<-
(3)	+++++ +++++	+++++	974212	+++++	+++++	+++++	974212	0.000	<-
3 Aroclor-1232(1)	+++++ +++++	+++++	271458	+++++	+++++	+++++	271458	0.000	
(2)	+++++ +++++	+++++	419388	+++++	+++++	+++++	419388	0.000	<-
(3)	+++++ +++++	+++++	438076	+++++	+++++	+++++	438076	0.000	<-
(4)	+++++ +++++	+++++	449586	+++++	+++++	+++++	449586	0.000	<-
(5)	+++++ +++++	+++++	190828	+++++	+++++	+++++	190828	0.000	<-

Report Date : 28-Apr-2010 07:01

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 15:20
End Cal Date : 26-APR-2010 23:04
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m
Last Edit : 28-Apr-2010 07:00 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	___ RRF	% RSD
4 Aroclor-1016(1)	1167200	1025495	903112	936475	858915	812306		
	1367600						1010158	19.448
(2)	1275800	1132440	998844	1052783	973662	948263		
	1434600						1116627	16.080
(3)	1259860	1125110	1003260	1064604	988466	920239		
	1385100						1106663	14.872
(4)	1080520	939330	834018	870156	783383	747613		
	1245800						928688	19.162
(5)	1287500	1111070	979438	978324	944612	911160		
	1506300						1102629	19.920
5 Aroclor-1242(1)	1057700	953630	859032	928324	799087	+++++		
	+++++						919555	10.669
(2)	226500	192600	163828	182052	151036	+++++		
	+++++						183203	15.854
(3)	940100	874270	854414	860328	784909	+++++		
	+++++						862804	6.414
(4)	896300	810830	750158	785604	713023	+++++		
	+++++						791183	8.770
(5)	371900	356180	332420	347312	318891	+++++		
	+++++						345341	5.958
6 Aroclor-1248(1)	+++++	+++++	1144286	+++++	+++++	+++++		
	+++++						1144286	0.000

Report Date : 28-Apr-2010 07:01

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 15:20
End Cal Date : 26-APR-2010 23:04
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m
Last Edit : 28-Apr-2010 07:00 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 / 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
(2)	+++++ / +++++	+++++	1356358	+++++	+++++	+++++	1356358	0.000	<-
(3)	+++++ / +++++	+++++	252544	+++++	+++++	+++++	252544	0.000	<-
(4)	+++++ / +++++	+++++	871432	+++++	+++++	+++++	871432	0.000	<-
(5)	+++++ / +++++	+++++	281366	+++++	+++++	+++++	281366	0.000	<-
7 Aroclor-1254(1)	+++++ / +++++	+++++	1184618	+++++	+++++	+++++	1184618	0.000	
(2)	+++++ / +++++	+++++	2092264	+++++	+++++	+++++	2092264	0.000	<-
(3)	+++++ / +++++	+++++	1068184	+++++	+++++	+++++	1068184	0.000	<-
(4)	+++++ / +++++	+++++	349054	+++++	+++++	+++++	349054	0.000	<-
(5)	+++++ / +++++	+++++	1030224	+++++	+++++	+++++	1030224	0.000	<-
8 Aroclor-1260(1)	2139600 / 2422100	1932350	1685756	1757807	1674263	1571412	1883327	16.137	
(2)	2808320 / 2839400	2382035	2227914	2254390	2215869	2048119	2396578	12.845	

Report Date : 28-Apr-2010 07:01

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 15:20
End Cal Date : 26-APR-2010 23:04
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m
Last Edit : 28-Apr-2010 07:00 gc14.i
Curve Type : Average

Compound	0.05000 Level 1 0.01000 Level 7	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	___ RRF	% RSD	
(3)	2349920 2634700	2050295	1889698	1940121	1858120	1746236	2067013	15.256	
(4)	2303180 2599400	2064730	1819586	1872643	1771208	1707836	2019798	16.159	
(5)	1222940 1355700	1049640	930204	953283	931036	902783	1049369	16.638	
9 Aroclor-1262(1)	+++++ +++++	+++++	2559712	+++++	+++++	+++++	2559712	0.000	
(2)	+++++ +++++	+++++	2294422	+++++	+++++	+++++	2294422	0.000	<-
(3)	+++++ +++++	+++++	4917334	+++++	+++++	+++++	4917334	0.000	<-
(4)	+++++ +++++	+++++	2067798	+++++	+++++	+++++	2067798	0.000	<-
(5)	+++++ +++++	+++++	3242820	+++++	+++++	+++++	3242820	0.000	<-
10 Aroclor-1268(1)	+++++ +++++	+++++	5871608	+++++	+++++	+++++	5871608	0.000	
(2)	+++++ +++++	+++++	5320512	+++++	+++++	+++++	5320512	0.000	<-
(3)	+++++ +++++	+++++	4246506	+++++	+++++	+++++	4246506	0.000	<-

Report Date : 28-Apr-2010 07:01

TestAmerica Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 26-APR-2010 15:20
End Cal Date : 26-APR-2010 23:04
Quant Method : ESTD
Origin : Disabled
Target Version : 4.14
Integrator : Falcon
Method file : \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m
Last Edit : 28-Apr-2010 07:00 gc14.i
Curve Type : Average

Compound	0.05000 Level 1	0.20000 Level 2	0.50000 Level 3	1.000 Level 4	2.000 Level 5	4.000 Level 6	RRF	% RSD	
	0.01000 Level 7								
(4)	+++++	+++++	1646804	+++++	+++++	+++++			
	+++++						1646804	0.000	<-
$ 2 Tetrachloro-m-xylene	36921600	34234900	31056720	31440380	30180200	29396045			
	39866000						33299406	11.667	
$ 11 Decachlorobiphenyl	26982000	23361100	20979680	22408740	21314330	21011560			
	28432000						23498487	12.882	

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401023.D
Report Date: 28-Apr-2010 07:00

7E
HP6890 GC-14
MR-2

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Z0401023.D
Analysis Type:
Lab Sample ID: 2M1660
Method: \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m

Injection Date: 27-APR-2010 01:27
Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Init. Cal. Times: 15:20 23:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
4 Aroclor-1016(1)	1010158	930520	0.010	7.88368	15.00000	Averaged	
(2)	1116627	1027794	0.010	7.95550	15.00000	Averaged	
(3)	1106663	1027602	0.010	7.14405	15.00000	Averaged	
(4)	928688	846346	0.010	8.86653	15.00000	Averaged	
(5)	1102629	990502	0.010	10.16907	15.00000	Averaged	
$ 2 Tetrachloro-m-xylene	33299406	++++	0.000	++++	15.00000	Averaged	<- NA
$ 11 Decachlorobiphenyl	23498487	542880	0.010	97.68972	15.00000	Averaged	<- NA
8 Aroclor-1260(1)	1883327	1760336	0.010	6.53051	15.00000	Averaged	
(2)	2396578	2297074	0.010	4.15192	15.00000	Averaged	
(3)	2067013	1954644	0.010	5.43629	15.00000	Averaged	
(4)	2019798	1661210	0.010	17.75364	15.00000	Averaged	<- OK
(5)	1049369	906268	0.010	13.63690	15.00000	Averaged	

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401070.D
Report Date: 28-Apr-2010 10:25

7E
HP6890 GC-14
MR-2

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Z0401070.D
Analysis Type:
Lab Sample ID: M1660
Method: \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m

Injection Date: 27-APR-2010 16:06
Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Init. Cal. Times: 15:20 23:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	1010158	994796	0.010	1.52071	15.00000	Averaged
(2)	1116627	1129230	0.010	-1.12864	15.00000	Averaged
(3)	1106663	1099092	0.010	0.68409	15.00000	Averaged
(4)	928688	920410	0.010	0.89141	15.00000	Averaged
(5)	1102629	1071316	0.010	2.83986	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33299406	34518640	0.000	-3.66143	15.00000	Averaged
$ 11 Decachlorobiphenyl	23498487	20509480	0.010	12.72000	15.00000	Averaged
8 Aroclor-1260(1)	1883327	1810146	0.010	3.88572	15.00000	Averaged
(2)	2396578	2360964	0.010	1.48604	15.00000	Averaged
(3)	2067013	1925716	0.010	6.83579	15.00000	Averaged
(4)	2019798	1846538	0.010	8.57806	15.00000	Averaged
(5)	1049369	932450	0.010	11.14188	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401081.D
Report Date: 28-Apr-2010 10:25

7E

TestAmerica Pittsburgh

HP6890 GC-14

CONTINUING CALIBRATION COMPOUNDS

MR-2

Instrument ID: gc14.i
Lab File ID: Z0401081.D
Analysis Type:
Lab Sample ID: MH1660
Method: \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m

Injection Date: 27-APR-2010 20:09
Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Init. Cal. Times: 15:20 23:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	1010158	917648	0.010	9.15793	15.00000	Averaged
(2)	1116627	1041581	0.010	6.72080	15.00000	Averaged
(3)	1106663	1036266	0.010	6.36116	15.00000	Averaged
(4)	928688	830356	0.010	10.58831	15.00000	Averaged
(5)	1102629	963853	0.010	12.58593	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33299406	32368900	0.000	2.79436	15.00000	Averaged
$ 11 Decachlorobiphenyl	23498487	20641420	0.010	12.15852	15.00000	Averaged
8 Aroclor-1260(1)	1883327	1686079	0.010	10.47337	15.00000	Averaged
(2)	2396578	2164226	0.010	9.69516	15.00000	Averaged
(3)	2067013	1922125	0.010	7.00952	15.00000	Averaged
(4)	2019798	1813800	0.010	10.19892	15.00000	Averaged
(5)	1049369	915261	0.010	12.77991	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401092.D
Report Date: 28-Apr-2010 10:25

7E
HP6890 Gc-14
MR-2

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i Injection Date: 27-APR-2010 23:53
Lab File ID: Z0401092.D Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Analysis Type: Init. Cal. Times: 15:20 23:04
Lab Sample ID: M1660 Quant Type: ESTD
Method: \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m

COMPOUND	RRF / AMOUNT	RF0.500	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	1010158	912482	0.010	9.66934	15.00000	Averaged
(2)	1116627	1052240	0.010	5.76623	15.00000	Averaged
(3)	1106663	1006948	0.010	9.01039	15.00000	Averaged
(4)	928688	825324	0.010	11.13015	15.00000	Averaged
(5)	1102629	967246	0.010	12.27821	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33299406	31933360	0.000	4.10231	15.00000	Averaged
$ 11 Decachlorobiphenyl	23498487	20336840	0.010	13.45468	15.00000	Averaged
8 Aroclor-1260(1)	1883327	1668350	0.010	11.41474	15.00000	Averaged
(2)	2396578	2181276	0.010	8.98373	15.00000	Averaged
(3)	2067013	1820184	0.010	11.94133	15.00000	Averaged
(4)	2019798	1758792	0.010	12.92236	15.00000	Averaged
(5)	1049369	913624	0.010	12.93591	15.00000	Averaged

Data File: \\PITSVR06\D\chem\gc14.i\04260.b\Z0401103.D
Report Date: 28-Apr-2010 11:14

7E
HP6890 GC-14
MR-2

TestAmerica Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc14.i
Lab File ID: Z0401103.D
Analysis Type:
Lab Sample ID: MH1660
Method: \\PITSVR06\D\chem\gc14.i\04260.b\yPCBB.m

Injection Date: 28-APR-2010 03:37
Init. Cal. Date(s): 26-APR-2010 26-APR-2010
Init. Cal. Times: 15:20 23:04
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF1	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
4 Aroclor-1016(1)	1010158	914110	0.010	9.50818	15.00000	Averaged
(2)	1116627	1073735	0.010	3.84124	15.00000	Averaged
(3)	1106663	1039642	0.010	6.05610	15.00000	Averaged
(4)	928688	844871	0.010	9.02536	15.00000	Averaged
(5)	1102629	993357	0.010	9.91014	15.00000	Averaged
$ 2 Tetrachloro-m-xylene	33299406	32384120	0.000	2.74866	15.00000	Averaged
$ 11 Decachlorobiphenyl	23498487	21264040	0.010	9.50890	15.00000	Averaged
8 Aroclor-1260(1)	1883327	1705914	0.010	9.42018	15.00000	Averaged
(2)	2396578	2258064	0.010	5.77966	15.00000	Averaged
(3)	2067013	1875826	0.010	9.24942	15.00000	Averaged
(4)	2019798	1837625	0.010	9.01935	15.00000	Averaged
(5)	1049369	912714	0.010	13.02263	15.00000	Averaged

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: SDGA05064

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 04/26/10 04/26/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01		M1242	04/26/10	1520		
02		M1242	04/26/10	1540		
03		M1242	04/26/10	1600		
04		M1242	04/26/10	1621		
05		M1242	04/26/10	1641		
06		M2154	04/26/10	1702		
07		M1232	04/26/10	1722		
08		M1248	04/26/10	1743		
09		M1262	04/26/10	1803		
10		M1268	04/26/10	1824		
11		XL1660	04/26/10	1844		
12		L1660	04/26/10	2122		
13		ML1660	04/26/10	2142		
14		M1660	04/26/10	2203		
15		MH1660	04/26/10	2223		
16		H1660	04/26/10	2244		
17		XH1660	04/26/10	2304		
18		2M2154	04/26/10	2324		
19		2M1232	04/26/10	2345		
20		2M1242	04/27/10	0005		
21		2M1248	04/27/10	0026		
22		2M1262	04/27/10	0046		
23		2M1268	04/27/10	0107		
24		2M1660	04/27/10	0127		
25						
26						
27						
28						
29						
30						
31						
32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA PITTSBURGH Contract:

Lab Code: TA Case No.: SAS No.: 40325 SDG No.: C0D240482

GC Column: MR-2 ID: 0.53 (mm) Init. Calib. Date(s): 04/26/10 04/26/10

Instrument ID: GC14

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
DCB: 13.25 TCX: 6.06

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DCB RT #	TCX RT #
01		M1660	04/27/10	1606	13.24	6.04
02	FFA-VS-001-F	L0HCH1AA	04/27/10	1644	13.24	6.04
03	FFA-VS-001-F	L0HCH1AE	04/27/10	1705	13.24	6.05
04	FFA-VS-001-F	L0HCH1AF	04/27/10	1725	13.24	6.05
05	FFA-VS-002-F	L0HCL1AA	04/27/10	1746	13.24	6.05
06	FFA-VS-003-W	L0HCN1AA	04/27/10	1806	13.24	6.05
07	FFA-VS-004-W	L0HCP1AA	04/27/10	1827	13.24	6.04
08	FFA-VS-005-W	L0HCQ1AA	04/27/10	1847	13.23	6.04
09	PBLK6033	L0HVM1AA	04/27/10	1928	13.24	6.05
10	LCS6033	L0HVM1AC	04/27/10	1948	13.24	6.05
11		MH1660	04/27/10	2009	13.24	6.04
12	FFA-VS-006-W	L0HCR1AA	04/27/10	2029	13.24	6.05
13	FFA-VS-007-W	L0HCV1AA	04/27/10	2050	13.23	6.04
14	FFA-VS-008-W	L0HCW1AA	04/27/10	2110	13.23	6.04
15	FFA-VS-009-W	L0HCX1AA	04/27/10	2130	13.23	6.04
16	FFA-VS-010-W	L0HC01AA	04/27/10	2151	13.24	6.04
17	FFA-VS-011-D	L0HC11AA	04/27/10	2211	13.23	6.04
18	FFA-VS-012-W	L0HC21AA	04/27/10	2232	13.23	6.04
19		M1660	04/27/10	2353	13.23	6.04
20	FFA-VS-013-W	L0HC31AA	04/28/10	0014	13.23	6.04
21	FFA-VS-014-W	L0HC41AA	04/28/10	0034	13.23	6.04
22	FFA-VS-015-W	L0HC51AA	04/28/10	0055	13.23	6.04
23	FFA-VS-016-W	L0HC71AA	04/28/10	0115	13.23	6.04
24	FFA-VS-017-W	L0HC81AA	04/28/10	0135	13.23	6.04
25	FFA-VS-018-W	L0HC91AA	04/28/10	0156	13.23	6.04
26	FFA-VS-019-W	L0HDA1AA	04/28/10	0216	13.23	6.04
27		MH1660	04/28/10	0337	13.23	6.04
28						
29						
30						
31						
32						

QC LIMITS
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

PCB
MISCELLANEOUS

4/28 D.O.D. 4.1

B# 0116033

Soxtherm Extraction Worksheet

TestAmerica Pittsburgh Baker
Logbook ID: OP3440 OP0061-10

Start Date/Time	Date Completed	Parameter	Method	Solvent	Solvent Lot	Solvent Mfg	GPC Number
4-25-10 23:55	4-26-10	PCB (8082A)	Soxtherm	Hexane/Acetone	OP0081-10	Baker	N/A

	Lot Number	Sample ID	Sample Weight (g)	Final Volume (mL)	Surrogate #	Surr Vol (mL)	Matrix Spike Lot #	MS Vol (mL)	GPC Date
1.	COD240482	BLK	15.0,	20.0	GC1212-09	0.5	N/A	N/A	N/A
2.		LCS	15.0,				GC1204-09	0.5	
3.		MS_001	15.0,						
4.		MSD_001	15.0,				GC1204-09	0.5	
5.		001	15.0,				N/A	N/A	
6.		002	15.0,						
7.		003	15.0,						
8.		004	15.2,						
9.		005	15.0,						
10.		006	15.0,						
11.		007	15.2,						
12.		008	15.1,						
13.		009	15.0,						
14.		010	15.0,						
15.		011	15.0,						
16.		012	15.0,						
17.		013	15.0,						
18.		014	15.2,						
19.		015	15.0,						
20.		016	15.0,						
21.		017	15.0,						
22.		018	15.0,						
23.	KG 4-25-10	019	15.0,	20.0	GC1212-09	0.5			
24.									
Analyst:	KG	KG	KG	KG	KG	KG	KG	KG	KG

Extract(s) (record line # from above)	Date	Time	Extract(s) Received	Analyst	Location	Date	Time	Extract(s) Relinquished	Analyst	Location
All Above	4-26-10	05:15			On Prep.	4-26-10	05:25			REF04-GC
All Above	4-26-10	0900			REF4GC	4-26-10	0900			REF4GC

Start Temp: End Temp: (+/- 5%)

Sodium Sulfate Mfg/Lot Number: Baker/OP0058-10 Comments:

Magnesium Sulfate Mfg/Lot Number: Baker/OP0054-10 N2 Blow Down Temp: 32.0 Reviewed by: Date: 4-26-10 Balance ID: 1120122641

Cleanups TBA: GC0429-10 DE 4-26-10 H2SO4: H3FO3 DE 4-26-10 Carboprep: N/A

printed on: 04-Mar-10 6:39:40 AM v2 06/16/2005 Page 59 of 100

(1 - 102)

Page 98 of 113

90

COD240482

Sequence: C:\HPCHEM\1\SEQUENCE\Y04260.S

Sequence Table (Front Injector):

Vial Information Part:

Y04260.PDF
AG 04-26-2010
HP6890 GC-14
MR-1

	Line	Vial	Vial Information
	1	1	RINSE
Y0401000	2	2	GC1099-09 0.01 UG/ML
	3	3	GC1099-090 0.1 UG/ML
	4	4	GC1099-09 0.25 UG/ML
	5	5	GC1099-09 0.50 UG/ML
	6	6	GC1099-09 1.0 UG/ML
1005	7	7	GC1097-09
	8	8	GC1098-09
	9	9	GC1100-09
	10	10	GC1101-09
	11	11	GC1102-09
1010	12	12	GC0308-10
	13	13	GC0309-10
	14	14	GC0310-10
	15	15	GC0311-10
	16	16	GC0312-10
1015	17	17	GC0313-10
	18	18	GC0314-10
	19	19	GC0369-10
	20	20	GC0370-10
	21	21	GC0371-10
1020	22	22	GC0372-10
	23	23	GC0373-10
	24	24	GC0374-10
1023	25	25	GC0375-10
	26	26	C0D240482-001
	27	27	C0D240482-001 MS
	28	28	C0D240482-001 MSD
	29	29	C0D240482-002
	30	30	C0D240482-003

✓
pw
4-28-10

PRIMARY
COLUMN

	31	31	C0D240482-004	
1030	32	32	C0D240482-005	
	33	33	C0D240482-006	
	34	34	C0D240482-BLK	
	35	35	C0D240482-LCS	
	36	36	GC0312-10	
	37	37	C0D240482-007	
	38	38	C0D240482-008	
	39	39	C0D240482-009	
	40	40	C0D240482-010	
	41	41	C0D240482-011	
	42	42	C0D240482-012	
	43	43	C0D240482-013	
	44	44	C0D240482-014	
	45	45	C0D240482-BLK	
	46	46	C0D240482-LCS	
1045 1046	47	47	GC0311-10	
	48	48	C0D240482-015	
	49	49	C0D240482-016	
	50	50	C0D240482-017	
	51	51	C0D240482-018	
	52	52	C0D240482-019	
1053	53	53	C0D200483-001	
	54	54	C0D200483-001	MS
	55	55	C0D200483-001	MSD
	56	56	C0D200483-BLK	
	57	57	C0D200483-LCS	
1058	58	58	GC0312-10	
	59	1	RINSE	

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB1	2	Sample		
2	2	M1242,04260.B	PCB1	1	Sample		
3	3	M1242,04260.B	PCB1	1	Sample		
4	4	M1242,04260.B	PCB1	1	Sample		
5	5	M1242,04260.B	PCB1	1	Sample		

Sequence: C:\HPCHEM\1\SEQUENCE\Y04260.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
6	6	M1242,04260.B	PCB1	1	Sample		
7	7	M2154,04260.B	PCB1	1	Sample		
8	8	M1232,04260.B	PCB1	1	Sample		
9	9	M1248,04260.B	PCB1	1	Sample		
10	10	M1262,04260.B	PCB1	1	Sample		
11	11	M1268,04260.B	PCB1	1	Sample		
12	12	XL1660,04260.B	PCB1	1	Sample		
13	13	L1660,04260.B	PCB1	1	Sample		
14	14	ML1660,04260.B	PCB1	1	Sample		
15	15	M1660,04260.B	PCB1	1	Sample		
16	16	MH1660,04260.B	PCB1	1	Sample		
17	17	H1660,04260.B	PCB1	1	Sample		
18	18	XH1660,04260.B	PCB1	1	Sample		
19	19	2M2154,04260.B	PCB1	1	Sample		
20	20	2M1232,04260.B	PCB1	1	Sample		
21	21	2M1242,04260.B	PCB1	1	Sample		
22	22	2M1248,04260.B	PCB1	1	Sample		
23	23	2M1262,04260.B	PCB1	1	Sample		
24	24	2M1268,04260.B	PCB1	1	Sample		
25	25	2M1660,04260.B	PCB1	1	Sample		
26	26	L0HCH1AA,04260.B	PCB1	1	Sample		
27	27	L0HCH1AE,04260.B	PCB1	1	Sample		
28	28	L0HCH1AF,04260.B	PCB1	1	Sample		
29	29	L0HCL1AA,04260.B	PCB1	1	Sample		
30	30	L0HCN1AA,04260.B	PCB1	1	Sample		
31	31	L0HCP1AA,04260.B	PCB1	1	Sample		
32	32	L0HCQ1AA,04260.B	PCB1	1	Sample		
33	33	L0HCR1AA,04260.B	PCB1	1	Sample		
34	34	L0HVM1AA,04260.B	PCB1	1	Sample		
35	35	L0HVM1AC,04260.B	PCB1	1	Sample		
36	36	MH1660,04260.B	PCB1	2	Sample		
37	37	L0HCV1AA,04260.B	PCB1	1	Sample		
38	38	L0HCW1AA,04260.B	PCB1	1	Sample		
39	39	L0HCX1AA,04260.B	PCB1	1	Sample		
40	40	L0HC01AA,04260.B	PCB1	1	Sample		
41	41	L0HC11AA,04260.B	PCB1	1	Sample		
42	42	L0HC21AA,04260.B	PCB1	1	Sample		
43	43	L0HC31AA,04260.B	PCB1	1	Sample		
44	44	L0HC41AA,04260.B	PCB1	1	Sample		
45	45	L0HVM1AA,04260.B	PCB1	1	Sample		
46	46	L0HVM1AC,04260.B	PCB1	1	Sample		
47	47	M1660,04260.B	PCB1	2	Sample		
48	48	L0HC51AA,04260.B	PCB1	1	Sample		
49	49	L0HC71AA,04260.B	PCB1	1	Sample		
50	50	L0HC81AA,04260.B	PCB1	1	Sample		
51	51	L0HC91AA,04260.B	PCB1	1	Sample		
52	52	L0HDA1AA,04260.B	PCB1	1	Sample		
53	53	LX8CR1A6,04260.B	PCB1	1	Sample		
54	54	LX8CR1CC,04260.B	PCB1	1	Sample		
55	55	LX8CR1CD,04260.B	PCB1	1	Sample		
56	56	L0D9V1AA,04260.B	PCB1	1	Sample		
57	57	L0D9V1AC,04260.B	PCB1	1	Sample		
58	58	MH1660,04260.B	PCB1	2	Sample		
59	1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Table (Front Injector):

Vial Information Part:

Y04260.PDF
AG 04-27-2010
HP6890 GC-14
MR-1

PRIMARY COLUMN

	Line	Vial	Vial Information
	1	1	RINSE
Y0401070	2	2	GC0311-10
	3	3	C0D240482-001 10x
	4	4	C0D240482-001 MS 10x
	5	5	C0D240482-001 MSD 10x
	6	6	C0D240482-002 10x
	7	7	C0D240482-003 100x
	8	8	C0D240482-004 100x
	9	9	C0D240482-005 100x
	10	10	RINSE
	11	11	C0D240482-BLK
	12	12	C0D240482-LCS
1081	13	13	GC0312-10
	14	14	C0D240482-006 100x
	15	15	C0D240482-007 10x
	16	16	C0D240482-008 20x
	17	17	C0D240482-009 10x
	18	18	C0D240482-010 10x
	19	19	C0D240482-011 10x
1088	20	20	C0D240482-012 10x
	21	21	RINSE
	22	22	~~C0D240482-BLK~~
	23	23	~~C0D240482-LCS~~
1092	24	24	GC0311-10
	25	25	C0D240482-013 5x
	26	26	C0D240482-014 10x
	27	27	C0D240482-015 10x
	28	28	C0D240482-016
	29	29	C0D240482-017
1098	30	30	C0D240482-018 500x

Sequence: C:\HPCHEM\1\SEQUENCE\Y04270.S

1099	31	31	C0D240482-019	500x
	32	32	RINSE	
	33	33	~~C0D240482-~~BLK	
	34	34	C0~~D240482-LCS~~	
1103	35	35	GC0312-10	
1104	36	36	C0D230604-014	
	37	37	C0D230604-014	MS
	38	38	C0D230604-014	MSD
	39	39	C0D070482-002	
	40	40	RINSE	
	41	41	C0D230604-BLK	
	42	42	C0D230604-LCS	
1114	43	43	GC0311-10	
1115	44	1	RINSE	

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	1	HEXANE	PCB1	2	Sample		
2	2	M1660,04260.B	PCB1	1	Sample		
3	3	L0HCH1AA,04260.B	PCB1	1	Sample		
4	4	L0HCH1AE,04260.B	PCB1	1	Sample		
5	5	L0HCH1AF,04260.B	PCB1	1	Sample		
6	6	L0HCL1AA,04260.B	PCB1	1	Sample		
7	7	L0HCN1AA,04260.B	PCB1	1	Sample		
8	8	L0HCP1AA,04260.B	PCB1	1	Sample		
9	9	L0HCQ1AA,04260.B	PCB1	1	Sample		
10	10	HEXANE	PCB1	1	Sample		
11	11	L0HVM1AA,04260.B	PCB1	1	Sample		
12	12	L0HVM1AC,04260.B	PCB1	1	Sample		
13	13	MH1660,04260.B	PCB1	1	Sample		
14	14	L0HCR1AA,04260.B	PCB1	1	Sample		
15	15	L0HCV1AA,04260.B	PCB1	1	Sample		
16	16	L0HCW1AA,04260.B	PCB1	1	Sample		
17	17	L0HCX1AA,04260.B	PCB1	1	Sample		
18	18	L0HC01AA,04260.B	PCB1	1	Sample		
19	19	L0HC11AA,04260.B	PCB1	1	Sample		
20	20	L0HC21AA,04260.B	PCB1	1	Sample		
21	21	HEXANE	PCB1	1	Sample		
22	22	L0HVM1AA,04260.B	PCB1	1	Sample		
23	23	L0HVM1AC,04260.B	PCB1	1	Sample		
24	24	M1660,04260.B	PCB1	1	Sample		
25	25	L0HC31AA,04260.B	PCB1	1	Sample		
26	26	L0HC41AA,04260.B	PCB1	1	Sample		
27	27	L0HC51AA,04260.B	PCB1	1	Sample		
28	28	L0HC71AA,04260.B	PCB1	1	Sample		
29	29	L0HC81AA,04260.B	PCB1	1	Sample		
30	30	L0HC91AA,04260.B	PCB1	1	Sample		
31	31	L0HDA1AA,04260.B	PCB1	1	Sample		
32	32	HEXANE	PCB1	1	Sample		
33	33	L0HVM1AA,04260.B	PCB1	1	Sample		
34	34	L0HVM1AC,04260.B	PCB1	1	Sample		
35	35	MH1660,04260.B	PCB1	2	Sample		

Sequence: C:\HPCHEM\1\SEQUENCE\Y04270.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
36	36	L0GEE1AC,04260.B	PCB1	1	Sample		
37	37	L0GEE1AE,04260.B	PCB1	1	Sample		
38	38	L0GEE1AF,04260.B	PCB1	1	Sample		
39	39	LXL4H2AP,04260.B	PCB1	1	Sample		
40	40	HEXANE	PCB1	3	Sample		
41	41	L0J3D1AA,04260.B	PCB1	1	Sample		
42	42	L0J3D1AC,04260.B	PCB1	1	Sample		
43	43	M1660,04260.B	PCB1	2	Sample		
44	1	HEXANE	PCB1	10	Sample		

Sequence Table (Back Injector):

No entries - empty table!

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Vial Information Part:

Z04260.PDF

AC 04-26-2010

HP6890 CC-14

MR-2

	Line	Vial	Vial Information
	1	100	RINSE
Z04001000	2	2	GC1099-09 0.01 UG/ML
	3	3	GC1099-090 0.1 UG/ML
	4	4	GC1099-09 0.25 UG/ML
	5	5	GC1099-09 0.50 UG/ML
	6	6	GC1099-09 1.0 UG/ML
1005	7	7	GC1097-09
	8	8	GC1098-09
	9	9	GC1100-09
	10	10	GC1101-09
	11	11	GC1102-09
1010	12	12	GC0308-10
	13	13	GC0309-10
	14	14	GC0310-10
	15	15	GC0311-10
	16	16	GC0312-10
1015	17	17	GC0313-10
	18	18	GC0314-10
	19	19	GC0369-10
	20	20	GC0370-10
	21	21	GC0371-10
	22	22	GC0372-10
1020	23	23	GC0373-10
	24	24	GC0374-10
1023	25	25	GC0375-10
	26	26	COD240482-001 Re-Run
	27	27	COD240482-001 MS

✓ 4-28-10

Sequence: C:\HPCHEM\1\SEQUENCE\Y04260.S

Line	Vial	Vial Information	
28	28	COD240482-001	MSD
29	29	COD240482-002	
30	30	COD240482-003	
31	31	COD240482-004	
32	32	COD240482-005	
33	33	COD240482-006	
34	34	COD240482-BLK	
35	35	COD240482-LCS	
36	36	GC0312-10	
37	37	COD240482-007	
38	38	COD240482-008	
39	39	COD240482-009	
40	40	COD240482-010	
41	41	COD240482-011	
42	42	COD240482-012	
43	43	COD240482-013	
44	44	COD240482-014	
45	45	COD240482-BLK	
46	46	COD240482-LCS	
47	47	GC0311-10	
48	48	~~COD240482-015~~	
49	49	~~COD240482-016~~	
50	50	~~COD240482-017~~	
51	51	~~COD240482-018~~	
52	52	~~COD240482-019~~	
53	53	COD200483-001	
54	54	COD200483-001	MS
55	55	COD200483-001	MSD
56	56	COD200483-BLK	
57	57	COD200483-LCS	
58	58	GC0312-10	
59	100	RINSE	

Re Run

OK. AG 4/27/10

Method and Injection Info Part:

nstrument 1 4/28/10 6:32:17 AM 402360

Sequence: C:\HPCHEM\1\SEQUENCE\Y04260.S

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	100	HEXANE	PCB1	3	Sample		
2	2	M1242,04260.B	PCB1	1	Sample		
3	3	M1242,04260.B	PCB1	1	Sample		
4	4	M1242,04260.B	PCB1	1	Sample		
5	5	M1242,04260.B	PCB1	1	Sample		
6	6	M1242,04260.B	PCB1	1	Sample		
7	7	M2154,04260.B	PCB1	1	Sample		
8	8	M1232,04260.B	PCB1	1	Sample		
9	9	M1248,04260.B	PCB1	1	Sample		
10	10	M1262,04260.B	PCB1	1	Sample		
11	11	M1268,04260.B	PCB1	1	Sample		
12	12	XL1660,04260.B	PCB1	1	Sample		
13	13	L1660,04260.B	PCB1	1	Sample		
14	14	ML1660,04260.B	PCB1	1	Sample		
15	15	M1660,04260.B	PCB1	1	Sample		
16	16	MH1660,04260.B	PCB1	1	Sample		
17	17	H1660,04260.B	PCB1	1	Sample		
18	18	XH1660,04260.B	PCB1	1	Sample		
19	19	2M2154,04260.B	PCB1	1	Sample		
20	20	2M1232,04260.B	PCB1	1	Sample		
21	21	2M1242,04260.B	PCB1	1	Sample		
22	22	2M1248,04260.B	PCB1	1	Sample		
23	23	2M1262,04260.B	PCB1	1	Sample		
24	24	2M1268,04260.B	PCB1	1	Sample		
25	25	2M1660,04260.B	PCB1	1	Sample		
26	26	L0HCH1AA,04260.B	PCB1	1	Sample		
27	27	L0HCH1AE,04260.B	PCB1	1	Sample		
28	28	L0HCH1AF,04260.B	PCB1	1	Sample		
29	29	L0HCL1AA,04260.B	PCB1	1	Sample		
30	30	L0HCN1AA,04260.B	PCB1	1	Sample		
31	31	L0HCP1AA,04260.B	PCB1	1	Sample		
32	32	L0HCQ1AA,04260.B	PCB1	1	Sample		
33	33	L0HCR1AA,04260.B	PCB1	1	Sample		
34	34	L0HVM1AA,04260.B	PCB1	1	Sample		
35	35	L0HVM1AC,04260.B	PCB1	1	Sample		
36	36	MH1660,04260.B	PCB1	2	Sample		
37	37	L0HCV1AA,04260.B	PCB1	1	Sample		
38	38	L0HCW1AA,04260.B	PCB1	1	Sample		
39	39	L0HCX1AA,04260.B	PCB1	1	Sample		
40	40	L0HC01AA,04260.B	PCB1	1	Sample		
41	41	L0HC11AA,04260.B	PCB1	1	Sample		
42	42	L0HC21AA,04260.B	PCB1	1	Sample		
43	43	L0HC31AA,04260.B	PCB1	1	Sample		
44	44	L0HC41AA,04260.B	PCB1	1	Sample		
45	45	L0HVM1AA,04260.B	PCB1	1	Sample		
46	46	L0HVM1AC,04260.B	PCB1	1	Sample		
47	47	M1660,04260.B	PCB1	2	Sample		
48	48	L0HC51AA,04260.B	PCB1	1	Sample		
49	49	L0HC71AA,04260.B	PCB1	1	Sample		
50	50	L0HC81AA,04260.B	PCB1	1	Sample		
51	51	L0HC91AA,04260.B	PCB1	1	Sample		
52	52	L0HDA1AA,04260.B	PCB1	1	Sample		
53	53	LX8CR1A6,04260.B	PCB1	1	Sample		
54	54	LX8CR1CC,04260.B	PCB1	1	Sample		
55	55	LX8CR1CD,04260.B	PCB1	1	Sample		
56	56	L0D9V1AA,04260.B	PCB1	1	Sample		
57	57	L0D9V1AC,04260.B	PCB1	1	Sample		
58	58	MH1660,04260.B	PCB1	2	Sample		
59	100	HEXANE	PCB1	3	Sample		

Sequence Table (Front Injector):

No entries - empty table!

Sequence Table (Back Injector):

Vial Information Part:

Z04260.PDF
AG 04-27-2010
HP6890 GC-14
MR-2

	Line	Vial	Vial Information
	1	100	RINSE
Z0401070	2	2	GC0311-10
	3	3	C0D240482-001 10x
	4	4	C0D240482-001 MS 10x
	5	5	C0D240482-001 MSD 10x
	6	6	C0D240482-002 10x
	7	7	C0D240482-003 100x
	8	8	C0D240482-004 100x
	9	9	C0D240482-005 100x
	10	10	RINSE
	11	11	C0D240482-BLK
	12	12	C0D240482-LCS
1081	13	13	GC0312-10
	14	14	C0D240482-006 100x
	15	15	C0D240482-007 10x
	16	16	C0D240482-008 20x
	17	17	C0D240482-009 10x
	18	18	C0D240482-010 10x
	19	19	C0D240482-011 10x
1088	20	20	C0D240482-012 10x
	21	21	RINSE
	22	22	C0D240482-BLK
	23	23	C0D240482-LCS
1092	24	24	GC0311-10
	25	25	C0D240482-013 5x
	26	26	C0D240482-014 10x
1095	27	27	C0D240482-015 10x

Sequence: C:\HPCHEM\1\SEQUENCE\Y04270.S

	Line	Vial	Vial Information	
1096	28	28	C0D240482-016	
	29	29	C0D240482-017	
	30	30	C0D240482-018	500x
1099	31	31	C0D240482-019	500x
	32	32	RINSE	
	33	33	C0D240482-BLK	
	34	34	C0D240482-LCS	
1103	35	35	GC0312-10	4/28/10
1104	36	100	RINSE	

Method and Injection Info Part:

Line	Vial	SampleName	Method	Inj	SampleType	InjVolume	DataFile
1	100	HEXANE	PCB1	2	Sample		
2	2	M1660,04260.B	PCB1	1	Sample		
3	3	L0HCH1AA,04260.B	PCB1	1	Sample		
4	4	L0HCH1AE,04260.B	PCB1	1	Sample		
5	5	L0HCH1AF,04260.B	PCB1	1	Sample		
6	6	L0HCL1AA,04260.B	PCB1	1	Sample		
7	7	L0HCN1AA,04260.B	PCB1	1	Sample		
8	8	L0HCP1AA,04260.B	PCB1	1	Sample		
9	9	L0HCQ1AA,04260.B	PCB1	1	Sample		
10	10	HEXANE	PCB1	1	Sample		
11	11	L0HVM1AA,04260.B	PCB1	1	Sample		
12	12	L0HVM1AC,04260.B	PCB1	1	Sample		
13	13	MH1660,04260.B	PCB1	1	Sample		
14	14	L0HCR1AA,04260.B	PCB1	1	Sample		
15	15	L0HCV1AA,04260.B	PCB1	1	Sample		
16	16	L0HCW1AA,04260.B	PCB1	1	Sample		
17	17	L0HCX1AA,04260.B	PCB1	1	Sample		
18	18	L0HC01AA,04260.B	PCB1	1	Sample		
19	19	L0HC11AA,04260.B	PCB1	1	Sample		
20	20	L0HC21AA,04260.B	PCB1	1	Sample		
21	21	HEXANE	PCB1	1	Sample		
22	22	L0HVM1AA,04260.B	PCB1	1	Sample		
23	23	L0HVM1AC,04260.B	PCB1	1	Sample		
24	24	M1660,04260.B	PCB1	1	Sample		
25	25	L0HC31AA,04260.B	PCB1	1	Sample		
26	26	L0HC41AA,04260.B	PCB1	1	Sample		
27	27	L0HC51AA,04260.B	PCB1	1	Sample		
28	28	L0HC71AA,04260.B	PCB1	1	Sample		
29	29	L0HC81AA,04260.B	PCB1	1	Sample		
30	30	L0HC91AA,04260.B	PCB1	1	Sample		
31	31	L0HDA1AA,04260.B	PCB1	1	Sample		
32	32	HEXANE	PCB1	1	Sample		
33	33	L0HVM1AA,04260.B	PCB1	1	Sample		
34	34	L0HVM1AC,04260.B	PCB1	1	Sample		
35	35	MH1660,04260.B	PCB1	2	Sample		
36	100	HEXANE	PCB1	3	Sample		

COC/Sample Request

TestAmerica Pittsburgh
301 Alpha Drive
Pittsburgh, PA 15238
412-963-7058 FAX:412-963-2468

Project Name:

Site:

Lot Number/Sample Number	Analysis	Matrix
COD240482-001	PCB 8082A	SOLID
002		
003		
004		
005		
006		
007		
008		
009		
010		
011		
012		
013		
014		
015		
016		
017		
018		
019		

KB
4-25-10

Raw Relinquished by					Raw Received by			
Raw Sample	Date	Time	Analyst	Location	Date	Time	Analyst	Location
All Above	4/25/10	22:30	[illegible]	12C	4/25/10	22:40	[illegible]	Org. Prep.
All Above	4/26/10	00:10	[illegible]	Org Prep	4/26/10	00:20	[illegible]	12C

Shipping and Receiving Documents

Login Sample Receipt Check List

Client: Toltest Inc.

Job Number: 280-2720-1
SDG Number: 23050.01, Task Order 0056

Login Number: 2720
List Source: TestAmerica Denver
Creator: Johnston, Michelle
List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

F.2 TOLTEST'S BACKFILL ANALYTICAL RESULTS

Quick Facts

Microbac®

Look closer. Go further. Do more.

Corporate Information:

Microbac Laboratories, Inc.

Franklin Corporate Center

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President & CEO: J. Trevor Boyce

Federal Tax ID#: 25-1199-642

DUNS#: 048192892

Incorporated in the State of PA -- May 1, 1969

Employees Corporate-Wide: 467

Facilities Corporate –Wide: 18 Divisions, 28 locations across 15 states

Please note these administrative changes for our Ohio Valley Division laboratory in Marietta, OH (formerly KEMRON Environmental Services, Inc.) , in particular the address, which is a revised routing of remittances on our invoices. All invoices dated April 1, 2008 or later will reflect this change, and will be highlighted with an attention-getting sticker during our transition. Please adjust your records to ensure proper routing of payments.

Microbac®

Microbac Laboratories Inc.
Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750

Phone: 800-373-4071
Fax: 740-373-4835
Email: OVL@microbac.com

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L08120291

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

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Annie Brown	*Client Services Specialist*	abrown@microbac.com
Jacqueline Parsons	*Team Assistant*	jparsons@microbac.com

This report was reviewed on December 22, 2008.

Kathy Albertson

Kathy Albertson - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the accrediting authority listed below. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories.

This report was certified on December 22, 2008.

David E. Vandenberg

David Vandenberg - Managing Director

State of origin: Indiana
Accrediting authority: N/A ID:N/A
QAPP: Microbac (OVD) LQAP
This report contains a total of 91 pages.

Look closer. Go further. Do more.

Microbac REPORT L08120291
PREPARED FOR Toltest
WORK ID:

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1.0 Introduction

2.0 Data Package

2.1 Semivolatiles Data

2.1.1 Pesticide GC Data (8081)

2.1.1.1 Summary Data

Microbac Laboratories Inc.
GC PESTICIDES

Microbac Login No: L08120291

METHOD

Preparation: SW- 846 3550B(Soils)/3510C(Waters)/3580A (Waste dilution)

Analysis: SW-846 8081

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Labortory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Endrin/DDT Breakdown: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 17-DEC-08
Michael Cochran

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	8081A	1	10-DEC-08

Report Number: **L08120291**
Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290477**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **12/11/2008 09:30**
Cal Date: **12/08/2008 20:37**
Run Date: **12/15/2008 14:51**
File ID: **15G16750.F**
Percent Solid: **83.4**

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	1.95	0.391
beta-BHC	319-85-7		U	1.95	0.391
delta-BHC	319-86-8		U	1.95	0.391
gamma-BHC (Lindane)	58-89-9		U	1.95	0.391
Heptachlor	76-44-8		U	1.95	0.391
Aldrin	309-00-2		U	1.95	0.391
Heptachlor epoxide	1024-57-3		U	1.95	0.391
Endosulfan I	959-98-8		U	1.95	0.391
Dieldrin	60-57-1		U	1.95	0.391
4,4'-DDE	72-55-9		U	1.95	0.391
Endrin	72-20-8		U	1.95	0.391
Endosulfan II	33213-65-9		U	1.95	0.391
4,4'-DDD	72-54-8		U	1.95	0.391
Endosulfan sulfate	1031-07-8		U	1.95	0.391
4,4'-DDT	50-29-3		U	1.95	0.391
Methoxychlor	72-43-5		U	1.95	0.391
Endrin ketone	53494-70-5		U	1.95	0.391
Endrin aldehyde	7421-93-4		U	1.95	0.391
alpha Chlordane	5103-71-9		U	1.95	0.391
gamma Chlordane	5103-74-2		U	1.95	0.391
Toxaphene	8001-35-2		U	39.1	19.8

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	69.6	39	130	
Decachlorobiphenyl	64.9	33	143	

U Not detected at or above adjusted sample detection limit

2.1.1.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: 15G16747.F
Prep Date: 12/11/08 09:30
Analyzed Date: 12/15/08 13:26
Analyst: ECL

Work Group: WG290477
Blank Sample ID: WG290169-01
Instrument ID: HP15
Method: 8081A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290169-02	15G16748.F	12/15/08 13:54	01
LCS2	WG290169-03	15G16749.F	12/15/08 14:23	01
TS-001	L08120291-01	15G16750.F	12/15/08 14:51	01

Report Name: BLANK_SUMMARY
PDF File ID: 1278397
Report generated 12/17/2008 08:57

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/11/08 09:30 Sample ID: WG290169-01
Instrument ID: HP15 Run Date: 12/15/08 13:26 Prep Method: 3550B
File ID: 15G16747.F Analyst: ECL Method: 8081A
Workgroup (AAB#): WG290477 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP15-08-DEC-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
alpha-BHC	0.330	1.65	0.330	1	U
beta-BHC	0.330	1.65	0.330	1	U
delta-BHC	0.330	1.65	0.330	1	U
gamma-BHC (Lindane)	0.330	1.65	0.330	1	U
Heptachlor	0.330	1.65	0.330	1	U
Aldrin	0.330	1.65	0.330	1	U
Heptachlor epoxide	0.330	1.65	0.330	1	U
Endosulfan I	0.330	1.65	0.330	1	U
Dieldrin	0.330	1.65	0.330	1	U
4,4'-DDE	0.330	1.65	0.330	1	U
Endrin	0.330	1.65	0.330	1	U
Endosulfan II	0.330	1.65	0.330	1	U
4,4'-DDD	0.330	1.65	0.330	1	U
Endosulfan sulfate	0.330	1.65	0.330	1	U
4,4'-DDT	0.330	1.65	0.330	1	U
Methoxychlor	0.330	1.65	0.330	1	U
Endrin ketone	0.330	1.65	0.330	1	U
Endrin aldehyde	0.330	1.65	0.330	1	U
alpha Chlordane	0.330	1.65	0.330	1	U
gamma Chlordane	0.330	1.65	0.330	1	U
Toxaphene	16.7	33.0	16.7	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	79.0	39 - 130	PASS
Decachlorobiphenyl	92.7	33 - 143	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1278398
17-DEC-2008 08:57

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Analyst: ECL Prep Method: 3550B
Instrument ID: HP15 Matrix: Soil Method: 8081A
Workgroup (AAB#): WG290477 Units: ug/kg
QC Key: STD Lot #: STD29192

Sample ID: WG290169-02 LCS File ID: 15G16748.F Run Date: 12/15/2008 13:54
Sample ID: WG290169-03 LCS2 File ID: 15G16749.F Run Date: 12/15/2008 14:23

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
alpha-BHC	16.7	14.5	86.8	16.7	13.6	81.4	6.35	50 - 145	30	
beta-BHC	16.7	18.8	113	16.7	17.3	104	7.97	55 - 130	30	
delta-BHC	16.7	15.2	91.3	16.7	14.6	87.7	4.00	55 - 130	30	
gamma-BHC (Lindane)	16.7	17.4	104	16.7	16.2	97.0	7.35	50 - 135	30	
Heptachlor	16.7	15.7	94.1	16.7	14.8	88.5	6.13	50 - 140	30	
Aldrin	16.7	15.0	89.7	16.7	14.0	83.9	6.63	45 - 140	30	
Heptachlor epoxide	16.7	14.3	85.6	16.7	13.6	81.5	4.84	55 - 130	30	
Endosulfan I	16.7	9.75	58.5	16.7	9.75	58.5	0.0342	30 - 130	30	
Dieldrin	16.7	15.7	94.0	16.7	15.8	94.9	0.889	65 - 125	30	
4,4'-DDE	16.7	15.8	94.7	16.7	15.2	91.1	3.94	70 - 125	30	
Endrin	16.7	16.4	98.5	16.7	15.8	94.6	4.06	60 - 135	30	
Endosulfan II	16.7	10.9	65.6	16.7	10.8	65.0	0.827	35 - 140	30	
4,4'-DDD	16.7	15.8	94.8	16.7	15.3	91.9	3.08	40 - 140	30	
Endosulfan sulfate	16.7	15.2	90.9	16.7	15.0	90.3	0.707	55 - 135	30	
4,4'-DDT	16.7	17.6	105	16.7	17.1	102	2.89	50 - 150	30	
Methoxychlor	16.7	16.4	98.2	16.7	16.2	97.1	1.15	55 - 145	30	
Endrin ketone	16.7	15.2	91.0	16.7	14.8	89.0	2.20	60 - 120	30	
Endrin aldehyde	16.7	13.2	79.3	16.7	13.0	77.8	2.01	35 - 110	30	
alpha Chlordane	16.7	15.0	90.2	16.7	14.8	88.7	1.65	65 - 130	30	
gamma Chlordane	16.7	15.3	91.6	16.7	14.8	88.6	3.35	55 - 135	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Decachlorobiphenyl	94.3	92.6	33 - 143	PASS
2,4,5,6-Tetrachloro-m-xylene	80.9	74.2	39 - 130	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1278399
Report generated: 12/17/2008 08:57

2.1.2 PCB GC Data (8082)

2.1.2.1 Summary Data

Microbac Laboratories Inc.
GC PCB

Microbac Login No: L08120291

METHOD

Preparation: SW- 846 3550B(Soils)/3510C(Waters)/3580A (Waste dilution)

Analysis: SW-846 8082

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 12-DEC-08
Michael Cochran

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	8082	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290298**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8082**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP9**
Prep Date: **12/11/2008 09:31**
Cal Date: **10/16/2008 13:37**
Run Date: **12/11/2008 21:15**
File ID: **9GF49944.F**
Percent Solid: **83.4**

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.5	9.77
Aroclor-1221	11104-28-2		U	19.5	9.77
Aroclor-1232	11141-16-5		U	19.5	9.77
Aroclor-1242	53469-21-9		U	19.5	9.77
Aroclor-1248	12672-29-6		U	19.5	9.77
Aroclor-1254	11097-69-1		U	19.5	9.77
Aroclor-1260	11096-82-5		U	19.5	9.77

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	72.9	29	133	
Decachlorobiphenyl	61.9	30	173	

U Not detected at or above adjusted sample detection limit

Microbac®

2.1.2.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: 9GF49941.F
Prep Date: 12/11/08 09:31
Analyzed Date: 12/11/08 20:22
Analyst: ECL

Work Group: WG290298
Blank Sample ID: WG290170-01
Instrument ID: HP9
Method: 8082

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290170-02	9GF49942.F	12/11/08 20:40	01
LCS2	WG290170-03	9GF49943.F	12/11/08 20:57	01
TS-001	L08120291-01	9GF49944.F	12/11/08 21:15	01

Report Name: BLANK_SUMMARY
PDF File ID: 1275290
Report generated 12/12/2008 13:57

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/11/08 09:31 Sample ID: WG290170-01
Instrument ID: HP9 Run Date: 12/11/08 20:22 Prep Method: 3550B
File ID: 9GF49941.F Analyst: ECL Method: 8082
Workgroup (AAB#): WG290298 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-16-OCT-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aroclor-1016	8.25	16.5	8.25	1	U
Aroclor-1221	8.25	16.5	8.25	1	U
Aroclor-1232	8.25	16.5	8.25	1	U
Aroclor-1242	8.25	16.5	8.25	1	U
Aroclor-1248	8.25	16.5	8.25	1	U
Aroclor-1254	8.25	16.5	8.25	1	U
Aroclor-1260	8.25	16.5	8.25	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	84.6	29 - 133	PASS
Decachlorobiphenyl	91.2	30 - 173	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1275291
12-DEC-2008 13:57

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Analyst: ECL Prep Method: 3550B
Instrument ID: HP9 Matrix: Soil Method: 8082
Workgroup (AAB#): WG290298 Units: ug/kg
QC Key: STD Lot #: STD28665

Sample ID: WG290170-02 LCS File ID: 9GF49942.F Run Date: 12/11/2008 20:40
Sample ID: WG290170-03 LCS2 File ID: 9GF49943.F Run Date: 12/11/2008 20:57

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Aroclor-1016	83.3	66.2	79.5	83.3	76.6	92.0	14.6	40 - 140	40	
Aroclor-1260	83.3	73.7	88.5	83.3	73.6	88.3	0.244	60 - 130	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4,5,6-Tetrachloro-M-Xylene	80.2	80.9	29 - 133	PASS
Decachlorobiphenyl	85.5	84.8	30 - 173	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1275292
Report generated: 12/12/2008 13:57

2.1.3 Herbicide GC Data (8151)

2.1.3.1 Summary Data

Microbac Laboratories Inc.
GC HERBICIDES

Microbac Login No: L08120291

METHOD

Preparation: SW- 846 8151A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibraton: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: The LCS yielded a % recovery for dinoseb that was above the acceptance limit. The LCS DUP yielded % recoveries for dinoseb and dalapon that were above the acceptance limits. These analytes were not found in samples associated with this LCS. All other acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 17-DEC-08
Michael Cochran

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	8151A	1	10-DEC-08
TS-001	L08120291-01	8151A	1	10-DEC-08

Report Number: **L08120291**
Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290660**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **METHOD**
Analytical Method: **8151A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP17**
Prep Date: **12/15/2008 09:32**
Cal Date: **11/21/2008 13:55**
Run Date: **12/16/2008 17:59**
File ID: **17G3016.F**
Percent Solid: **83.4**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	47.9	23.9
2,4-DB	94-82-6	52.8	P	47.9	23.9
2,4,5-T	93-76-5		U	4.79	2.39
2,4,5-TP (Silvex)	93-72-1		U	3.59	1.79
Dalapon	75-99-0		U	120	59.8
Dicamba	1918-00-9		U	4.79	2.39
Dichloroprop	120-36-5		U	47.9	23.9
Dinoseb	88-85-7		U	23.9	12.0
MCPA	94-74-6		U	4790	2390
MCPP	93-65-2		U	4790	2390
Pentachlorophenol	87-86-5		U	4.79	2.39

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	104	25	110	

U Not detected at or above adjusted sample detection limit
P Concentrations >40% difference between the two GC columns

Report Number: **L08120291**
Report Date : **December 22, 2008**

Sample Number:	L08120291-01	PrePrep Method:	NONE	Instrument:	HP17
Client ID:	TS-001	Prep Method:	METHOD	Prep Date:	12/15/2008 09:32
Matrix:	Soil	Analytical Method:	8151A	Cal Date:	11/21/2008 13:55
Workgroup Number:	WG290660	Analyst:	ECL	Run Date:	12/16/2008 18:27
Collect Date:	12/09/2008 10:00	Dilution:	1	File ID:	17G3016.R
Sample Tag:	CF01	Units:	ug/kg	Percent Solid:	83.4

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-DB	94-82-6	32.7	J	47.9	23.9

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	86.7	25	110	

J The analyte was positively identified, but the quantitation was below the RL

2.1.3.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: 17G3013.F
Prep Date: 12/15/08 09:32
Analyzed Date: 12/16/08 16:37
Analyst: ECL

Work Group: WG290660
Blank Sample ID: WG290457-01
Instrument ID: HP17
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290457-02	17G3014.F	12/16/08 17:04	01
LCS	WG290457-02	17G3014.R	12/16/08 17:31	02
LCS2	WG290457-03	17G3015.F	12/16/08 17:31	01
LCS2	WG290457-03	17G3015.R	12/16/08 17:59	02
TS-001	L08120291-01	17G3016.F	12/16/08 17:59	01
TS-001	L08120291-01	17G3016.R	12/16/08 18:27	CF01

Report Name: BLANK_SUMMARY
PDF File ID: 1278453
Report generated 12/17/2008 09:30

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: 17G3013.R
Prep Date: 12/15/08 09:32
Analyzed Date: 12/16/08 17:04
Analyst: ECL

Work Group: WG290660
Blank Sample ID: WG290457-01
Instrument ID: HP17
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290457-02	17G3014.F	12/16/08 17:04	01
LCS	WG290457-02	17G3014.R	12/16/08 17:31	02
LCS2	WG290457-03	17G3015.F	12/16/08 17:31	01
LCS2	WG290457-03	17G3015.R	12/16/08 17:59	02
TS-001	L08120291-01	17G3016.F	12/16/08 17:59	01
TS-001	L08120291-01	17G3016.R	12/16/08 18:27	CF01

Report Name: BLANK_SUMMARY
PDF File ID: 1278453
Report generated 12/17/2008 09:30

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/15/08 09:32 Sample ID: WG290457-01
Instrument ID: HP17 Run Date: 12/16/08 16:37 Prep Method: METHOD
File ID: 17G3013.F Analyst: ECL Method: 8151A
Workgroup (AAB#): WG290660 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP17-21-NOV-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	20.0	40.0	20.0	1	U
2,4-DB	20.0	40.0	20.0	1	U
2,4,5-T	2.00	4.00	2.00	1	U
2,4,5-TP (Silvex)	1.50	3.00	1.50	1	U
Dalapon	50.0	100	50.0	1	U
Dicamba	2.00	4.00	2.00	1	U
Dichloroprop	20.0	40.0	20.0	1	U
Dinoseb	10.0	20.0	10.0	1	U
MCPA	2000	4000	2000	1	U
MCPP	2000	4000	2000	1	U
Pentachlorophenol	2.00	4.00	2.00	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	70.1	25 - 110	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1278454
17-DEC-2008 09:30

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/15/08 09:32 Sample ID: WG290457-01
Instrument ID: HP17 Run Date: 12/16/08 17:04 Prep Method: METHOD
File ID: 17G3013.R Analyst: ECL Method: 8151A
Workgroup (AAB#): WG290660 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP17-21-NOV-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	20.0	40.0	20.0	1	U
2,4-DB	20.0	40.0	20.0	1	U
2,4,5-T	2.00	4.00	2.00	1	U
2,4,5-TP (Silvex)	1.50	3.00	1.50	1	U
Dalapon	50.0	100	50.0	1	U
Dicamba	2.00	4.00	2.00	1	U
Dichloroprop	20.0	40.0	20.0	1	U
Dinoseb	10.0	20.0	10.0	1	U
MCPA	2000	4000	2000	1	U
MCPP	2000	4000	2000	1	U
Pentachlorophenol	2.00	4.00	2.00	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	68.8	25 - 110	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1278454
17-DEC-2008 09:30

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Analyst: ECL Prep Method: METHOD
Instrument ID: HP17 Matrix: Soil Method: 8151A
Workgroup (AAB#): WG290660 Units: ug/kg
QC Key: STD Lot #: STD29399

Sample ID: WG290457-02 LCS File ID: 17G3014.F Run Date: 12/16/2008 17:04
Sample ID: WG290457-03 LCS2 File ID: 17G3015.F Run Date: 12/16/2008 17:31

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	100	101	101	100	108	108	6.89	35 - 145	50	
2,4-DB	100	66.3	66.3	100	74.6	74.6	11.8	25 - 150	50	
2,4,5-T	10.0	11.7	117	10.0	12.4	124	5.74	35 - 145	50	
2,4,5-TP (Silvex)	10.0	7.43	74.3	10.0	8.06	80.6	8.16	30 - 110	50	
Dalapon	250	213	85.0	250	253	101	17.4	30 - 100	50	*
Dicamba	10.0	6.56	65.6	10.0	7.60	76.0	14.7	30 - 150	50	
Dichloroprop	100	86.0	86.0	100	93.7	93.7	8.62	40 - 130	50	
Dinoseb	50.0	70.9	142	50.0	75.7	151	6.50	35 - 120	50	*
MCPA	10000	7270	72.7	10000	7590	75.9	4.23	30 - 120	50	
MCPP	10000	6150	61.5	10000	6770	67.7	9.51	40 - 120	50	
Pentachlorophenol	10.0	6.19	61.9	10.0	6.89	68.9	10.6	40 - 110	50	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	68.6	75.9	25 - 110	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1278455
Report generated: 12/17/2008 09:30

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Analyst: ECL Prep Method: METHOD
Instrument ID: HP17 Matrix: Soil Method: 8151A
Workgroup (AAB#): WG290660 Units: ug/kg
QC Key: STD Lot #: STD29399

Sample ID: WG290457-02 LCS File ID: 17G3014.R Run Date: 12/16/2008 17:31
Sample ID: WG290457-03 LCS2 File ID: 17G3015.R Run Date: 12/16/2008 17:59

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	100	103	103	100	109	109	6.21	35 - 145	50	
2,4-DB	100	67.1	67.1	100	74.3	74.3	10.3	25 - 150	50	
2,4,5-T	10.0	10.8	108	10.0	12.9	129	17.1	35 - 145	50	
2,4,5-TP (Silvex)	10.0	7.38	73.8	10.0	8.39	83.9	12.9	30 - 110	50	
Dalapon	250	156	62.3	250	182	72.9	15.7	30 - 100	50	
Dicamba	10.0	29.1	291	10.0	37.0	370	23.9	30 - 150	50	*
Dichloroprop	100	92.8	92.8	100	99.8	99.8	7.32	40 - 130	50	
Dinoseb	50.0	72.7	145	50.0	78.9	158	8.10	35 - 120	50	*
MCPA	10000	7640	76.4	10000	8050	80.5	5.20	30 - 120	50	
MCPP	10000	5790	57.9	10000	6310	63.1	8.66	40 - 120	50	
Pentachlorophenol	10.0	6.31	63.1	10.0	7.16	71.6	12.7	40 - 110	50	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	68.5	76.4	25 - 110	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1278455
Report generated: 12/17/2008 09:30

2.2 Metals Data

2.2.1 Metals I C P Data

2.2.1.1 Summary Data

Microbac Laboratories Inc.
METALS

Microbac Login No: L08120291

METHOD

Preparation: SW-846 3015

Analysis: SW-846 6010

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Interference Check Samples: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG290623(6010) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: SLP

Approved: 17-DEC-08
Maren Berry

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	6010B	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Leachate**
Workgroup Number: **WG290623**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **1311**
Prep Method: **3015**
Analytical Method: **6010B**
Analyst: **ED**
Dilution: **1**
Units: **mg/L**

Instrument **PE-ICP2**
Prep Date: **12/12/2008 12:05**
Cal Date: **12/16/2008 13:31**
Run Date **12/16/2008 19:33**
File ID: **P2.121608.193330**

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Arsenic, TCLP	7440-38-2		U	1	.1	D004	5
Barium, TCLP	7440-39-3	0.317		.1	.025	D005	100
Cadmium, TCLP	7440-43-9		U	.1	.025	D006	1
Chromium, TCLP	7440-47-3		U	.2	.025	D007	5
Lead, TCLP	7439-92-1		U	1	.1	D008	5
Selenium, TCLP	7782-49-2		U	.8	.4	D010	1
Silver, TCLP	7440-22-4		U	.1	.05	D011	5

U Not detected at or above adjusted sample detection limit

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2.2.1.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: P2.121608.185546
Prep Date: 12/12/08 12:05
Analyzed Date: 12/16/08 18:55
Analyst: ED

Work Group: WG290623
Blank Sample ID: WG290388-02
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290388-03	P2.121608.190159	12/16/08 19:01	01
TS-001	L08120291-01	P2.121608.193330	12/16/08 19:33	01

Report Name: BLANK_SUMMARY
PDF File ID: 1278697
Report generated 12/17/2008 09:52

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/12/08 12:05 Sample ID: WG290388-02
Instrument ID: PE-ICP2 Run Date: 12/16/08 18:55 Prep Method: 3015
File ID: P2.121608.185546 Analyst: ED Method: 6010B
Workgroup (AAB#): WG290623 Matrix: Leachate Units: mg/L
Contract #: Cal ID: PE-ICP-16-DEC-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Arsenic, TCLP	0.0100	0.100	0.0100	1	U
Barium, TCLP	0.00250	0.0100	-0.00375	1	U
Cadmium, TCLP	0.00250	0.0100	0.00250	1	U
Chromium, TCLP	0.00250	0.0200	0.00250	1	U
Lead, TCLP	0.0100	0.100	0.0100	1	U
Selenium, TCLP	0.0400	0.0800	0.0400	1	U
Silver, TCLP	0.00500	0.0100	0.00500	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1278698
17-DEC-2008 09:52

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Run Date: 12/16/2008 Sample ID: WG290388-03
Instrument ID: PE-ICP2 Run Time: 19:01 Prep Method: 3015
File ID: P2.121608.190159 Analyst: ED Method: 6010B
Workgroup (AAB#): WG290623 Matrix: Leachate Units: mg/L
QC Key: STD Lot#: STD27612 Cal ID: PE-ICP-16-DEC-08

Analytes	Expected	Found	% Rec	LCS Limits	Q
Arsenic, TCLP	0.200	0.189	94.6	85 - 115	
Barium, TCLP	0.500	0.516	103	85 - 115	
Cadmium, TCLP	0.0250	0.0240	96.2	85 - 115	
Chromium, TCLP	0.250	0.259	104	85 - 115	
Lead, TCLP	0.250	0.250	99.9	85 - 115	
Selenium, TCLP	0.200	0.184	92.0	85 - 115	
Silver, TCLP	0.200	0.209	105	85 - 115	

LCS - Modified 03/06/2008
PDF File ID: 1278699
Report generated: 12/17/2008 09:52

2.2.2 Metals CVAA Data (Mercury)

2.2.2.1 Summary Data

Microbac Laboratories Inc.
METALS

Microbac Login No: L08120291

METHOD

Preparation: SW-846 7470A

Analysis: SW-846 7470A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibrations: All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Serial Dilution/Post Digestion Spike: WG290493(7470A) - All acceptance criteria were met.

SAMPLES

All acceptance criteria were met.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ADC

Approved: 17-DEC-08
Maren Berry

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	7470A	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Leachate**
Workgroup Number: **WG290493**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **1311**
Prep Method: **7470A**
Analytical Method: **7470A**
Analyst: **ADC**
Dilution: **1**
Units: **mg/L**

Instrument: **HYDRA**
Prep Date: **12/12/2008 09:34**
Cal Date: **12/15/2008 10:04**
Run Date: **12/15/2008 10:29**
File ID: **HY.121508.102903**

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Mercury	7439-97-6		U	.002	.001	D009	0.2

U Not detected at or above adjusted sample detection limit

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2.2.2.2 QC Summary

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08120291
Blank File ID: HY.121508.101730
Prep Date: 12/12/08 09:34
Analyzed Date: 12/15/08 10:17
Analyst: ADC

Work Group: WG290493
Blank Sample ID: WG290362-02
Instrument ID: HYDRA
Method: 7470A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG290362-03	HY.121508.102123	12/15/08 10:21	01
TS-001	L08120291-01	HY.121508.102903	12/15/08 10:29	01

Report Name: BLANK_SUMMARY
PDF File ID: 1277839
Report generated 12/16/2008 11:39

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08120291 Prep Date: 12/12/08 09:34 Sample ID: WG290362-02
Instrument ID: HYDRA Run Date: 12/15/08 10:17 Prep Method: 7470A
File ID: HY.121508.101730 Analyst: ADC Method: 7470A
Workgroup (AAB#): WG290493 Matrix: Leachate Units: mg/L
Contract #: Cal ID: HYDRA-15-DEC-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Mercury	0.000100	0.000200	0.000100	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1277840
16-DEC-2008 11:39

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08120291 Run Date: 12/15/2008 Sample ID: WG290362-03
Instrument ID: HYDRA Run Time: 10:21 Prep Method: 7470A
File ID: HY.121508.102123 Analyst: ADC Method: 7470A
Workgroup (AAB#): WG290493 Matrix: Leachate Units: mg/L
QC Key: STD Lot#: STD30294 Cal ID: HYDRA-15-DEC-08

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury	0.00400	0.00393	98.3	85 - 115	

LCS - Modified 03/06/2008
PDF File ID: 1277841
Report generated: 12/16/2008 11:39

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	D2216-90	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290637**
Collect Date: **12/09/2008 10:00**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **12/17/2008 11:20**
Cal Date:
Run Date: **12/17/2008 11:20**
File ID: **B1.290637-0113**

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	10-02-6	83.4		1.00	1.00

2.3 General Chemistry Data

Microbac Laboratories Inc.
GENERAL CHEMISTRY

Microbac Login No: L08120291

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with the sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 17-DEC-08
Dennis Hasson

2.3.2 Reactive Sulfide Data

2.3.2.1 Summary Data

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	SW7.34	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290292**
Collect Date: **12/09/2008 10:00**

PrePrep Method: **NONE**
Prep Method: **SW7.34**
Analytical Method: **SW7.34**
Analyst: **JBK**
Dilution: **1**
Units: **mg/kg**

Instrument: **BURET**
Prep Date: **12/11/2008 15:10**
Cal Date:
Run Date: **12/11/2008 15:10**
File ID: **ET.0812111510-09**

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Sulfide	18496-25-8		U	100	50.0

U Not detected at or above adjusted sample detection limit

2.3.2.2 QC Summary Data

2.3.3 PH Data

2.3.3.1 Summary Data

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	9045D	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290423**
Collect Date: **12/09/2008 10:00**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **DLP**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **12/12/2008 16:10**
Cal Date:
Run Date: **12/12/2008 16:10**
File ID: **OS08121612361801**

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH	10-29-7	6.81			

2.3.3.2 QC Summary Data

2.3.4 Method Flashpoint

2.3.4.1 Summary Data

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	1010	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290050**
Collect Date: **12/09/2008 10:00**

PrePrep Method: **NONE**
Prep Method: **1010**
Analytical Method: **1010**
Analyst: **JBK**
Dilution: **1**
Units: **Degrees C**

Instrument: **PRECISION**
Prep Date: **12/10/2008 08:50**
Cal Date:
Run Date: **12/10/2008 08:50**
File ID: **PR08121016374901**

Analyte	CAS. Number	Result	Qual	RL	MDL
Ignitability		**74.0**	**>**		

> Result is greater than the associated numerical value.

2.3.4.2 QC Summary Data

2.3.5 Reactive Cyanide Data

2.3.5.1 Summary Data

LABORATORY REPORT

L08120291

12/22/08 11:36

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
TS-001	L08120291-01	SW7.33	1	10-DEC-08

Microbac Laboratories Inc.

Report Number: **L08120291**

Report Date : **December 22, 2008**

Sample Number: **L08120291-01**
Client ID: **TS-001**
Matrix: **Soil**
Workgroup Number: **WG290232**
Collect Date: **12/09/2008 10:00**

PrePrep Method: **NONE**
Prep Method: **SW7.33**
Analytical Method: **SW7.33**
Analyst: **JBK**
Dilution: **1**
Units: **mg/kg**

Instrument: **UV-120-1V**
Prep Date: **12/11/2008 16:00**
Cal Date:
Run Date: **12/11/2008 16:00**
File ID: **1V.0812111600-08**

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Cyanide	57-12-5		U	49.5	24.8

U Not detected at or above adjusted sample detection limit

2.3.5.2 QC Summary Data

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
December 22, 2008

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
AM – ALISON J. MILLER	AML – ANTHONY M. LONG	BRG – BRENDA R. GREGORY
CAA – CASSIE A. AUGENSTEIN	CAF – CHERYL A. FLOWERS	CAH – CHARLES A. HALL
CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD	CLW – CHARISSA L. WINTERS
CMS – CRYSTAL M. STEPHENS	CPD – CHAD P. DAVIS	CSH – CHRIS S. HILL
CTB – CHRIS T. BUCINA	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
DR – DEANNA ROBERTS	DSF – DEBRA S. FREDERICK	EAB – EDDIE A. BYERS
ECL – ERIC C. LAWSON	ED – EMILY E. DECKER	EDA – ERIN D. AGEE
EDH – ETHAN D. MORRIS	ERP – ERIN R. PORTER	FJB – FRANCES J. BOLDEN
HAV – HEMA VILASAGAR	HJR – HOLLY J. REED	JBK – JEREMY B. KINNEY
JC – JOHN L. CONLEY	JDH – JUSTIN D. HESSON	JKP – JACQUELINE K. PARSONS
JKT – JANE K. THOMPSON	JWR – JOHN W. RICHARDS	JWS – JACK W. SHEAVES
JYH – JI Y. HU	KEB – KATHRYN E. BARNES	KHR – KIM H. RHODES
KJW – KATIE J. WIEFERICH	KRA – KATHY R. ALBERTSON	LHT – LANCE H. THOMPSON
LKN – LINDA K. NEDEFF	LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON
MDC – MICHAEL D. COCHRAN	MES – MARY E. SCHILLING	MMB – MAREN M. BEERY
MRT – MICHELLE R. TAYLOR	MSW – MATT S. WILSON	NPM – NATHANIEL P. MILLER
PDM – PIERCE D. MORRIS	RAH – ROY A. HALSTEAD	RB – ROBERT BUCHANAN
REK – ROBERT E. KYER	RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL
SAV – SARAH A. VANDENBERG	SDH – SHANA D. HINYARD	SDL – SHELLY D. LENT
SLM – STEPHANIE L. MOSSBURG	SLP – SHERI L. PFALZGRAF	SMH – SHAUNA M. HYDE
TDH – TRICIA D. HUCK	TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY
TMM – TAMMY M. MORRIS	VC – VICKI COLLIER	WTD – WADE T. DELONG

Microbac Laboratories Inc.
List of Valid Qualifiers
December 22, 2008

Qualkey: STD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
B3	Target analyte detected in calibration blank at or above the method reporting limit
C	Confirmed by GC/MS
CG	Confluent growth
D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concenration of target analyte.
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
E1	Concentration estimated. Analyte exceeded calibration range. Insufficient sample for reanalysis.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
M1	Matrix spike recovery was high; the assocated blank spike recovery was acceptable.
M2	Matrix spike recovery was low; the assocated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration is disproportionate to the spike level.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
Q1	Sample integraity was not maintained. See report narrative.
QNS	Quantity of sample not sufficient to perform analysis
R1	Duplicate RPD/RSD exceeded the method acceptance limit.
R2	Duplicate RPD/RSD exceeded the laboratory acceptance limit.
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
V2	CCV recovery was above method acceptance limits. Insufficient volume for sample reanalysis.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Qualkey: STD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

TOLTEST, INC.

1915 N. 12th St., P.O. Box 2186, Toledo, OH 43603-2186; Voice (419) 241-7175, Fax (419) 321-6259
Ship To Address: ATTN: RECEIVING LAB, 1810 N. 12th St., Toledo, OH 43624-1304; Voice (419) 241-7175, Fax (419) 241-1808
Sent From: ☐ Corporate ☐ Plymouth ☐ Pittsburgh ☐ Other odon IN

Chain of Custody Record

39468

Project No.: 22367.01
Client: NSA Crane
P.O. No.: P.004089
Project/Location: Crane, IN / SWMU 13
Project Mgr.: Brian Morgan
Sampler's Name: Marty Endris
Phone No.:
Sampler's Signature: Martin V. Endris

Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Sample Location	Total No. of Containers	TCLP RCRA 8	PH	Reactivity	PCB	Pesticide	Herbicide	Ignitability	Preserved Yes/No	LAB USE ONLY Lab #
1	TS-001	12/09/08	10:00AM	C	Soil	Pile of Top Soil from Vendor	6	✓	✓	✓	✓	✓	✓	✓		
2																
3																
4																
5																
6																
7																
8																
9																
10																

Item No.	Relinquished By:	Date	Time	Received By:	Date	Time
#1	Martin V. Endris	12/9/08	1:15pm			
Item No.	Relinquished By:	Date	Time	Received By:	Date	Time
				Eric Perez	12/10/08	0930
Item No.	Relinquished By:	Date	Time	Received By:	Date	Time
Item No.	Relinquished By:	Date	Time	Received By:	Date	Time

LAB USE ONLY

Were samples delivered ☐ in person ☐ by courier
Were samples preserved ☐ in field ☐ in lab ☐ N/A
Temp of samples _____ °C
Did samples arrive intact and sealed? ☐ yes ☐ no ☐ N/A
Were proper containers used? ☐ yes ☐ no
Was container labeled properly for contents? ☐ yes ☐ no
Were samples packaged properly for type of material? ☐ yes ☐ no
Was shipping label completed properly per regulations? (49 CFR 170, etc.) ☐ yes ☐ no
Comments: _____

TAT _____

Distribution: Original plus one accompanies shipment (white and yellow); copy to coordinator field files (pink)

Rev. 4/99

Microbac Laboratories, Inc.

SAMPLE RECEIPT FORM

158 Starlite Drive
Marietta, OH 45750
(740) 373-4071

Client: Tolltex	
Workorder Number: B 19847 2.	
Date Received: 12-10-08	
Delivered by: ( ) Fedx ( ) UPS ( ) Client ( ) Courier	**Time:** 0930
Opened by: ERP	
IR Temp Gun: ( ) D (✓) G	
Logged by: ERP / JKT / KRA	LOX120291

Cooler information

Cooler ID	Temp C	Airbill#	COC#	Other
3294	1	1ZX908F6019384		Soil

Inspection Checklist	**Y**	**N**	**NA**	**Discrepancy ID**
Were shipping coolers sealed?	✓			
Were custody seals intact?	✓			
Were cooler temperatures in range of 0 - 6?	✓			
Was ice present?	✓			
Were COC's received/ information complete/signed and dated?	✓			
Were sample containers and labels intact and match COC?	✓			
Were the correct containers and volumes received?	✓			
Were correct preservatives used? (water only)			✓	
Were pH ranges acceptable? (voa's excluded)			✓	
Were VOA samples free of headspace (< 6mm)?			✓	
Were samples received within EPA hold times?	✓			

Discrepancy/Comments/Other Problems

Distribution

Name of Microbac representative:
Client/Company:
Person Contacted:
Date contacted:

Resolution/other comments:

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L08120291
Account: 2792
Project: 2792.015
Samples: 1
Due Date: 17-DEC-2008

Samplenum	Container ID	Products
L08120291-01	534966	PCT-S

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	
2	ANALYZ	W1	WET	11-DEC-2008 10:04	JDH	JKT
3	STORE	WET	W1	16-DEC-2008 16:40	JDH	RLK

Samplenum	Container ID	Products
L08120291-01	534967	REACTC REACTS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	
2	ANALYZ	W1	WET	10-DEC-2008 15:38	JBK	ERE
3	STORE	WET	A2	12-DEC-2008 08:12	RLK	JBK

Samplenum	Container ID	Products
L08120291-01	534965	8151

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	
2	PREP	W1	EXT	11-DEC-2008 06:51	CEB	JKT
3	EXTRACT	EXT	SEMI	11-DEC-2008 06:54		CEB
4	STORE	EXT	W1	11-DEC-2008 10:41	JKT	CEB
5	PREP	W1	EXT	15-DEC-2008 06:18	CEB	JKT
6	STORE	EXT	W1	15-DEC-2008 09:46	JKT	CEB

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L08120291
Account: 2792
Project: 2792.015
Samples: 1
Due Date: 17-DEC-2008

Samplenum	Container ID	Products
L08120291-01	534964	TC-EX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	
2	PREP	W1	TCL	11-DEC-2008 05:59	RWC	JKT
3	STORE	TCL	W1	11-DEC-2008 12:42	JKT	RWC
4	ANALYZ	W1	WET	12-DEC-2008 16:08	JBK	ERE
5	STORE	WET	A2	15-DEC-2008 12:01	JKT	DLP

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	10-DEC-2008 14:55	ERE	
2	PREP	W1	TCL	11-DEC-2008 05:59	RWC	JKT
3	STORE	TCL	W1	11-DEC-2008 12:43	JKT	RWC

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

Quick Facts

Microbac®

Look closer. Go further. Do more.

Corporate Information:

Microbac Laboratories, Inc.

Franklin Corporate Center

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Wexford, PA 15090

Phone: (724) 934-5030

FAX: (724) 934-5088

www.microbac.com

President & CEO: J. Trevor Boyce

Federal Tax ID#: 25-1199-642

DUNS#: 048192892

Incorporated in the State of PA -- May 1, 1969

Employees Corporate-Wide: 467

Facilities Corporate –Wide: 18 Divisions, 28 locations across 15 states

Please note these administrative changes for our Ohio Valley Division laboratory in Marietta, OH (formerly KEMRON Environmental Services, Inc.) , in particular the address, which is a revised routing of remittances on our invoices. All invoices dated April 1, 2008 or later will reflect this change, and will be highlighted with an attention-getting sticker during our transition. Please adjust your records to ensure proper routing of payments.

Microbac®

Microbac Laboratories Inc.
Ohio Valley Division
158 Starlite Drive
Marietta, OH 45750

Phone: 800-373-4071
Fax: 740-373-4835
Email: OVL@microbac.com

158 Starlite Drive, Marietta, OH 45750 • T:740-373-4071 • F:740-373-4835 • http://www.microbac.com

Laboratory Report Number: L08100686

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories.

Review and compilation of your report was completed by Microbac's Sales and Service Team. If you have questions, comments or require further assistance regarding this report, please contact your team member noted in the reviewed box bleow at 800-373-4071. Team member e-mail addresses also appear here for your convenience.

Kathy Albertson	*Team Chemist/Data Specialist*	kalbertson@microbac.com
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Jacqueline Parsons	*Team Assistant*	jparsons@microbac.com

This report was reviewed on November 03, 2008.

Kathy Albertson

Kathy Albertson - Team Chemist/Data Specialist

I certify that all test results meet all of the requirements of the accrediting authority listed below. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories.

This report was certified on November 03, 2008.

David E. Vandenberg

David Vandenberg - Managing Director

State of origin: Indiana
Accrediting authority: N/A ID:N/A
QAPP: Microbac (OVD) LQAP
This report contains a total of 80 pages.

Look closer. Go further. Do more.

Microbac REPORT L08100686
PREPARED FOR Toltest
WORK ID:

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1.0 Introduction

Microbac Laboratories Inc.
REPORT NARRATIVE

Microbac Login No: L08100686

CHAIN OF CUSTODY: The chain of custody number was 39474.

SHIPMENT CONDITIONS: The chain of custody forms were received sealed in a cooler. The cooler temperature was 2 degrees C.

SAMPLE MANAGEMENT: All samples received were intact.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Approved: 29-OCT-08
Kathy Albertson

2.0 Data Package

2.1 Semivolatiles Data

2.1.1 Pesticide GC Data (8081)

2.1.1.1 Summary Data

Microbac Laboratories Inc.
GC PESTICIDES

Microbac Login No: L08100686

METHOD

Preparation: SW- 846 3550B(Soils)/3510C(Waters)/3580A (Waste dilution)

Analysis: SW-846 8081

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Labortory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Endrin/DDT Breakdown: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak

In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.

This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.

This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline

There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous

Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 30-OCT-08
Michael Cochran

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	8081A	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG286341**
Collect Date: **10/22/2008 11:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **3550B**
Analytical Method: **8081A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP15**
Prep Date: **10/27/2008 08:00**
Cal Date: **10/23/2008 22:12**
Run Date: **10/29/2008 19:58**
File ID: **15G16334.R**
Percent Solid: **85.4**

Analyte	CAS. Number	Result	Qual	RL	MDL
alpha-BHC	319-84-6		U	1.92	0.385
beta-BHC	319-85-7		U	1.92	0.385
delta-BHC	319-86-8		U	1.92	0.385
gamma-BHC (Lindane)	58-89-9		U	1.92	0.385
Heptachlor	76-44-8		U	1.92	0.385
Aldrin	309-00-2		U	1.92	0.385
Heptachlor epoxide	1024-57-3		U	1.92	0.385
Endosulfan I	959-98-8		U	1.92	0.385
Dieldrin	60-57-1		U	1.92	0.385
4,4'-DDE	72-55-9		U	1.92	0.385
Endrin	72-20-8		U	1.92	0.385
Endosulfan II	33213-65-9		U	1.92	0.385
4,4'-DDD	72-54-8		U	1.92	0.385
Endosulfan sulfate	1031-07-8		U	1.92	0.385
4,4'-DDT	50-29-3		U	1.92	0.385
Methoxychlor	72-43-5		U	1.92	0.385
Endrin ketone	53494-70-5		U	1.92	0.385
Endrin aldehyde	7421-93-4		U	1.92	0.385
alpha Chlordane	5103-71-9		U	1.92	0.385
gamma Chlordane	5103-74-2		U	1.92	0.385
Toxaphene	8001-35-2		U	38.5	19.5

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-m-xylene	83.2	39	130	
Decachlorobiphenyl	87.8	33	143	

U Not detected at or above adjusted sample detection limit

2.1.1.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08100686
Blank File ID: 15G16331.R
Prep Date: 10/27/08 08:00
Analyzed Date: 10/29/08 18:33
Analyst: ECL

Work Group: WG286341
Blank Sample ID: WG286066-01
Instrument ID: HP15
Method: 8081A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG286066-02	15G16332.F	10/29/08 18:33	02
LCS2	WG286066-03	15G16333.F	10/29/08 19:01	02
LCS	WG286066-02	15G16332.R	10/29/08 19:01	01
LCS2	WG286066-03	15G16333.R	10/29/08 19:30	01
BF-001	L08100686-01	15G16334.R	10/29/08 19:58	01

Report Name: BLANK_SUMMARY
PDF File ID: 1236004
Report generated 10/30/2008 11:58

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08100686 Prep Date: 10/27/08 08:00 Sample ID: WG286066-01
Instrument ID: HP15 Run Date: 10/29/08 18:33 Prep Method: 3550B
File ID: 15G16331.R Analyst: ECL Method: 8081A
Workgroup (AAB#): WG286341 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP15-23-OCT-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
alpha-BHC	0.330	1.65	0.330	1	U
beta-BHC	0.330	1.65	0.330	1	U
delta-BHC	0.330	1.65	0.330	1	U
gamma-BHC (Lindane)	0.330	1.65	0.330	1	U
Heptachlor	0.330	1.65	0.330	1	U
Aldrin	0.330	1.65	0.330	1	U
Heptachlor epoxide	0.330	1.65	0.330	1	U
Endosulfan I	0.330	1.65	0.330	1	U
Dieldrin	0.330	1.65	0.330	1	U
4,4'-DDE	0.330	1.65	0.330	1	U
Endrin	0.330	1.65	0.330	1	U
Endosulfan II	0.330	1.65	0.330	1	U
4,4'-DDD	0.330	1.65	0.330	1	U
Endosulfan sulfate	0.330	1.65	0.330	1	U
4,4'-DDT	0.330	1.65	0.330	1	U
Methoxychlor	0.330	1.65	0.330	1	U
Endrin ketone	0.330	1.65	0.330	1	U
Endrin aldehyde	0.330	1.65	0.330	1	U
alpha Chlordane	0.330	1.65	0.330	1	U
gamma Chlordane	0.330	1.65	0.330	1	U
Toxaphene	16.7	33.0	16.7	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-m-xylene	83.1	39 - 130	PASS
Decachlorobiphenyl	98.9	33 - 143	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1236005
30-OCT-2008 11:58

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08100686 Analyst: ECL Prep Method: 3550B
Instrument ID: HP15 Matrix: Soil Method: 8081A
Workgroup (AAB#): WG286341 Units: ug/kg
QC Key: STD Lot #: STD29192

Sample ID: WG286066-02 LCS File ID: 15G16332.R Run Date: 10/29/2008 19:01
Sample ID: WG286066-03 LCS2 File ID: 15G16333.R Run Date: 10/29/2008 19:30

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
alpha-BHC	16.7	14.7	88.4	16.7	13.9	83.3	5.94	50 - 145	30	
beta-BHC	16.7	13.2	79.3	16.7	12.8	76.6	3.44	55 - 130	30	
delta-BHC	16.7	15.5	93.3	16.7	15.0	90.3	3.25	55 - 130	30	
gamma-BHC (Lindane)	16.7	15.5	92.9	16.7	14.8	88.7	4.56	50 - 135	30	
Heptachlor	16.7	15.2	90.9	16.7	14.4	86.2	5.37	50 - 140	30	
Aldrin	16.7	15.4	92.3	16.7	14.5	86.7	6.21	45 - 140	30	
Heptachlor epoxide	16.7	15.6	93.7	16.7	13.7	82.5	12.7	55 - 130	30	
Endosulfan I	16.7	13.4	80.5	16.7	12.3	73.7	8.84	30 - 130	30	
Dieldrin	16.7	16.8	101	16.7	16.1	96.4	4.42	65 - 125	30	
4,4'-DDE	16.7	16.9	101	16.7	16.1	96.5	4.97	70 - 125	30	
Endrin	16.7	17.1	102	16.7	15.7	94.1	8.39	60 - 135	30	
Endosulfan II	16.7	13.6	81.5	16.7	13.4	80.7	0.987	35 - 140	30	
4,4'-DDD	16.7	16.7	100	16.7	16.2	97.1	3.40	40 - 140	30	
Endosulfan sulfate	16.7	13.5	81.3	16.7	13.8	83.0	2.05	55 - 135	30	
4,4'-DDT	16.7	18.3	110	16.7	17.5	105	4.56	50 - 150	30	
Methoxychlor	16.7	16.6	99.4	16.7	16.5	98.7	0.626	55 - 145	30	
Endrin ketone	16.7	15.2	91.1	16.7	14.9	89.6	1.62	60 - 120	30	
Endrin aldehyde	16.7	12.2	73.1	16.7	11.8	70.9	3.05	35 - 110	30	
alpha Chlordane	16.7	15.6	93.8	16.7	14.8	88.9	5.37	65 - 130	30	
gamma Chlordane	16.7	15.6	93.6	16.7	14.9	89.6	4.30	55 - 135	30	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
Decachlorobiphenyl	103	101	33 - 143	PASS
2,4,5,6-Tetrachloro-m-xylene	84.7	80.5	39 - 130	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1236006
Report generated: 10/30/2008 11:59

2.1.2 PCB GC Data (8082)

2.1.2.1 Summary Data

Microbac Laboratories Inc.
GC PCB

Microbac Login No: L08100686

METHOD

Preparation: SW- 846 3550B(Soils)/3510C(Waters)/3580A (Waste dilution)

Analysis: SW-846 8082

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 20 %, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 30-OCT-08
Michael Cadwell

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	8082	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number:	L08100686-01	PrePrep Method:	NONE	Instrument:	HP9
Client ID:	BF-001	Prep Method:	3550B	Prep Date:	10/27/2008 08:00
Matrix:	Soil	Analytical Method:	8082	Cal Date:	07/23/2008 14:12
Workgroup Number:	WG286342	Analyst:	ECL	Run Date:	10/29/2008 10:46
Collect Date:	10/22/2008 11:30	Dilution:	1	File ID:	9GR49627.R
Sample Tag:	01	Units:	ug/kg	Percent Solid:	85.4

Analyte	CAS. Number	Result	Qual	RL	MDL
Aroclor-1016	12674-11-2		U	19.2	9.61
Aroclor-1221	11104-28-2		U	19.2	9.61
Aroclor-1232	11141-16-5		U	19.2	9.61
Aroclor-1242	53469-21-9		U	19.2	9.61
Aroclor-1248	12672-29-6		U	19.2	9.61
Aroclor-1254	11097-69-1		U	19.2	9.61
Aroclor-1260	11096-82-5		U	19.2	9.61

Surrogate	% Recovery	Lower	Upper	Qual
2,4,5,6-Tetrachloro-M-Xylene	85.9	29	133	
Decachlorobiphenyl	82.1	30	173	

U Not detected at or above adjusted sample detection limit

Microbac®

2.1.2.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08100686
Blank File ID: 9GR49624.R
Prep Date: 10/27/08 08:00
Analyzed Date: 10/29/08 09:53
Analyst: ECL

Work Group: WG286342
Blank Sample ID: WG286067-01
Instrument ID: HP9
Method: 8082

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG286067-02	9GR49625.R	10/29/08 10:11	01
LCS2	WG286067-03	9GR49626.R	10/29/08 10:29	01
BF-001	L08100686-01	9GR49627.R	10/29/08 10:46	01

Report Name: BLANK_SUMMARY
PDF File ID: 1236243
Report generated 10/30/2008 14:03

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08100686 Prep Date: 10/27/08 08:00 Sample ID: WG286067-01
Instrument ID: HP9 Run Date: 10/29/08 09:53 Prep Method: 3550B
File ID: 9GR49624.R Analyst: ECL Method: 8082
Workgroup (AAB#): WG286342 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP9-23-JUL-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Aroclor-1016	8.25	16.5	8.25	1	U
Aroclor-1221	8.25	16.5	8.25	1	U
Aroclor-1232	8.25	16.5	8.25	1	U
Aroclor-1242	8.25	16.5	8.25	1	U
Aroclor-1248	8.25	16.5	8.25	1	U
Aroclor-1254	8.25	16.5	8.25	1	U
Aroclor-1260	8.25	16.5	8.25	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4,5,6-Tetrachloro-M-Xylene	84.7	29 - 133	PASS
Decachlorobiphenyl	87.1	30 - 173	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1236244
30-OCT-2008 14:03

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08100686 Analyst: ECL Prep Method: 3550B
Instrument ID: HP9 Matrix: Soil Method: 8082
Workgroup (AAB#): WG286342 Units: ug/kg
QC Key: STD Lot #: STD28665

Sample ID: WG286067-02 LCS File ID: 9GR49625.R Run Date: 10/29/2008 10:11
Sample ID: WG286067-03 LCS2 File ID: 9GR49626.R Run Date: 10/29/2008 10:29

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
Aroclor-1016	83.3	80.8	97.0	83.3	87.0	104	7.35	40 - 140	40	
Aroclor-1260	83.3	79.7	95.6	83.3	86.6	104	8.25	60 - 130	40	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4,5,6-Tetrachloro-M-Xylene	85.6	95.0	29 - 133	PASS
Decachlorobiphenyl	90.8	99.9	30 - 173	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1236245
Report generated: 10/30/2008 14:03

2.1.3 Herbicide GC Data (8151)

2.1.3.1 Summary Data

Microbac Laboratories Inc.
GC HERBICIDES

Microbac Login No: L08100686

METHOD

Preparation: SW- 846 8151A

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds which yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibraton: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Surrogates: All acceptance criteria were met.

Samples: For all samples which yielded results with an RPD of greater than 40% between the primary and confirmation column the appropriate flag was applied. All acceptance criteria were met.

Manual Integration Reason Codes

Microbac laboratory management has identified four general cases with valid reasons supporting the use of manual integration techniques.

Reason #1: Data System Fails to Select Correct Peak
In some cases the chromatography system selects and integrates the ”wrong peak”. In this case the analyst must

correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak.
This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds.
This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline
There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous
Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: ECL

Approved: 31-OCT-08
Hema Velasagar

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	8151A	1	23-OCT-08

Report Number: **L08100686**
Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG286339**
Collect Date: **10/22/2008 11:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **METHOD**
Analytical Method: **8151A**
Analyst: **ECL**
Dilution: **1**
Units: **ug/kg**

Instrument: **HP17**
Prep Date: **10/27/2008 08:00**
Cal Date: **10/30/2008 18:05**
Run Date: **10/31/2008 02:50**
File ID: **17G2766.F**
Percent Solid: **85.4**

Analyte	CAS. Number	Result	Qual	RL	MDL
2,4-D	94-75-7		U	46.7	23.3
2,4-DB	94-82-6		U	46.7	23.3
2,4,5-T	93-76-5		U	4.67	2.33
2,4,5-TP (Silvex)	93-72-1		U	3.50	1.75
Dalapon	75-99-0		U	117	58.3
Dicamba	1918-00-9		U	4.67	2.33
Dichloroprop	120-36-5		U	46.7	23.3
Dinoseb	88-85-7		U	23.3	11.7
MCPA	94-74-6		U	4670	2330
MCPP	93-65-2		U	4670	2330
Pentachlorophenol	87-86-5		U	4.67	2.33

Surrogate	% Recovery	Lower	Upper	Qual
2,4-Dichlorophenylacetic acid	70.8	25	110	

U Not detected at or above adjusted sample detection limit

2.1.3.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08100686
Blank File ID: 17G2761.F
Prep Date: 10/27/08 08:00
Analyzed Date: 10/31/08 00:32
Analyst: ECL

Work Group: WG286339
Blank Sample ID: WG286065-01
Instrument ID: HP17
Method: 8151A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG286065-02	17G2762.F	10/31/08 01:00	01
LCS2	WG286065-03	17G2763.F	10/31/08 01:27	01
BF-001	L08100686-01	17G2766.F	10/31/08 02:50	01

Report Name: BLANK_SUMMARY
PDF File ID: 1237783
Report generated 10/31/2008 15:52

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08100686 Prep Date: 10/27/08 08:00 Sample ID: WG286065-01
Instrument ID: HP17 Run Date: 10/31/08 00:32 Prep Method: METHOD
File ID: 17G2761.F Analyst: ECL Method: 8151A
Workgroup (AAB#): WG286339 Matrix: Soil Units: ug/kg
Contract #: Cal ID: HP17-30-OCT-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
2,4-D	20.0	40.0	20.0	1	U
2,4-DB	20.0	40.0	20.0	1	U
2,4,5-T	2.00	4.00	2.00	1	U
2,4,5-TP (Silvex)	1.50	3.00	1.50	1	U
Dalapon	50.0	100	50.0	1	U
Dicamba	2.00	4.00	2.00	1	U
Dichloroprop	20.0	40.0	20.0	1	U
Dinoseb	10.0	20.0	10.0	1	U
MCPA	2000	4000	2000	1	U
MCPP	2000	4000	2000	1	U
Pentachlorophenol	2.00	4.00	2.00	1	U

Surrogates	% Recovery	Surrogate Limits	Qualifier
2,4-Dichlorophenylacetic acid	62.1	25 - 110	PASS

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1237784
31-OCT-2008 15:53

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08100686 Analyst: ECL Prep Method: METHOD
Instrument ID: HP17 Matrix: Soil Method: 8151A
Workgroup (AAB#): WG286339 Units: ug/kg
QC Key: STD Lot #: STD25800

Sample ID: WG286065-02 LCS File ID: 17G2762.F Run Date: 10/31/2008 01:00
Sample ID: WG286065-03 LCS2 File ID: 17G2763.F Run Date: 10/31/2008 01:27

Analytes	LCS			LCS2			%RPD	%Rec Limits	RPD Lmt	Q
	Known	Found	% REC	Known	Found	% REC				
2,4-D	100	113	113	100	99.1	99.1	12.9	35 - 145	50	
2,4-DB	100	85.8	85.8	100	74.9	74.9	13.6	25 - 150	50	
2,4,5-T	10.0	14.1	141	10.0	12.3	123	13.0	35 - 145	50	
2,4,5-TP (Silvex)	10.0	9.21	92.1	10.0	7.51	75.1	20.3	30 - 110	50	
Dalapon	250	173	69.2	250	145	57.9	17.7	30 - 100	50	
Dicamba	10.0	11.4	114	10.0	8.89	88.9	25.2	30 - 150	50	
Dichloroprop	100	86.1	86.1	100	75.0	75.0	13.7	40 - 130	50	
Dinoseb	50.0	51.9	104	50.0	44.1	88.2	16.3	35 - 120	50	
MCPA	10000	8400	84.0	10000	7490	74.9	11.5	30 - 120	50	
MCPP	10000	9200	92.0	10000	6730	67.3	30.9	40 - 120	50	
Pentachlorophenol	10.0	7.57	75.7	10.0	6.45	64.5	16.1	40 - 110	50	

Surogates	LCS	LCS2	Surrogate Limits	Qualifier
	% Recovery	% Recovery		
2,4-Dichlorophenylacetic acid	77.5	72.4	25 - 110	PASS

* FAILS %REC LIMIT

\# FAILS RPD LIMIT

LCS_LCS2 - Modified 03/06/2008
PDF File ID: 1237785
Report generated: 10/31/2008 15:53

2.2 Metals Data

2.2.1 Metals I C P Data

2.2.1.1 Summary Data

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	6010B	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Leachate**
Workgroup Number: **WG285954**
Collect Date: **10/22/2008 11:30**
Sample Tag: **01**

PrePrep Method: **1311**
Prep Method: **3015**
Analytical Method: **6010B**
Analyst: **ED**
Dilution: **1**
Units: **mg/L**

Instrument **PE-ICP2**
Prep Date: **10/24/2008 08:09**
Cal Date: **10/30/2008 09:57**
Run Date **10/30/2008 19:56**
File ID: **P2.103008.195633**

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Silver, TCLP	7440-22-4		U	.1	.05	D011	5
Arsenic, TCLP	7440-38-2		U	1	.1	D004	5
Barium, TCLP	7440-39-3	0.379	J	5	.025	D005	100
Cadmium, TCLP	7440-43-9		U	.1	.025	D006	1
Chromium, TCLP	7440-47-3	0.0347	J	.2	.025	D007	5
Lead, TCLP	7439-92-1		U	1	.1	D008	5
Selenium, TCLP	7782-49-2		U	.8	.5	D010	1

U Not detected at or above adjusted sample detection limit
J The analyte was positively identified, but the quantitation was below the RL

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2.2.1.2 QC Summary Data

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08100686
Blank File ID: P2.103008.184018
Prep Date: 10/24/08 08:09
Analyzed Date: 10/30/08 18:40
Analyst: ED

Work Group: WG285954
Blank Sample ID: WG285909-02
Instrument ID: PE-ICP2
Method: 6010B

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG285909-03	P2.103008.184632	10/30/08 18:46	01
BF-001	L08100686-01	P2.103008.195633	10/30/08 19:56	01

Report Name: BLANK_SUMMARY
PDF File ID: 1237770
Report generated 10/31/2008 12:23

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08100686 Prep Date: 10/24/08 08:09 Sample ID: WG285909-02
Instrument ID: PE-ICP2 Run Date: 10/30/08 18:40 Prep Method: 3015
File ID: P2.103008.184018 Analyst: ED Method: 6010B
Workgroup (AAB#): WG285954 Matrix: Leachate Units: mg/L
Contract #: Cal ID: PE-ICP-30-OCT-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Silver, TCLP	0.0500	0.100	0.0500	1	U
Arsenic, TCLP	0.100	1.00	0.100	1	U
Barium, TCLP	0.0250	5.00	0.0250	1	U
Cadmium, TCLP	0.0250	0.100	0.0250	1	U
Chromium, TCLP	0.0250	0.200	0.0250	1	U
Lead, TCLP	0.100	1.00	0.100	1	U
Selenium, TCLP	0.500	0.800	0.500	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1237771
31-OCT-2008 12:23

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08100686 Run Date: 10/30/2008 Sample ID: WG285909-03
Instrument ID: PE-ICP2 Run Time: 18:46 Prep Method: 3015
File ID: P2.103008.184632 Analyst: ED Method: 6010B
Workgroup (AAB#): WG285954 Matrix: Leachate Units: mg/L
QC Key: STD Lot#: STD27612 Cal ID: PE-ICP-30-OCT-08

Analytes	Expected	Found	% Rec	LCS Limits	Q
Silver, TCLP	0.200	0.231	115	80 - 120	
Arsenic, TCLP	0.200	0.218	109	80 - 120	
Barium, TCLP	0.500	0.568	114	80 - 120	
Cadmium, TCLP	0.0250	0.0277	111	80 - 120	
Chromium, TCLP	0.250	0.288	115	80 - 120	
Lead, TCLP	0.250	0.279	112	80 - 120	
Selenium, TCLP	0.200	0.224	112	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1237772
Report generated: 10/31/2008 12:23

2.2.2 Metals CVAA Data (Mercury)

2.2.2.1 Summary Data

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	7470A	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Leachate**
Workgroup Number: **WG286251**
Collect Date: **10/22/2008 11:30**
Sample Tag: **01**

PrePrep Method: **1311**
Prep Method: **7470A**
Analytical Method: **7470A**
Analyst: **SLP**
Dilution: **1**
Units: **mg/L**

Instrument: **HYDRA**
Prep Date: **10/24/2008 07:34**
Cal Date: **10/28/2008 10:45**
Run Date: **10/28/2008 11:45**
File ID: **HY.102808.114517**

Analyte	CAS.Number	Result	Qual	RL	MDL	EPA HW#	Reg. Limit
Mercury, TCLP	7439-97-6		U	.005	.001	D009	0.2

U Not detected at or above adjusted sample detection limit

2.2.2.2 QC Summary

Microbac Laboratories Inc.

METHOD BLANK SUMMARY

Login Number: L08100686
Blank File ID: HY.102808.105441
Prep Date: 10/24/08 07:34
Analyzed Date: 10/28/08 10:54
Analyst: SLP

Work Group: WG286251
Blank Sample ID: WG285904-02
Instrument ID: HYDRA
Method: 7470A

This Method Blank Applies To The Following Samples:

Client ID	Lab Sample ID	Lab File ID	Time Analyzed	TAG
LCS	WG285904-03	HY.102808.105820	10/28/08 10:58	01
BF-001	L08100686-01	HY.102808.114517	10/28/08 11:45	01

Report Name: BLANK_SUMMARY
PDF File ID: 1237666
Report generated 10/31/2008 11:24

Microbac Laboratories Inc.

METHOD BLANK REPORT

Login Number: L08100686 Prep Date: 10/24/08 07:34 Sample ID: WG285904-02
Instrument ID: HYDRA Run Date: 10/28/08 10:54 Prep Method: 7470A
File ID: HY.102808.105441 Analyst: SLP Method: 7470A
Workgroup (AAB#): WG286251 Matrix: Leachate Units: mg/L
Contract #: Cal ID: HYDRA-28-OCT-08

Analytes	MDL	RL	Concentration	Dilution	Qualifier
Mercury, TCLP	0.00100	0.00500	0.00100	1	U

MDL Method Detection Limit
RL Reporting/Practical Quantitation Limit
ND Analyte Not detected at or above reporting limit
* |Analyte concentration| > RL

Report Name: BLANK
PDF ID: 1237667
31-OCT-2008 11:24

Microbac Laboratories Inc.
LABORATORY CONTROL SAMPLE (LCS)

Login Number: L08100686 Run Date: 10/28/2008 Sample ID: WG285904-03
Instrument ID: HYDRA Run Time: 10:58 Prep Method: 7470A
File ID: HY.102808.105820 Analyst: SLP Method: 7470A
Workgroup (AAB#): WG286251 Matrix: Leachate Units: mg/L
QC Key: STD Lot#: STD29483 Cal ID: HYDRA-28-OCT-08

Analytes	Expected	Found	% Rec	LCS Limits	Q
Mercury, TCLP	0.00400	0.00415	104	80 - 120	

LCS - Modified 03/06/2008
PDF File ID: 1237668
Report generated: 10/31/2008 11:24

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	D2216-90	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG286092**
Collect Date: **10/22/2008 11:30**
Sample Tag: **01**

PrePrep Method: **NONE**
Prep Method: **D2216-90**
Analytical Method: **D2216-90**
Analyst: **JDH**
Dilution: **1**
Units: **weight %**

Instrument: **BAL001**
Prep Date: **10/28/2008 13:45**
Cal Date:
Run Date: **10/28/2008 13:45**
File ID: **B1.286092-0104**

Analyte	CAS. Number	Result	Qual	RL	MDL
Percent Solids	**10-02-6**	**85.4**		**1.00**	**1.00**

2.3 General Chemistry Data

Microbac Laboratories Inc.
GENERAL CHEMISTRY

Microbac Login No: L08100686

METHOD

Analysis: See report for method reference.

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: All acceptance criteria were met.

Duplicates: All acceptance criteria were met.

Matrix Spikes: All acceptance criteria were met.

SAMPLES

There were no technical difficulties with the sample group.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Analyst: DIH

Approved: 31-OCT-08
Dennad Isson

2.3.2 Reactive Sulfide Data

2.3.2.1 Summary Data

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	SW7.34	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG286101**
Collect Date: **10/22/2008 11:30**

PrePrep Method: **NONE**
Prep Method: **SW7.34**
Analytical Method: **SW7.34**
Analyst: **DLP**
Dilution: **1**
Units: **mg/kg**

Instrument: **BURET**
Prep Date: **10/27/2008 15:00**
Cal Date:
Run Date: **10/27/2008 15:00**
File ID: **ET.0810271500-06**

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Sulfide	18496-25-8		U	100	50.0

U Not detected at or above adjusted sample detection limit

2.3.2.2 QC Summary Data

2.3.3 PH Data

2.3.3.1 Summary Data

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	9045D	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG285875**
Collect Date: **10/22/2008 11:30**

PrePrep Method: **NONE**
Prep Method: **9045D**
Analytical Method: **9045D**
Analyst: **JBK**
Dilution: **1**
Units: **UNITS**

Instrument: **ORION-4STA**
Prep Date: **10/23/2008 15:50**
Cal Date:
Run Date: **10/23/2008 15:50**
File ID: **OS08102415344001**

Analyte	CAS. Number	Result	Qual	RL	MDL
Corrosivity pH	10-29-7	6.59			

2.3.3.2 QC Summary Data

2.3.4 Reactive Cyanide Data

2.3.4.1 Summary Data

LABORATORY REPORT

L08100686

11/03/08 10:40

Submitted By

Microbac Laboratories Inc.
158 Starlite Drive
Marietta , OH 45750
(740) 373 - 4071

For

Account Name: Toltest
Toltest
508 W. Elnora St.
Odon, IN 47562
Attention: Brian Morgan

Project Number: 2792.015
Project: Crane Mine Fill B - SMU13
Site: CRANE WEAPONS BASE

Sample Analysis Summary

Client ID	Lab ID	Method	Dilution	Date Received
BF-001	L08100686-01	SW7.33	1	23-OCT-08

Microbac Laboratories Inc.

Report Number: **L08100686**

Report Date : **November 3, 2008**

Sample Number: **L08100686-01**
Client ID: **BF-001**
Matrix: **Soil**
Workgroup Number: **WG286098**
Collect Date: **10/22/2008 11:30**

PrePrep Method: **NONE**
Prep Method: **SW7.33**
Analytical Method: **SW7.33**
Analyst: **JBK**
Dilution: **1**
Units: **mg/kg**

Instrument: **UV-120-1V**
Prep Date: **10/27/2008 14:50**
Cal Date:
Run Date: **10/27/2008 14:50**
File ID: **1V.0810271450-05**

Analyte	CAS. Number	Result	Qual	RL	MDL
Reactivity, Cyanide	57-12-5		U	49.0	24.5

U Not detected at or above adjusted sample detection limit

2.3.4.2 QC Summary Data

3.0 Attachments

Microbac Laboratories Inc.
Analyst Listing
November 3, 2008

ADC – ANTHONY D. CANTER	AJF – AMANDA J. FICKIESEN	ALB – ANNIE L. BROWN
AM – ALISON J. MILLER	AML – ANTHONY M. LONG	BRG – BRENDA R. GREGORY
CAA – CASSIE A. AUGENSTEIN	CAF – CHERYL A. FLOWERS	CAH – CHARLES A. HALL
CEB – CHAD E. BARNES	CLC – CHRYS L. CRAWFORD	CLW – CHARISSA L. WINTERS
CMS – CRYSTAL M. STEPHENS	CPD – CHAD P. DAVIS	CSH – CHRIS S. HILL
CTB – CHRIS T. BUCINA	DDE – DEBRA D. ELLIOTT	DEL – DON E. LIGHTFRITZ
DEV – DAVID E. VANDENBERG	DGB – DOUGLAS G. BUTCHER	DIH – DEANNA I. HESSON
DLB – DAVID L. BUMGARNER	DLP – DOROTHY L. PAYNE	DLR – DIANNA L. RAUCH
DR – DEANNA ROBERTS	DSF – DEBRA S. FREDERICK	EAB – EDDIE A. BYERS
ECL – ERIC C. LAWSON	ED – EMILY E. DECKER	EDA – ERIN D. AGEE
EDH – ETHAN D. MORRIS	ERP – ERIN R. PORTER	FJB – FRANCES J. BOLDEN
HAV – HEMA VILASAGAR	HJR – HOLLY J. REED	JBK – JEREMY B. KINNEY
JC – JOHN L. CONLEY	JDH – JUSTIN D. HESSON	JKP – JACQUELINE K. PARSONS
JKT – JANE K. THOMPSON	JWR – JOHN W. RICHARDS	JWS – JACK W. SHEAVES
JYH – JI Y. HU	KEB – KATHRYN E. BARNES	KHR – KIM H. RHODES
KJW – KATIE J. WIEFERICH	KRA – KATHY R. ALBERTSON	LKN – LINDA K. NEDEFF
LSB – LESLIE S. BUCINA	MDA – MIKE D. ALBERTSON	MDC – MICHAEL D. COCHRAN
MES – MARY E. SCHILLING	MMB – MAREN M. BEERY	MRT – MICHELLE R. TAYLOR
MSW – MATT S. WILSON	NPM – NATHANIEL P. MILLER	PDM – PIERCE D. MORRIS
RAH – ROY A. HALSTEAD	RB – ROBERT BUCHANAN	REK – ROBERT E. KYER
RLK – ROBIN L. KLINGER	RWC – RODNEY W. CAMPBELL	SAV – SARAH A. VANDENBERG
SDH – SHANA D. HINYARD	SDL – SHELLY D. LENT	SLM – STEPHANIE L. MOSSBURG
SLP – SHERI L. PFALZGRAF	SMH – SHAUNA M. HYDE	TDH – TRICIA D. HUCK
TIP – TAE I. PARRISH	TMB – TIFFANY M. BAILEY	TMM – TAMMY M. MORRIS
VC – VICKI COLLIER	WTD – WADE T. DELONG	

Microbac Laboratories Inc.
List of Valid Qualifiers
November 03, 2008

Qualkey: STD

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
B3	Target analyte detected in calibration blank at or above the method reporting limit
C	Confirmed by GC/MS
CG	Confluent growth
D1	Sample required dilution due to matrix.
D2	Sample required dilution due to high concenration of target analyte.
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
E1	Concentration estimated. Analyte exceeded calibration range. Insufficient sample for reanalysis.
E2	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to matrix.
E3	Concentration estimated. Analyte exceeded calibration range. Reanalysis not performed due to holding time requirements
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
M1	Matrix spike recovery was high; the assocated blank spike recovery was acceptable.
M2	Matrix spike recovery was low; the assocated blank spike recovery was acceptable.
M3	The spike recovery value is unusable since the analyte concentration is disproportionate to the spike level.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND	Not detected at or above the reporting limit
ND, L	Not detected; sample reporting limit (RL) elevated due to interference
ND, S	Not detected; analyzed by method of standard addition (MSA)
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria fail. See narrative.
Q1	Sample integraity was not maintained. See report narrative.
QNS	Quantity of sample not sufficient to perform analysis
R1	Duplicate RPD/RSD exceeded the method acceptance limit.
R2	Duplicate RPD/RSD exceeded the laboratory acceptance limit.
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Undetected; the concentration is below the reported MDL.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.
V2	CCV recovery was above method acceptance limits. Insufficient volume for sample reanalysis.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below

*****Special Notes for Organic Analytes**

Microbac®

Microbac Laboratories Inc.
List of Valid Qualifiers
November 03, 2008

Qualkey: STD

1. Acrolein and acrylonitrile by method 624 are semi-quantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methylphenol and 4-Methylphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound an are matrix dependent.

Microbac®

TOLTEST INC.

1915 N. 12th St., P.O. Box 2186, Toledo, OH 43603-2186; Voice (419) 241-7175, Fax (419) 321-6259
Ship To Address: ATTN: RECEIVING LAB, 1810 N. 12th St., Toledo, OH 43604-1304; Voice (419) 241-7175, Fax (419) 241-1808
Sent From: ☐ Corporate ☐ Plymouth ☐ Pittsburgh ☒ Other ODON, IN.

Chain of Custody Record

39474 Page 01 of 01

Project No.: 22367.01
Client: NSA Crane
P.O. No.: P.004089
Project/Location: Crane, Indiana / SWMU 13
Project Mgr.: Brian Morgan
Sampler's Name: Marty Endris
Phone No.: 812.636.8501
Sampler's Signature: Marty V. Endris

Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Sample Location	Total No. of Containers	TCLP RCRA 8	Ph	Reactivity	PCB	Pesticide	Herbicide			Preserved Yes/No	LAB USE ONLY Lab #
1	BF-001	10/22 2008	11:30 a	Comp SL →	SL	Sycamore Ridge L.F. / South pit.	4	✓	✓	✓	✓	✓	✓			N	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
#1	Marty Endris	10-22 2008 / 1500		
			Ann Porter	10-23-08 / 0925

Parameters

LAB USE ONLY

Were samples delivered ☐ in person ☐ by courier
Were samples preserved ☐ in field ☐ in lab ☐ N/A
Temp of samples ____ °C
Did samples arrive intact and sealed? ☐ yes ☐ no ☐ N/A
Were proper containers used? ☐ yes ☐ no
Was container labeled properly for contents? ☐ yes ☐ no
Were samples packaged properly for type of material? ☐ yes ☐ no
Was shipping label completed properly per regulations? (49 CFR 170, etc.) ☐ yes ☐ no
Comments: ____

TAT

Distribution: Original plus one accompanies shipment (white and yellow); copy to coordinator file (files (pink)

Rev. 4/99

Microbac Laboratories, Inc.

SAMPLE RECEIPT FORM

158 Starlite Drive
Marietta, OH 45750
(740) 373-4071

Client: Tolkest	
Workorder Number: B 19847-03	
Date Received: 10-23-08	
Delivered by: ( ) Fedx (✓) UPS ( ) Client ( ) Courier	**Time:** 0925
Opened by: ERP	
IR Temp Gun: ( ) D (✓) G	
Logged by: ERP/JLT/KRA	L08100686

Cooler information

Cooler ID	Temp C	Airbill#	COC#	Other
3079	2	1ZX908F0019146908		Soil

Inspection Checklist	Y	N	NA	Discrepancy ID
Were shipping coolers sealed?	✓			
Were custody seals intact?		✓		1
Were cooler temperatures in range of 0 - 6?	✓			
Was ice present?	✓			
Were COC's received/ information complete/signed and dated?	✓			
Were sample containers and labels intact and match COC?	✓			
Were the correct containers and volumes received?	✓			
Were correct preservatives used? (water only)			✓	
Were pH ranges acceptable? (voa's excluded)			✓	
Were VOA samples free of headspace (< 6mm)?			✓	
Were samples received within EPA hold times?	✓			

Discrepancy/Comments/Other Problems

1) Broken Seal + Tape

Distribution

Name of Microbac representative:	
Client/Company:	
Person Contacted:	
Date contacted:	

Resolution/other comments:

Microbac Laboratories Inc.

Internal Chain of Custody Report

Login: L08100686
Account: 2792
Project: 2792.015
Samples: 1
Due Date: 03-NOV-2008

Samplenum	Container ID	Products
L08100686-01	516585	8151

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	WET	23-OCT-2008 11:47	ERE	
2	PREP	WET	EXT	27-OCT-2008 06:38	CEB	JDH
3	EXTRACT	EXT	SEMI	27-OCT-2008 06:50		CEB
4	STORE	EXT	W1	27-OCT-2008 10:49	JKT	CEB

Samplenum	Container ID	Products
L08100686-01	516586	REACTC REACTS

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	23-OCT-2008 11:47	ERE	
2	ANALYZ	W1	WET	23-OCT-2008 13:23	JDH	ERE
3	STORE	WET	A2	29-OCT-2008 08:31	JKT	JBK

Samplenum	Container ID	Products
L08100686-01	516584	TC-EX

Bottle: 1

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	23-OCT-2008 11:47	ERE	
2	PREP	W1	TCL	23-OCT-2008 12:47	RWC	ERE
3	STORE	TCL	W1	23-OCT-2008 13:02	ERE	RWC

Bottle: 2

Seq.	Purpose	From	To	Date/Time	Accept	Relinquish
1	LOGIN	COOLER	W1	23-OCT-2008 11:47	ERE	
2	PREP	W1	TCL	23-OCT-2008 12:47	RWC	ERE
3	STORE	TCL	W1	23-OCT-2008 13:02	ERE	RWC

A1 - Sample Archive (COLD)
A2 - Sample Archive (AMBIENT)
F1 - Volatiles Freezer in Login
V1 - Volatiles Refrigerator in Login
W1 - Walkin Cooler in Login

APPENDIX G

WASTE DISPOSAL FACILITY PERMITS

UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY
REGION V
111 West Jackson Blvd.
CHICAGO, ILLINOIS 60604

REPLY TO ATTENTION OF: RCRA ACTIVITIES

DEC 9 1982

PRICE KENNETH PRESIDENT
ILWD INC
7901 WEST MORRIS ST
INDIANAPOLIS IN 46231
FACILITY: RURAL ROUTE NO 1
LOCATION: ROACHDALE IN 46172
ID NO.: INT190019984

Dear Applicant:

RE: U.S. EPA Identification Number Change

This is to inform you that the United States Environmental Protection Agency (U.S. EPA) will be changing your temporary (T) identification number to a permanent (D) one. The label below shows your current temporary number as "OLD T NO." and the new permanent number as "NEW D NO."

OLD I.D. NO.: INT190019984

NEW I.D. NO.: IND980503890

In order to provide your facility with adequate time to convert to the permanent U.S. EPA identification number, we will make the change in our computer system effective January 1, 1983. This will allow you to use your temporary identification number until the end of the calendar year and, thus, cover all 1982 hazardous waste handled under one number for your annual report.

We have coordinated the identification number change with your State hazardous waste management office. The State has a listing of your old and new numbers.

Please contact Mr. Arthur Kawatachi of my staff at (312) 886-7449, if you have any questions regarding this matter.

Sincerely yours,

Karl J. Klepitsch, Jr., Chief
Waste Management Branch

cc: Facility owner

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5

HAZARDOUS WASTE MANAGEMENT FACILITY PERMIT

Facility Name and Location: **Heritage Environmental Services, LLC**
4370 West County Road 1275 North
Roachdale, Indiana 46172

Owner: **Heritage Environmental Services, LLC**
7901 West Morris Street
Indianapolis, Indiana 46231

Operator: **Heritage Environmental Services, LLC**
7901 West Morris Street
Indianapolis, Indiana 46231

U.S. EPA Identification Number: **IND 980 503 890**

Effective Date: **30 Days from Issuance Date of the Final Permit**

Expiration Date: **5 Years After the Effective Date of the Final permit**

Authorized Activities:

The United States Environmental Protection Agency ("U.S. EPA") hereby issues a Resource Conservation and Recovery Act permit (hereinafter referred to as the "permit") to Heritage Environmental Services, LLC (hereinafter referred to as the "Permittee" or addressed in the second person as "you") in connection with the hazardous waste treatment operations at the Heritage Environmental Services, LLC facility located in Roachdale, Indiana.

This permit is issued under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, and the Hazardous and Solid Waste Amendments ("HSWA") of 1984 (42 USC § 6901 *et seq.*) (collectively referred to as "RCRA") and U.S. EPA's regulations promulgated thereunder (codified, and to be codified, in Title 40 of the Code of Federal Regulations ("40 CFR")).

Specifically, this permit addresses hazardous waste codes in 40 CFR 261 Subpart D that the Indiana Department of Environmental Management is not authorized to implement.

The RCRA permit consists of both this permit, which contains the effective Federal RCRA permit conditions, and the effective State RCRA permit conditions issued by the State of Indiana's RCRA program authorized under 40 CFR Part 271 (hereinafter called the "State RCRA

permit"). Any hazardous waste activity, which requires a RCRA permit and is not included in the RCRA permit, is prohibited.

Permit Approval:

On January 31, 1986, the State of Indiana received final authorization pursuant to Section 3006 of RCRA, 42 USC § 6926, and 40 CFR Part 271, to administer the pre-HSWA RCRA hazardous waste program. The State of Indiana has also received final authorization to administer certain additional RCRA requirements on several occasions since then. However, because the U.S. EPA has not yet authorized the State of Indiana to administer the RCRA requirements for some hazardous waste codes, the U.S. EPA Region 5 is issuing the RCRA permit requirements for operations at the Permittee's facility that manage these hazardous wastes.

You must comply with all terms and conditions contained in this permit. This permit consists of all the conditions contained herein, the documents attached hereto, all documents cross-referenced in these documents, approved submittals (including plans, schedules and other documents), the applicable regulations in 40 CFR Parts 124, 260, 261, 262, 264, 268, 270, and applicable provisions of RCRA.

This permit is based on the assumption that the information submitted in the Permittee's RCRA Part B Permit Renewal Application dated March 6, 2003 and all other modifications to that application (hereinafter referred to as the "Part B Permit Application") is accurate, and the facility is configured, operated and maintained as specified in the permit and as described in the Part B Permit Application and other relevant documents.

Any inaccuracies in the submitted information may be grounds for the U.S. EPA to terminate, revoke and reissue, or modify this permit in accordance with 40 CFR §§ 270.41, 270.42 and 270.43; and for enforcement action. You must inform the U.S. EPA of any deviation from, or changes in, the information in the Part B Permit Application and other pertinent documents that might affect your ability to comply with the applicable regulations or conditions of this permit.

Opportunity to Appeal:

Petitions for review must be submitted within 30 days after the U.S. EPA serves notice of the final permit decision. Any person who filed comments on the draft permit or participated in the public hearing may petition the Environmental Appeals Board to review any condition of the permit decision. Any person who failed to file comments or failed to participate in the public hearing on the draft permit may file a petition for review only to the extent of the changes from the draft to the final permit decision. The procedures for permit appeals are found in 40 CFR § 124.19.

Effective Date:

This permit is effective as of **30 Days from Issuance Date of the Final Permit** and will remain in effect until **(5 years After the Effective Date of the Final Permit)**, unless revoked and reissued under 40 CFR § 270.41, terminated under 40 CFR § 270.43, or continued in accordance with 40 CFR § 270.51(a).

By: _____ Date: 3/10/04
for Margaret M. Guerriero, Director
Waste, Pesticides and Toxics Division

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
HAZARDOUS WASTE MANAGEMENT PERMIT

Name of Permittee: Heritage Environmental Services, LLC

Facility Location: 4370 W CR 1275 N Roachdale, Indiana

EPA Identification Number: IND980503890

Issuance Date: February 20, 2004

Effective Date: Fifteen (15) Days From The Receipt of This Notice

Expiration Date: Five (5) Years From The Effective Date

Authorized Activities

Pursuant to Indiana Environmental Statutes (IC 13) and the rules promulgated thereunder and codified in Title 329 of the Indiana Administrative Code, Article 3.1 (329 IAC 3.1), the State permit conditions (hereinafter called the permit) of the Resource Conservation and Recovery Act of 1976 (RCRA) permit are issued to Heritage Environmental Services, LLC (HES) (hereinafter called the Permittee) to operate a hazardous waste landfill located in Roachdale, Indiana, Section 11, Township 16N, Range 5W at latitude 39° 50' 41.4" N and longitude 86° 55' 26.8" W, Russellville Quadrangle, on the U.S. Geological Survey topographic map.

The State RCRA program is authorized under 40 CFR Part 271 and Section 3006 of RCRA to administer the hazardous waste management program in lieu of the Federal program, including administration of most of the Hazardous and Solid Waste Amendments (HSWA) of 1984. Since the State of Indiana has not yet received authorization to administer the most recent hazardous waste program requirements under HSWA, additional permit conditions may be issued by the U.S. EPA to address these new requirements.

RECEIVED
FEB 23 2004

The Permittee is authorized to conduct the following hazardous waste management activities:

	STORAGE		TREATMENT		DISPOSAL
	Container		Tank		Injection Well
	Tanks		Surface Impoundments	X	Landfill
	Waste Pile		Incinerator		Land Application
	Surface Impoundment		Other		

Federal regulations 40 CFR Parts 260 through 270 have been incorporated by reference. Where exceptions to incorporated Federal regulations are necessary, these exceptions will be noted in the text of the State rule 329 IAC 3.1-1-7.

The conditions of this permit were developed in accordance with the following applicable provisions of 329 IAC 3.1:

_X_ ID & Listing of Hazardous Waste
329 IAC 3.1-6
40 CFR 261 Subparts A, B, C, D, and
Appendices I, II, III, VII, VIII, IX, X

_X_ Standards for Owners and Operators of
Treatment, Storage, and Disposal Facilities
329 IAC 3.1-9
40 CFR 264 Subparts A, B, C, D, and E

_X_ Ground Water Protection
329 IAC 3.1-9
40 CFR 264 Subpart F

_X_ Closure and Post-Closure
329 IAC 3.1-9
40 CFR 264 Subpart G

_X_ Financial Requirements
329 IAC 3.1-15

____ Use and Management of Containers
329 IAC 3.1-9
40 CFR 264 Subpart I

____ Tank Systems
329 IAC 3.1-9
40 CFR 264 Subpart J

____ Surface Impoundments
329 IAC 3.1-9
40 CFR 264 Subpart K

____ Waste Piles
329 IAC 3.1-9
40 CFR 264 Subpart L

____ Land Treatment
329 IAC 3.1-9
40 CFR 264 Subpart M

_X_ Landfills
329 IAC 3.1-9
40 CFR 264 Subpart N

____ Incinerators
329 IAC 3.1-9
40 CFR 264 Subpart 0

_X_ Corrective Action for Solid Waste Management Units
329 IAC 3.1-9
40 CFR 264 Subpart S

____ Drip Pads
329 IAC 3.1-9
40 CFR 264 Subpart W

____ Air Emission Standards for Process Vents
329 IAC 3.1-9
40 CFR 264 Subpart AA

___ Air Emission Standards for
Equipment Leaks
329 IAC 3.1-9
40 CFR 264 Subpart BB

___ Air Emission Standards for Tanks
Surface Impoundments and Containers
329 IAC 3.1-9
40 CFR 264 Subpart CC

_X_ Hazardous Waste Permit Programs
329 IAC 3.1-13
40 CFR 270 Subparts A, B, C, and D

_X_ Inspection and Investigation
329 IAC 3.1-1-3 and 329 IAC 3.1-1-4

_X_ Enforcement
329 IAC 3.1-1-5

Permit Approval

The Permittee must comply with all terms and conditions of this permit. This permit consists of the conditions contained herein (including those in any Attachments) and the applicable rules and requirements contained in 329 IAC 3.1 and 40 CFR 260 through 270 as specified in the permit. Applicable rules are those which are in effect on the date of issuance of this permit. (See 329 IAC 3.1-13; 40 CFR 270.32)

This permit is based on the assumption that the information submitted in the permit application attached to the Permittee's letter dated October 10, 1997, and any subsequent amendments (hereafter referred to as the application) is accurate and that the facility has been or will be constructed and/or operated as specified in the application. Any inaccuracies found in the application may be grounds for the modification, revocation and reissuance, or termination of this permit (329 IAC 3.1-13-7), and potential enforcement action. The Permittee must inform the Indiana Department of Environmental Management (IDEM) of any deviation from, or changes in, the information in the application which would affect the Permittee's ability to comply with the applicable rules or permit conditions.

Pursuant to IC 13-15-5-3 and IC 4-21.5-3-5(f), this permit takes effect fifteen (15) days from receipt of this notice. If you wish to challenge this decision, IC 13-15-6-1 and IC 4-21.5-3-7 require that you file a Petition for Administrative Review. If you seek to have the effectiveness of the permit stayed during administrative review, you must also file a Petition for Stay. The petition(s) must be submitted to the Office of Environmental Adjudication, ISTA Building, Suite 618, 150 W. Market Street, Indianapolis, Indiana 46204, within fifteen (15) days after your receipt of this notice. The petition(s) must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision, or otherwise entitled to review by law. Identifying the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, or date of this notice will expedite review of the petition. Additionally, IC 13-15-6-2 requires that a Petition for Administrative Review must include:

1. the name and address of the person making the request;
2. the interest of the person making the request;
3. identification of any persons represented by the person making the request;
4. the reasons, with particularity, for the request;
5. the issues, with particularity, proposed for consideration at the hearing; and
6. identification of the terms of the permit which, in the judgment of the person

making the request, would be appropriate in the case in question to satisfy the requirements of the law governing licenses of the type granted or denied by the Commissioner.

Pursuant to IC 4-21.5-3-1(f), any document serving as a petition for review or review and stay must be filed with the Office of Environmental Adjudication. Filing of such a document is complete on the earliest of the following dates:

1. the date on which the petition is delivered to the Office of Environmental Adjudication, ISTA Building, Suite 618, 150 W. Market Street, Indianapolis, Indiana 46204;

2. the date of the postmark on the envelope containing the petition, if the petition is mailed by United States mail; or

3. the date on which the petition is deposited with a private carrier, as shown by a receipt issued by the carrier, if the petition is sent by private carrier.

The portions of the permit for which a Petition for Stay has been filed will take effect at the expiration of the additional fifteen (15) day period unless or until an Environmental Law Judge stays the permit in whole or in part. This permit shall remain in effect until five (5) years from the effective date unless revoked and reissued, modified, or terminated (329 IAC 3.1-13-7), or continued in accordance with IC 13-15-6-3.

This permit terminates and supersedes any other State hazardous waste management permit.

Issued this 20TH day of FEBRUARY 2004.

By: Bruce H. Palin
Bruce H. Palin
Assistant Commissioner
Office of Land Quality

L. POLYCHLORINATED BIPHENYL REMEDIATION WASTE

1. The Permittee may receive and dispose of polychlorinated biphenyl (PCB) remediation waste from self-implementing on-site cleanups as defined at 40 CFR 761.61(a).

2. The Permittee may receive and dispose of PCB remediation waste which has received risk-based disposal approval from U.S. EPA as allowed by 40 CFR 761.61(c).

3. All PCB remediation waste disposed of at the facility must be accompanied by a Uniform Hazardous Waste Manifest.

4. The Permittee shall maintain at the facility, until closure is completed and all post-closure obligations are met, copies of all manifests for shipments of PCB waste received at and originating from this facility.

5. The Permittee must maintain the following items in the operating record for PCB remediation wastes:

   a. On a map, the exact location and dimensions, including depth, of each cell with respect to permanently surveyed benchmarks; and

   b. The contents of each cell and the approximate location of PCB remediation wastes within each cell.

6. PCB remediation wastes disposed of at the facility shall be covered with daily cover material in the same manner and at the same frequency as hazardous wastes disposed of at the facility according to Attachments D and D(U2) of this permit.

7. If PCBs are detected during ground water monitoring activities, cleanup shall be conducted immediately in accordance with 40 CFR 761.61.

8. Primary leachate from landfill cells containing PCB remediation waste may only be disposed of at a facility regulated under the Clean Water Act (CWA) in accordance with the CWA facility's permit. In the event that the CWA facility's permit does not contain discharge limits for total PCBs, then 3 Φg/L will be the maximum allowable discharge concentration for total PCBs.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor
Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

January 23, 2008

VIA CERTIFIED MAIL 7007 1490 0000 0846 4963

Kevin Walbridge, Vice President
Republic Services of Indiana, Limited Partnership
832 Langsdale Avenue
Indianapolis, Indiana 46202

Dear Mr. Walbridge:

Re: Approval of Renewal of
Solid Waste Facility Permit, FP 84-06
Sycamore Ridge Landfill
Vigo County

The facility permit renewal application for the above-referenced facility received on January 23, 2007, for the Sycamore Ridge Landfill has been reviewed and certified as meeting the requirements of IC 13-15-1-3 and 329 IAC 10-11. This permit renewal applies to the municipal solid waste landfill located at 5621 East Cottom Drive, Pimento in Vigo County, Indiana, which contains approximately 164.75 acres approved for filling. The permittee or operator shall operate this facility according to the terms and requirements of this renewal permit letter and enclosures and the applicable statutes and regulations in effect on the effective date of this renewal. This facility permit renewal FP 84-06 will expire on January 1, 2013.

This permit renewal allows Republic Services of Indiana, Limited Partnership to update the facility design to comply with current rules and allows operations to continue at the facility subject to the terms of this letter and the enclosed requirements. In accordance with 329 IAC 10-13-4, solid waste facility permit FP 84-06 does not authorize: any injury to any person or private property; the invasion of other private rights; the infringement of federal, state, or local laws or regulations; nor preempt any duty to comply with other state or local requirements.

In accordance with 329 IAC 10-13-3, this permit is valid through January 1, 2013. To continue operation past this period, a renewal application in accordance with 329 IAC 10-11-5.1(b) must be submitted a minimum of one hundred twenty (120) days prior to the expiration date of the permit.

Pursuant to IC 4-21.5, a Petition for Review of this permit renewal letter may be initiated by you, as applicant, or by an "aggrieved or adversely affected person." This permit renewal becomes effective once all applicable time periods for petitioning for Stays of Effectiveness have expired, unless you are notified in writing by an Environmental Law Judge that the permit renewal has been further stayed. As discussed in our enclosed Notice of Decision, if you wish to challenge this decision, you must file a Petition for Review with the Office of Environmental Adjudication within eighteen (18) days from the date that this permit renewal letter was mailed, pursuant to IC 4-21.5-3-7.

If you have any questions or comments about your application or the permitting process, call (800) 451-6027, press 0 and ask for Kelly Hall or extension 3-0449, or call direct at (317) 233-0449.

Sincerely,

Thomas Linson, Chief
Permits Branch
Office of Land Quality

Enclosures: Notice of Decision
Letter to the Tribune-Star
Letter to The Weekly
Letter to the Vigo County Public Library
Permit Requirements
Leachate Generation and Recirculation Report

cc: Vigo County Health Department (with enclosure)
The Honorable William Bryan, President, Vigo County Commissioners (with enclosure)
Clay-Owen-Vigo County Solid Waste Management District (with enclosure)
The Honorable Kevin D. Burke, Mayor of Terre Haute (with enclosure)

PERMIT REQUIREMENTS

A. General Permit Requirements

B. Construction Requirements

C. Operational Requirements

D. Gas Emission Control and Monitoring

E. Ground Water Monitoring Requirements

F. Closure Requirements

G. Post-Closure Requirements

H. Financial Responsibility for Closure and Post-Closure

A. GENERAL PERMIT REQUIREMENTS

A1. The permittee shall comply with all the applicable requirements of 329 IAC 10, where not specifically addressed in this permit.

A2. It is recommended that all required submittals be printed double-sided and sent via certified mail. All reports, notifications, ground water reports, and other information required to be submitted by this permit should be sent to:

Ms. Kelly Hall
Indiana Department of Environmental Management
Office of Land Quality
Solid Waste Permits Section - Mail Code 65-45
100 North Senate Avenue, Rm. 1154
Indianapolis, Indiana 46204-2251

A3. The permittee shall report to the Indiana Department of Environmental Management (IDEM) any event which may cause an imminent and substantial endangerment to human health or the environment. This information must be reported orally to IDEM within twenty-four (24) hours from the time the permittee becomes aware of the event. The permittee shall also provide a written report to IDEM within five (5) days of the time of the event. The report shall include for each event: date and time, possible causes, actions taken or planned to correct, reduce, eliminate, and prevent recurrence of the event.

B. CONSTRUCTION REQUIREMENTS

B1. The permittee shall comply with 329 IAC 10-17 (Construction Requirements).

B2. The permittee shall notify IDEM in writing at least fifteen (15) days in advance of the construction of each unit or portion of the unit.

B3. The permittee shall submit a construction certification report as required by 329 IAC 10-19.

B4. All liner and final cover components such as: clay-type soil, drainage material, geomembrane, geotextile, geocomposite, geosynthetic clay liner (GCL), and protective cover, if applicable, must be tested and installed as specified in the approved Construction Quality Assurance (CQA) Plan and the applicable requirements of 329 IAC 10-15-7 and 329 IAC 10-17 except as otherwise noted in this permit.

B5. All leachate collection pipes and sumps shall be free of obstructions prior to placement of waste in a newly constructed unit or portion of the unit.

B6. The base grades for the facility shall be constructed as shown on Sheet 3 of 5 entitled "Proposed Liner Design" revised February 27, 2007 and received by IDEM on February 28, 2007.

B7. Upon selection of the specific geosynthetic materials for the liner and the final cover system components, the permittee shall perform the appropriate tests to document the interface friction values for the geosynthetic materials, soil liner, drainage layer and protective layer to be used in the construction of the facility. In the event that the newly obtained site-specific test results show that the values are less than those assumed in the calculations in the permit application, the permittee shall revise the slope stability analyses to document that the minimum factor of safety has been obtained, as required by 329 IAC 10-15-8, and 329 IAC 10-17, as applicable. The material-specific interface friction values and/or the revised slope stability analyses shall be included in the construction certification report, as required by 329 IAC 10-19.

B8. Replace the leachate collection piping with high permeability gravel so that the leachate head on the liner is less than one (1) foot as required by 329 IAC 10-17-8(a)(3) and in accordance with the minor permit modification approved by IDEM on June 23, 2003.

C. OPERATIONAL REQUIREMENTS

C1. The permittee shall comply with 329 IAC 10-20 (Operational Requirements).

C2. The site benchmark shall be maintained throughout the entire life and post-closure care period of the facility and noted on all submitted maps.

C3. Solid waste disposal shall be limited to the areas delineated by the solid waste boundary line as shown on Sheet 2 of 5, entitled "Existing Site Plan," dated February 27, 2007, and received by IDEM on February 28, 2007.

C4. The permittee shall maintain, as applicable, an adequate leachate storage capacity during the landfill operation and the post-closure period to ensure proper operation of the leachate collection system and compliance with 329 IAC 10-20-20 (the leachate collection system and sump areas located within the waste disposal unit are not considered adequate storage.) The leachate level in the sumps and manholes shall be maintained at the approved depth. The leachate storage shall be operated in an environmentally safe manner. Within twenty-four (24) hours, the permittee shall implement a leachate contingency plan if the facility is not in compliance with 329 IAC 10-20-20.

C5. The permittee shall conduct leachate sampling and analysis as required by the wastewater treatment plant or other leachate disposal facility, as applicable, and the results shall be kept in the facility's operating record. The volume of leachate generated shall be submitted to IDEM on an annual basis on the enclosed "Leachate Generation and

Recirculation Report" or on a similar report developed by the permittee. The annual leachate report must be submitted on or before March 1 of each year for the previous year. The submittal shall include a summary report on leachate recirculation operational performance indicating any problems that may have occurred during the past year such as excessive leachate ponding, odors, leachate seeps, surface leachate runoff and remediation steps taken to correct problems.

C6. Alternative daily cover (ADC) shall be applied in compliance with 329 IAC 10-20-14.1 and the following requirements, only in areas of the landfill that are constructed with a leachate collection system and a composite liner system:

a. ADC materials permitted for use are:

(1) Compost
(2) Types II, III, and IV foundry sand
(3) Plastic tarps and geotextiles
(4) Excluded materials under 329 IAC 10-3-1(1)
(5) Petroleum contaminated soil
(6) Fly ash
(7) Dewatered paper sludge
(8) Altered tires
(9) Shredder fluff, consisting of shredded recycled paper, wood, polymers, and other proprietary ingredients. The spray-on cover shall not be used as an Alternate Daily Cover during moderate and heavy precipitation.
(10) Category A for pathogen reduction dewatered publicly owned treatment works (POTW) sludge

b. All ADC materials listed in Requirement C6.a shall comply with 329 IAC 10-20-14.1(f).

C7. The permittee may recirculate leachate by spraying on the working face "direct application" method and the vertical well injection method in accordance with 329 IAC 10-20-20, 329 IAC 10-20-21 and the following requirements:

The following requirements apply to all methods for leachate recycling:

a. Leachate shall be recycled by using the approved leachate recirculation methods, only in areas of the landfill that are constructed with a composite liner system, and leachate collection system satisfying the requirements of 329 IAC 10-20-21.

b. Leachate shall be recycled at a ratio not exceeding 50 gallons of leachate per ton of waste deposited. The permittee shall maintain in the facility operating records a log documenting the volume of leachate recirculated each day. In the event the permittee is operating a continuous flow meter, the permittee shall keep a log

documenting the amount of leachate recirculated on a bi-monthly basis. This log will be in lieu of the daily log.

c. Whenever leachate recycling is performed, the permittee shall provide a pump with the portable leachate holding tank, or other leachate transport device used, to pick up any spills that may occur. Soils contaminated by any leachate runoff shall be excavated and buried within the working face of the landfill.

d. If leachate is pumped into a portable leachate holding tank or other conveyance used to transport leachate for recirculation, the filling operation shall be only done in an area equipped with a three (3) foot thick pad surrounded by a two (2) foot high berm, both of compacted clay. The filling area pad shall slope a minimum of one (1) percent towards the berm and shall be covered with a hard, driving surface. The filling area may be of an alternative design as approved by the Commissioner if it provides equivalent environmental protection (e.g. a sloped concrete containment pad). Any leachate spills in the leachate loading area must be cleaned up each time the spill occurs.

e. Should the leachate recycling method fail to satisfy the requirements of 329 IAC 10-20-20 for proper operation of the leachate collection and removal system and 329 IAC 10-20-21(b)(4) for the control of odors, contamination of runoff, or damage to vegetation, the permittee shall cease leachate recirculation until the leachate recirculation system is modified to comply with 329 IAC 10-20-21(c). The permittee shall notify IDEM of the shut down event within 24-hours.

f. It is recommended that the permittee shall implement appropriate health and safety protection standards found in OSHA during the operation of the leachate recirculation system.

g. Only one leachate recirculation method may be performed in the same area of the landfill at one time.

The following requirements apply only to the "Direct Application" method for leachate recirculation:

h. Leachate shall be applied by spraying, directly and uniformly, onto the solid waste either prior to or during the waste compaction operation and at no time shall be applied without an observer present. Dumping of leachate, without using a spray irrigation system, shall not be permitted. The leachate recirculation shall not be conducted until a minimum of thirty (30) feet of waste has been placed over the bottom of the landfill. The "Direct Application" method shall be limited to the working face and the 50-foot buffer zone shall be maintained from finished, exterior landfill slopes.

i. The permittee shall construct a runoff control berm at the downslope toe of the working face to confine runoff to the working face area of the landfill. Any leachate runoff shall be immediately controlled with a portable pump. Soils contaminated by leachate runoff shall be buried within the working face.

j. The "Direct Application" method shall not be used during periods of rain, when the forecast for rain is above 50 percent, when wind conditions would cause leachate to be blown onto personnel and during periods of extremely cold temperatures.

k. No direct application will be performed in areas of the working face where waste-unloading operations are being performed.

The following requirements apply to the "Vertical Well Injection" method of leachate recirculation:

l. The permittee shall place a minimum of thirty (30) feet of waste over the bottom of the landfill before installing the first set of the vertical injection wells. The vertical injection pipe shall be placed no closer than fifty (50) feet from the exterior slopes and the active working face of the landfill. The permittee shall maintain a minimum of ten (10) feet of vertical separation between the perforated section of the leachate injection pipe and the top of the landfill final cover. To prevent recirculated leachate spilling from the wells onto the ground surface the top of the well casing shall be extended through the waste surface, and landfill cover.

m. Adequate time will be allowed between injection events so that wetting of waste can be uniform throughout the landfill. The area in which vertical injection will occur shall be monitored on a daily basis during the use of the system for evidence of leachate seeps and system malfunction. If problems occur, leachate recirculation shall be immediately stopped. The surface area around the vertical injection wells shall be properly maintained in accordance with 329 IAC 10-20-13 and 14.

C8. The storm water pollution prevention plan (SWP3) drawings and documentation dated July 30, 2004 and January 12, 2005, and received by the Indiana Department of Environmental Management (IDEM) on August 2, 2004 and January 13, 2005 have been approved with the following requirements:

The storm water drainage is currently divided into three (3) drainage areas. The facility currently has three (3) proposed sampling locations identified as Outfall #1, #2 and #3.

a. The permittee shall comply with all of the permit requirements that pertain to any previous major or minor modification and the renewal, unless otherwise specified here.

b. The permittee shall assure compliance with the requirements of 329 IAC 10-15-12.

c. The permittee shall follow the plans and the documentation dated July 30, 2004, and January 12, 2005, and received by IDEM on August 2, 2004 and January 13, 2005.

d. Semi-annual storm water sampling analyses data taken from the facility sedimentation ponds/basins must be submitted within sixty (60) days following the collection of each semi-annual sample. Storm water discharges that do not pass through the facility sedimentation pond, are exposed to industrial activity, and then discharge to waters of the state must follow the sampling procedures as described in 327 IAC 15-6-7.3 (a)(5) through (9) and monitor the parameters listed in 329 IAC 10-20-11 (f)(1).

e. In the event that there are any changes to a SWP3 as a result of management practices, administration changes, etc. the updated plan must be kept on-site and must be available at the time of an IDEM on-site inspection.

f. All records and information resulting from the storm water sampling events, including all records of analyses performed and calibration and maintenance of all instrumentation, must be retained for a minimum of three (3) years.

g. All land disturbance activities must be in compliance with the erosion/sedimentation control practices as required by 329 IAC 10. The facility may use the book entitled "Indiana Handbook for Erosion Control in Developing Areas Manual" dated October 1992. This manual can be obtained from the Division of Soil Conservation, Indiana Department of Natural Resources.

h. Per 329 IAC 10-20-28 regarding self-inspection, the permittee shall monitor and inspect the facility a minimum of twice each month, including all the following temporary and permanent erosion and sedimentation control structures such as, but not limited to: drainage features, berms, dikes, outfall discharges, riprap channels, silt fences, vegetative cover, erosion control blankets or geotextiles, sediment traps and basins, pumps and sumps, culverts and on-site borrow pits.

C9. The permittee shall conduct waste solidification at the facility in accordance with the minor modification application dated April 14, 2005, and received by IDEM on April 18, 2005, and the following requirements:

a. The stabilization basins must be leak-proof and placed over a one (1)-foot thick compacted clay pad. The pad must be sloped and bermed to prevent liquid escape from the solidification area. The compacted clay pad may be placed over the waste in a manner that does not disrupt normal activities. When placed over the

waste, the compacted clay pad must be over the composite liner and leachate collection system.

b. Any liquid on the clay pad, except precipitation, shall be immediately removed.

c. The permittee shall develop and implement a contingency plan with exact treatment procedures and appropriate materials, and a copy of the plan shall be available on site for IDEM staff to review.

d. Waste left overnight in the solidification process containers must be appropriately covered.

e. The absorbent used to catch spillage from outside of the boxes should be restricted to soil in order to avoid additional incompatibility reactions with "select" municipal solid wastes and must be disposed of properly.

f. The stabilizing agents should be limited to those nonhazardous materials that absorb at least half their weight.

D. GAS EMISSION CONTROL AND MONITORING

D1. The permittee shall comply with 329 IAC 10-20-17 (Explosive Gases).

D2. Pursuant to 329 IAC 10-20-17, the permittee must follow the methane monitoring program (MMP) dated January 30, 2003 and noted with revision 1. The permittee must revise the MMP if notified to do so by OLQ or if methane gas levels trigger additional remediation as required by 329 IAC 10-20-17(d). Any revision to the MMP must be approved by OLQ prior to implementation.

D3. The permittee shall comply with its New Source Performance Standards/Emission Guidelines Design Plan (NSPS/EG Design Plan), 40 CFR 60, and 326 IAC 8-8 and 8-8.1, as applicable.

E. GROUND WATER MONITORING REQUIREMENTS

E1. The permittee shall comply with 329 IAC 10-21.

E2. The detection monitoring system includes the ground water monitoring wells: MW-1R, MW-2R, MW-3R, MW-4R, MW8, MW-9, MW-10, MW-11, MW-12, MW-13, MW-14 of which MW-13 and MW-14 are considered upgradient.

E3. Detection monitoring shall take place in March and September of every year.

E4. Pursuant to 329 IAC 10-21-2, the permittee must follow the ground water monitoring plan (Sampling and Analysis Plan (SAP)) dated November 28, 2001. The permittee must revise the SAP if notified to do so by OLQ. Any revision to the SAP must be approved by OLQ prior to implementation, but will not be considered a modification of this permit.

E5. All analytical data from required ground water sampling events must be submitted to OLQ within sixty (60) days of the sampling event. This submittal must include one (1) original unbound laboratory certified report with field sheets and chain of custody forms; and one (1) electronic version of the analytical results with the field parameters including pH, specific conductance, dissolved oxygen, Eh, temperature, well depth, depth to water, and static water elevation.

The electronic version must be on a DOS formatted 3 1/2 inch diskette, 100 MB Zip disk, or CD-ROM; or may be submitted via electronic mail (e-mail) to the e-mail address, **olqdata@idem.in.gov** . The facility name and a brief description of the file contents should be clearly marked on the digital media or typed in the subject heading of the e-mail. The electronic version should be submitted as an ASCII, tab-delimited text file and contain the facility's name, permit number, and the name of the analytical laboratory. Field parameters and analytical results must include the fields listed below:

1. Sampling Date: Month, day, and year
2. Well Name: Include permitted and corrective action wells
3. Sample Type: Regular, duplicate(s), trip blank(s), equipment blank(s), field blank(s), verification re-sample(s) and replicate(s)
4. Sample Medium: Ground water, leachate, soil, surface water, etc.
5. Species Name: Chloride, sodium, ammonia, etc. (Identify metals as being analyzed in the "total" phase or "dissolved" phase. Example: arsenic (dissolved).)
6. Concentration (results) The entry must be a number. Do not enter text such as "NA", "ND" or "<".
7. Concentration Units: mg/l, ug/l, standard units for pH, degrees Celsius (°C), or degrees Fahrenheit (°F) for temperature, mvolts for Eh, and umhos/cm for specific conductance
8. Detected: Yes or no
9. Detection Limit
10. Analytical Methods
11. Estimated Value: Indicate "Yes" if the reported value is an estimated value. If a value is estimated, use the "Comment" field to explain why the value was estimated
12. Comment: Analytical lab and/or field personnel comments regarding the reported results.

E6. Pursuant to 329 IAC 10-21-6, the permittee must follow the Statistical Evaluation Plan (StEP) dated March 4, 2003 and addendum to the plan dated October 6, 2005 and February 22, 2006. The permittee must revise the StEP if notified to do so by OLQ. Any

revisions to the StEP must be approved by OLQ prior to implementation, but will not be considered a modification of this permit.

Additional Geology Requirement:

E7. After the initial work area is filled and construction starts for the next phase, Monitoring wells MW-5, MW-6, MW-7 will become part of the monitoring network as proposed in the original permit application dated June 2001.

F. CLOSURE REQUIREMENTS

F1. The permittee shall comply with 329 IAC 10-22 (Closure Requirements).

F2. The permittee shall notify IDEM in writing at least fifteen (15) days prior to the intended date to begin closure of each unit or portion of the unit.

F3. The final cover shall be constructed in accordance with the approved final grading plan, on Sheet 4 of 5, entitled "Proposed Final Contours and Stormwater Conveyance," dated February 27, 2007, and received by IDEM on February 28, 2007. Final cover shall be constructed whenever any area of the landfill is filled to its approved elevation, less the distance attributed to the cover materials or within one hundred eighty (180) days of receiving its final waste volume. This facility closure contains 164.75 acres of composite cover system.

F4. Final closure shall proceed in accordance with the facility closure plan dated June 21, 2001, received by IDEM on June 22, 2001, and the applicable requirements of 329 IAC 10.

F5. The cover materials must be tested and placed in accordance with the approved Construction Quality Assurance plan.

G. POST-CLOSURE REQUIREMENTS

G1. The permittee shall perform post-closure monitoring and maintenance in accordance with the applicable requirements of 329 IAC 10-23 and with the facility post-closure plan dated June 21, 2001 and received by IDEM on June 22, 2001.

H. FINANCIAL RESPONSIBILITY FOR CLOSURE AND POST-CLOSURE

H1. The permittee shall annually update a financial responsibility instrument as required by 329 IAC 10-39 for closure and post-closure. Annual updates shall be submitted no later than June 15 of each year.

H2. A final contour map which meets the requirements of 329 IAC 10-39-2(c) must also be submitted annually.

H3. If facility operations, site design, or ground water monitoring are significantly changed to affect the financial responsibility amount, then the permittee shall amend the closure and post-closure cost estimates to reflect these changes.

APPENDIX H

SUMMARY TABLE OF MANIFESTS AND MATERIAL DISPOSED

Appendix H
NSA Crane
Manifests and Weight of Material Disposed by Area and Round
SWMU 13 Interim Measures Report

Truck Number	Date	Time	Manifest #	Crane Scale Non Hazardous Net (lbs.	Crane Scale TSCA Net (lbs.)	Incoming Fill Dirt (lbs.)	Clean Harbors Non-Hazardous (gal)	Republic Scale Non Hazardous (lb.)	Heritage Scale TSCA Hazardous (lbs.	Tare Weight (lbs.)	Building Area	Round
1024-4	11/17/2008	8:32	2	48,740				48,460		31,800	1	1
1024-1	11/17/2008	8:51	3	48,060				48,300		31,900	1	1
1024-2	11/17/2008	9:05	4	48,608				48,520		31,560	1	1
1022	11/17/2008	9:16	5	44,580				44,600		31,040	1	1
1009	11/17/2008	12:16	6	47,140				46,680		32,140	1	1
1024-4	11/17/2008	13:27	7	45,380				48,360		34,580	1	1
1024-1	11/17/2008	14:11	8	45,080				45,360		31,740	1	1
1024-2	11/17/2008	14:14	9	48,020				47,920		31,400	1	1
1022	11/17/2008	14:29	10	46,140				45,980		30,820	1	1
1075-1	12/29/2008	3:22	67	45,840				45,840		32,980	1	1
1075-2	12/29/2008	3:19	68	46,060				46,060		31,560	1	2
1022	12/29/2008	9:01	60	48,400				47,760		31,640	1	2
1009	12/29/2008	9:04	61	45,620				45,560		32,920	1	2
1012	12/29/2008	9:15	62	46,140				46,200		31,820	1	2
1084	12/29/2008	1:33	63	46,380				45,740		33,280	1	2
1074	12/29/2008	1:47	64	46,360				46,180		32,840	1	2
1022	12/29/2008	2:13	65	48,280				47,960		31,580	1	2
1012	12/29/2008	2:24	66	46,540				46,640		31,800	1	2
1074	1/19/2009	9:41	124	43,620						33,200	1	3
1012	1/19/2009	10:04	125	42,760				44,000		32,800	1	3
1022	1/19/2009	10:36	126	42,220				44,000		31,460	1	3
1024-3	11/6/2008	8:32	206070		45,460				45,160	32,380	2	1
1024-2	11/6/2008	8:47	206068		47,780				47,580	31,080	2	1
1024-4	11/6/2008	9:01	206069		48,600				48,366	30,320	2	1
1022	11/6/2008	9:16	206056		47,540				44,000	30,840	2	1
1024-3	11/6/2008	2:16	206058		47,000				46,460	31,920	2	1
1024-2	11/6/2008	2:01	206057		50,320				49,860	30,580	2	1
1024-4	11/6/2008	2:29	206059		49,920				49,500	30,080	2	1
1024-3	11/7/2008	8:15	206060		47,040				46,520	32,220	2	1
1024-4	11/7/2008	8:26	206061		49,900				49,880	30,480	2	1
1024-2	11/7/2008	8:34	206062		49,100				48,980	31,260	2	1
1022	11/7/2008	10:32	206063		48,920				48,920	31,040	2	1
1024-2	11/7/2008	1:42	206064		48,800				48,640	30,920	2	1
1024-3	11/7/2008	1:48	206065		48,680				48,166	31,960	2	1
1024-4	11/7/2008	1:53	206066		49,960				49,000	30,060	2	1
1009	11/10/2008	8:26	206049		46,400				47,266	32,360	2	1
1009	11/10/2008	1:17	206050		41,860				41,346	31,800	2	1
1024-1	11/10/2008	1:44	206051		48,460				49,380	30,980	2	1
1024-2	11/10/2008	1:51	206052		44,780				45,540	30,860	2	1
1024-4	11/10/2008	2:14	206053		48,500				49,080	31,280	2	1
1009	11/12/2008	8:29	206054		46,780				46,460	32,300	2	1
1024-2	11/12/2008	8:57	206055		46,800				47,340	31,840	2	1
1009	11/12/2008	2:23	206067		42,620				44,000	32,000	2	1
1009	11/17/2008	8:21	1	46,320				45,160		32,260	2	1
1024-1	12/1/2008	8:02	20	46,440				46,700		31,900	2	1
1022	12/1/2008	8:38	21	48,640				48,600		30,820	2	1
1009	12/1/2008	8:42	22	44,380				44,400		31,820	2	1
10506	12/1/2008	8:54	23	43,140				44,000		33,120	2	1
1024-1	12/1/2008	13:58	24	47,900				47,560		31,700	2	1
529/1009	12/1/2008	14:37	25	48,080				48,120		31,460	2	1
506	12/1/2008	14:42	26	46,760				46,780		32,980	2	1
10506	12/2/2008	8:37	27	46,020				45,900		33,800	2	1
1024-4	12/2/2008	8:41	28	47,500				47,500		31,520	2	1
1024-1	12/2/2008	8:42	29	46,700				46,500		31,940	2	1
1022	12/2/2008	9:15	30	49,120				49,240		31,280	2	1
1084	12/2/2008	9:20	31	45,900				46,080		33,160	2	1
1024-1	12/2/2008	12:47	32	45,740				45,800		31,580	2	1
1024-4	12/2/2008	12:54	33	48,160				45,760		31,400	2	1
10506	12/2/2008	12:55	34	45,740				48,160		33,480	2	1
1022	12/2/2008	1:09	35	45,000				4,500		30,960	2	1
1084	12/2/2008	1:16	36	46,700				46,620		32,780	2	1
1024-1	12/3/2008	7:47	37	46,520				46,840		32,300	2	1
1024-4	12/3/2008	7:48	38	47,880				48,060		31,760	2	1
10506	12/3/2008	8:31	39	45,600				45,740		33,300	2	1
1009	12/3/2008	8:50	40	46,380				46,540		32,260	2	1
1084	12/3/2008	8:57	41	44,280				44,400		33,980	2	1
1022	12/3/2008	9:01	42	47,520				47,520		31,140	2	1
1084	12/3/2008	2:40	48	45,880		51,620		46,040		33,780	2	1
1022	12/3/2008	2:54	49	48,720		51,620		48,900		30,960	2	1
1009	12/4/2008	9:00	50	46,660				46,700		32,940	2	1
10506	12/4/2008	9:02	51	44,740				44,540		34,000	2	1
1022	12/4/2008	9:13	52	47,380				47,320		31,040	2	1
1052	12/23/2008	8:54	54	46,480				46,600		32,100	2	1
1074	12/23/2008	9:04	55	46,040				46,240		33,200	2	1
1056	12/23/2008	9:27	56	45,380				45,620		33,580	2	1
1022	12/23/2008	9:30	57	46,180				46,100		31,140	2	1
1009	12/30/2008	8:37	69	47,500				47,640		32,860	2	1
1022	12/30/2008	8:51	70	48,180				48,060		31,720	2	1
1074	12/30/2008	9:05	71	44,100				44,820		32,580	2	1
1022	12/22/2008	2:00	206034		46,200				46,220	32,180	2	1
1074	12/3/2008	12:48	206031WAS		47,920				48,420	31,940	2	2
1024-1	12/3/2008	12:59	206032WAS		45,980				46,740	31,600	2	2

Appendix H
NSA Crane
Manifests and Weight of Material Disposed by Area and Round
SWMU 13 Interim Measures Report

Truck Number	Date	Time	Manifest #	Crane Scale Non Hazardous Net (lbs.	Crane Scale TSCA Net (lbs.)	Incoming Fill Dirt (lbs.)	Clean Harbors Non-Hazardous (gal)	Republic Scale Non Hazardous (lb.)	Heritage Scale TSCA Hazardous (lbs.	Tare Weight (lbs.)	Building Area	Round
1024-4	12/3/2008	1:09	43	47,780				47,460		32,680	2	2
1047	12/3/2008	1:29	44	47,600		50,320		47,460		31,820	2	2
1009	12/3/2008	1:52	45	46,460		53,120		46,880		33,360	2	2
10506	12/3/2008	2:07	46	44,100						30,900	2	2
10505	12/3/2008	2:19	47	45,240				45,140		31,400	2	2
510	12/22/2008	1:27	206033		48,640				48,640	31,680	2	2
1022	12/29/2008	8:26	58	44,700				44,800		32,940	2	2
1074	12/29/2008	8:40	59	42,740				44,000		33,420	2	2
1084	12/30/2008	9:07	72	46,940				47,260		31,840	2	2
1012	1/6/2009	8:35	206035		46,340				46,200	32,300	2	2
1009	1/6/2009	8:42	206036		42,800				42,620	35,780	2	2
10506	1/6/2009	2:04	206037		48,120				47,840	32,140	2	2
1009	1/6/2009	2:13	206038		43,800				43,700	35,460	2	2
10506	1/7/2009	8:43	206039		44,960				44,760	35,840	2	2
10506	1/7/2009	8:53	206040		46,860				47,420	33,000	2	2
1009	1/7/2009	9:20	206041		46,960				47,140	33,200	2	2
1074	1/7/2009	9:22	206044		46,180				46,360	31,380	2	2
1022	1/7/2009	9:47	206042		45,680				45,780	33,540	2	2
1056	1/7/2009	9:56	206043		42,700				42,520	34,420	2	2
1084	11/10/2008	8:07	206047		48,480				48,020	31,260	3	1
1012	11/10/2008	7:54	206046		49,360				48,980	31,120	3	1
1024-1	11/10/2008	8:20	206048		48,960				49,640	31,560	3	1
1024-2	11/18/2008	8:14	11	45,460				45,400		32,860	3	1
1024-4	11/18/2008	8:15	12	45,760				45,680		31,080	3	1
1009	1/7/2009	2:09	77	42,720				43,000		35,500	3	2
1024-2	12/30/2008	1:02	73	44,820				44,740		32,720	3	2
10506	12/30/2008	1:19	74	45,640				46,060		31,540	3	2
1009	12/30/2008	1:52	75	48,100				48,880		32,340	3	2
1022	12/30/2008	2:04	76	45,340				45,820		32,200	3	2
1074	1/19/2009	2:30	127	45,040						32,960	3	2
1012	1/7/2009	2:20	78	47,000				47,440		32,640	3	3
1074	1/7/2009	2:48	79	45,360						31,000	3	3
1009	1/19/2009	3:46	128	45,520				45,580		31,040	3	3
1022	1/19/2009	3:20	129	45,700				46,160		32,380	3	3
1022	2/6/2009	12:43	139	46,480						32,440	3	4
1012	2/6/2009	1:42	140	44,500						32,180	3	4
1052	2/6/2009	9:23	138	40,420						32,600	3	4
1012	6/23/2009	1:30	163	47220						32580	3	4
1012	2/9/2009	9:20	143	44,840						32,400	3	5
1074	1/13/2009	8:34	81	41,080				44,000		32,700	4	1
1012	1/13/2009	8:23	82	45,140				45,100		32,200	4	1
1012	1/13/2009	8:44	83	44,920				44,920		33,000	4	1
1009	1/13/2009	8:54	84	43,860						33,020	4	1
1074	1/13/2009	9:07	85	46,940				46,860		31,260	4	1
1056	1/13/2009	9:14	86	40,300				40,500		34,480	4	1
1022	1/13/2009	12:26	87	46,780				46,880		32,160	4	1
1084	1/13/2009	12:52	88	45,820				46,220		32,720	4	1
1009	1/13/2009	1:02	89	45,780						33,320	4	1
1074	1/13/2009	1:16	90	47,100				47,240		32,440	4	1
1056	1/13/2009	1:30	91	44,260				44,700		34,200	4	1
1012	1/13/2009	1:39	92	48,520				48,460		31,180	4	1
1084	1/14/2009	8:07	93	43,600				43,680		32,120	4	1
1022	1/14/2009	8:20	94	44,160				44,280		33,500	4	1
1012	1/14/2009	8:31	95	43,920						33,940	4	1
1074	1/14/2009	9:11	96	44,180				44,120		33,900	4	1
1084	1/14/2009	10:44	97	44,320				44,640		31,580	4	1
1056	1/14/2009	10:56	98	46,100				46,240		33,000	4	1
1022	1/14/2009	12:46	99	45,620				45,940		31,980	4	1
1009	1/14/2009	1:04	100	46,160				46,140		33,360	4	1
1012	1/14/2009	1:16	101	44,400						34,000	4	1
1074	1/14/2009	1:34	102	41,900				42,140		33,780	4	1
1056	1/15/2009	8:50	103	44,040				43,420		32,620	4	1
1084	1/15/2009	8:37	104	43,060				42,040		31,760	4	1
1009	1/15/2009	9:11	105	44,420						33,420	4	1
1012	1/15/2009	9:25	106	41,320				40,380		33,120	4	1
1056	1/15/2009	10:02	107	46,640				46,520		33,500	4	1
1074	1/15/2009	10:01	108	47,120				46,180		31,880	4	1
1084	1/15/2009	10:46	109	48,460				47,620		31,300	4	1
1052	1/15/2009	12:54	110	43,140				42,760		31,740	4	1
1022	1/15/2009	1:05	111	45,760				45,700		32,320	4	1
1012	1/15/2009	1:21	112	44,200						33,460	4	1
1009	1/15/2009	1:33	113	44,360				43,720		32,860	4	1
1056	1/15/2009	2:47	114	45,860				45,960		32,620	4	1
1074	1/15/2009	3:14	115	45,820				45,980		33,280	4	1
1052	1/22/2009	9:16	131	44,800				44,980		31,200	4	2
1084	1/22/2009	8:29	130	46,520						32,000	4	2
1012	1/23/2009	8:34	134	43,760						32,800	4	2
1022	1/23/2009	9:06	135	46,900				46,720		31,020	4	2
1012	1/23/2009	1:25	137	48,200						32,740	4	2
1022	1/23/2009	1:48	136	48,460				48,240		30,880	4	2
1024-2	11/18/2008	1:09	14	49,200		55,220		49,140		30,900	5	1
1022	11/18/2008	2:15	15	45,480		47,440		45,680		30,780	5	1

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NSA Crane
Manifests and Weight of Material Disposed by Area and Round
SWMU 13 Interim Measures Report

Truck Number	Date	Time	Manifest #	Crane Scale Non Hazardous Net (lbs.	Crane Scale TSCA Net (lbs.)	Incoming Fill Dirt (lbs.)	Clean Harbors Non-Hazardous (gal)	Republic Scale Non Hazardous (lb.)	Heritage Scale TSCA Hazardous (lbs.	Tare Weight (lbs.)	Building Area	Round
1009	11/18/2008	2:25	16	45,780		47,020		45,760		32,460	5	1
1024-2	11/19/2008	8:40	17	48,280				48,260		31,280	5	1
1024-2	11/19/2008	1:07	18	48,940		52,860		49,120		31,100	5	1
	1/20/2009		2330253				5180				1 (water)	NA
1084	6/8/2009	9:53	233717		47560				47660	33140	1A	1
1084	6/8/2009	3:46	233721		45421				45440	32900	1A	1
1074	6/17/2009	8:26	145	45980						33340	1A	1
1084A	6/17/2009	8:44	146	44920						33060	1A	1
1001	6/17/2009	9:04	147	43860						31940	1A	1
1012	6/17/2009	9:55	148	46800						32220	1A	1
1052	6/17/2009	10:26	149	48540						32180	1A	1
1074	6/17/2009	1:22	150	46780						33160	1A	1
1084	6/17/2009	1:36	151	46420						33020	1A	1
1012	6/17/2009	2:03	152	43780						32020	1A	1
1001	6/17/2009	2:25	153	47920						32000	1A	1
1052	6/17/2009	2:45	154	49040						31840	1A	1
1074	6/18/2009	8:37	155	45140						32980	1A	1
1001	6/18/2009	8:53	156	40640						33460	1A	1
1012	6/18/2009	9:37	157	48540						31860	1A	1
1084A	6/18/2009	10:23	158	47320						31780	1A	1
1012	6/18/2009	10:49	159	47580						32500	1A	1
1074	6/23/2009	8:22	160	47260						32640	1A	1
1012	6/23/2009	8:52	161	46920						31640	1A	1
1012	6/23/2009	1:45	162	45840						31920	1A	1
38	7/31/2009		166	13,260						34640	1A	2
528-2066	10/5/2009		284654WAS		4240				4240		1A	3
82WIL	6/25/2009	12:48	6808			42600					1A	backfill
82WIL	6/25/2009	10:20	6793			42960					1A	backfill
82WIL	6/25/2009	7:54	6778			42900					1A	backfill
41WIL	6/25/2009	10:16	6792			44800					1A	backfill
84WIL	6/25/2009	12:57	6809			44480					1A	backfill
41WIL	6/25/2009	7:53	6777			44800					1A	backfill
34WIL	6/25/2009	12:22	6805			44440					1A	backfill
34WIL	6/25/2009	9:53	6787			44780					1A	backfill
34WIL	6/25/2009	7:52	6776			44400					1A	backfill
24WIL	6/25/2009	7:44	6774			46920					1A	backfill
24WIL	6/25/2009	10:06	6789			46800					1A	backfill
24WIL	6/25/2009	12:36	6806			46760					1A	backfill
27WIL	6/25/2009	12:39	6807			44120					1A	backfill
27WIL	6/25/2009	10:24	6794			41700					1A	backfill
27WIL	6/25/2009	7:57	6779			44800					1A	backfill
Unknown	7/31/2009		73109				4100				1A (water)	NA
Unknown	7/31/2009		73109A				2800				1A (water)	NA
	1/20/2009		2330254				5200				2 (water)	NA
Not Specified	3/15/2010	12:42	169	41760					42560	27300	2A	1
46	3/16/2010	7:08	171	45940					46740	27240	2A	1
46	3/15/2010	8:24	168	45800					46680	27300	2A	1
45	3/15/2010	8:20	167	46020					46640	26880	2A	1
1012	4/16/2010	7:36	000303189WAS		45080				45140	32260	2A	2
3391	4/16/2010	7:42	000303190WAS		46840				46900	32680	2A	2
3391	4/16/2010	1:20	000303191WAS		44100				44200	32440	2A	2
1012	4/16/2010	1:33	000303192WAS		46480				46460	32020	2A	2
18	7/8/2010	3:56	000042315WAS		45900				45920	30500	2A	3
1040	7/8/2010	3:29	000342285WAS		49040				49080	30560	2A	3
21221	7/8/2010	3:15	000342314WAS		50000				49960	30280	2A	3
1074	7/8/2010	3:12	000342313WAS		47140				47200	32720	2A	3
1056	7/8/2010		000342312WAS		45900				45840	32560	2A	3
126	7/8/2010	2:02	000342280WAS		46600				46800	34340	2A	3
18	7/8/2010	9:50	000342281WAS		46140				46220	30760	2A	3
1074	7/8/2010	8:50	000342282WAS		46340				46120	32620	2A	3
1040	7/8/2010	8:37	000342283WAS		48360				48460	30580	2A	3
1056	7/8/2010	8:22	000342284WAS		47040				47080	32820	2A	3
40	7/9/2010	12:36	182	44980				44980		26500	2A	3
58	7/9/2010	12:27	181	39760				39520		33300	2A	3
28	7/9/2010	12:02	180	41760				41660		26740	2A	3
43	7/9/2010	12:01	179	38980				39300		26160	2A	3
41	7/9/2010	11:57	178	42100				42240		25940	2A	3
42	7/9/2010	11:50	177	40880				41500		26640	2A	3
46	7/9/2010	11:31	176	43520				44280		27100	2A	3
45	7/9/2010	11:22	175	44700				46240		27840	2A	3
40	7/9/2010	8:04	187	43680				43700		26580	2A	3
58	7/9/2010	7:57	186	36560				36100		33140	2A	3

Appendix H
NSA Crane
Manifests and Weight of Material Disposed by Area and Round
SWMU 13 Interim Measures Report

Truck Number	Date	Time	Manifest #	Crane Scale Non Hazardous Net (lbs.	Crane Scale TSCA Net (lbs.)	Incoming Fill Dirt (lbs.)	Clean Harbors Non-Hazardous (gal)	Republic Scale Non Hazardous (lb.)	Heritage Scale TSCA Hazardous (lbs.	Tare Weight (lbs.)	Building Area	Round
1056	7/9/2010	12:16	498700		35700				35760	32440	2A	4
42	7/9/2010	7:38	184	39060				39120		26480	2A	4
43	7/9/2010	7:22	172	41760				41960		26020	2A	4
28	7/9/2010	7:34	183	41400				40680		26160	2A	4
41	7/9/2010	7:20	174	40680				41440		25880	2A	4
46	7/9/2010	7:49	185	44780				45320		26960	2A	4
45	7/9/2010	7:00	173	42560				43320		27080	2A	4
Not Specified	7/14/2010		102	46860				47320		26380	2A	4
Not Specified	7/14/2010		101	42080				41960		25780	2A	4
Not Specified	7/14/2010		190	46620				47200		26380	2A	4
41	7/14/2010	9:14	189	41460				41460		25820	2A	5
43	7/14/2010	9:03	188	40940				41120		25940	2A	5
1022	11/18/2008	8:31	13	47,620				47,520		31,000	2B	1
1074	1/16/2009	8:17	116	42,080				44,000		33,160	2B	1
1009	1/16/2009	8:31	117	45,240				44,660		32,940	2B	1
1022	1/16/2009	8:43	118	44,000				44,000		31,160	2B	1
1012	1/16/2009	8:57	119	44,900				44,000		32,720	2B	1
1009	1/16/2009	1:18	120	42,320				44,000		32,680	2B	1
1074	1/16/2009	1:21	121	45,420				45,580		33,280	2B	1
1012	1/16/2009	1:53	122	46,480				46,680		32,540	2B	1
1022	1/16/2009	2:16	053	48,100				48,100		31,060	2B	1
Not Specified	3/17/2010		000315839WAS		41320				43320	34280	5A	1
Not Specified	3/17/2010	8:58	000315840WAS		43420				43500	34520	5A	1
	2/10/2009		20938				3872				decon water	NA
45	3/15/2010	1:00	170	45180					45940	26880	support area	2
			TOTAL	**8,227,008**	**2,707,781**		**21,152**	**6,326,140**	**2,890,364**	**7,588,820**		

APPENDIX I

TOLTEST'S DAILY REPORTS

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 10/31/08	
		REPORT NO: FC40-001	
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 73	MIN TEMP (F): 52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 169-171 area	LES/TolTest JV	1	Site Superintendent	6
	See attached Full Scale Daily Report	LES/TolTest JV	1	Laborer	6

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	12
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	12
TOTAL WORK HOURS FROM START OF CONSTRUCTION	12

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		A 315 excavator was delivered at 4:00 pm to Bldg. 169

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	TolTest	Service Truck	
	Rental	Excavator	0

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

10/31/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	10/31/08
REPORT NO	FC40-001

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site setup activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/30/08.	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walt — 10/31/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-001

Date: October 31, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC)

Work Performed:

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- Set several fence posts for area fencing.
- Toltest transported a skid steer to the job site.
- Installed approximately 120LF of silt fence.
- Installed bermed area for onsite holding tanks.
- MacAllister delivered an excavator to Bldg. 169

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 223~~50~~.01 Date: 10-31-08 Time: 7:00
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. HAND TOOL SAFETY
2. TRAFFIC SAFETY
3. MACHINE SAFETY
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date: Work Permit - hot work - Safety Permit

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/3/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-002		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	74	MIN TEMP (F)	53

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 169-171 area continued area and install	LES/TolTest JV	1	Site Superintendent	6
	siltfence. Began to excavate and haul via TolTest dump	LES/TolTest JV	1	Operator	4
	stockpile area at rear of Bldg. 169.			Truck Driver	4
				Laborer	6
				Laborer	6
				Laborer	5
	See attached Full Scale Daily Report				

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	31
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	12
TOTAL WORK HOURS FROM START OF CONSTRUCTION	43

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		A 315 excavator was delivered at 4:00 pm to Bldg. 169

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	0
	Rental	Excavator	4
	TolTest	Service Truck	10
	TolTest	Dump Truck	4

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/3/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/3/08

REPORT NO. FC40-002

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site setup activities at Building 169,171.	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watts — AUTHORIZED QC MANAGER AT SITE — DATE 11/3/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-002

Date: November 3, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Truck Driver), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC) Visited site at 12:00 PM

Work Performed:

- 7:00 AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:00-11:00 AM Set several fence posts for area fencing and worked on silt fence.
- 11:00-1:00 PM Worked on setting up perimeter fencing.
- 11:00-4:00 PM Excavated and loaded dirt from area at bldg. 169, hauled to stockpile behind bldg. 169 (approx. 100 tn)
- 4:00-5:00 PM Stopped hauling and covered stockpile and secured fencing around exclusion zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22366.01 Date: 11-3-08 Time: 7:00
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. SWING AREA of MACHINE STAY CLEAR AT ALL TIMES
2. TRUCK SAFETY WATCH WHEN BACKING UP
3. DONT FUEL HOT EQUIPMENT LET IT COOL
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date: HOT WORK - WORK PERMIT - SAFETY PERMIT

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster
MARTY EWARIS	Marty Ewaris
CHUCK PROCTOR	Chuck Proctor
JEFF HOOTEN	Jeff Hooten

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/4/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-003		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	76	MIN TEMP (F)	51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 169-171 area continued area and install	LES/TolTest JV	1	Site Superintendent	2
	siltfence. Began to excavate and haul via TolTest dump	LES/TolTest JV	1	Operator	12
	stockpile area at rear of Bldg. 169.			Truck Driver	8
				Laborer	10
				Laborer	2
				Laborer	6
	See attached Full Scale Daily Report				

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	40
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	31
TOTAL WORK HOURS FROM START OF CONSTRUCTION	71

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Dump Truck	8
	TolTest	Pick up	10

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/4/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/4/08
REPORT NO.	FC40-003

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Rotti 11/4/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-003

Date: November 4, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Truck Driver), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC) Visited site at 9:40 AM Tom Brent ( ) Visited at 12:15 PM & 2:40 PM

Work Performed:

- 7:00 AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:30-9:30 AM Worked on improving fencing around stockpile area at the rear of Bldg. 169
- 9:30AM – 4:00 PM Associates excavated designated area at Bldg. 169 and hauled to stockpile. The truck driver delivered fifteen loads total to the stockpile. Fence erection and zone construction continued throughout this period. Also, heaping of stockpile was required during hauling.
- 4:00 PM – 5:00 PM Gathering and excavating of material at site (Bldg. 169) continued, while other three associates covered and secured the stockpile zone.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11-4-08 Time: 7:00
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities: Remove PCB soils
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Truck Safety
2. Truck Safety
3. Slips - Trip - falls watch your step
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove soils PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date: Hot Work - Safe work - Dig Permit

Attendees

Name (Print)	Signature
JEFF HOOTEN	[illegible]
CHUCK PROCTOR	[illegible]
BILL WEBSTER	[illegible]
MARTY EVDIS	[illegible]

Meeting Conducted By:
WAYNE MOORE [illegible]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 11/5/08	
		REPORT NO: FC40-004	
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 76	MIN TEMP (F): 51

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 169-171 area continued area and install	LES/TolTest JV	4	Site Superintendent	2
	siltfence. Began to excavate and haul via TolTest dump	LES/TolTest JV		Operator	12
	stockpile area at rear of Bldg. 169.			Truck Driver	8
				Laborer	2
				Laborer	4
				Laborer	8
	See attached Full Scale Daily Report				

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	36
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	71
TOTAL WORK HOURS FROM START OF CONSTRUCTION	107

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 730 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Dump Truck	8
	TolTest	Pick up	8

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/5/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/5/08
REPORT NO.	FC40-004

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☒ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	Excavate >50 material	
	Cleaning of interior drain ditches.	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

AUTHORIZED QC MANAGER AT SITE — DATE 11/5/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-004

Date: November 5, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Truck Driver), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator/QC)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC) Visited site at 7:50 AM; Tom Brent (PWD Crane EV) Visited at 1:20 PM, TetraTech

Work Performed:

- 7:00 AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:30- 9:30 AM Continued excavating and hauling of non hazardous soil at Bldg.169. Worked on improving fencing around stockpile and other areas.
- 9:30AM – 11:00 AM Wayne Moore conducted a QC Preparatory Phase Meeting for excavation of TASC soil and the cleaning of the interior drainage trenches. (see attached sheets). Myself and all TolTest associates attended. Tim Sears and Tom Brent were invited to the meeting, but did not attend.
- 11:00 AM – 11:30 Resumed excavating and hauling.
- 12:00 PM – 1:30 PM Moved excavator to Bldg. 171 and swept road, prepped site.
- 1:30 PM – 2:45 PM Worked on heaping and covering stockpile.
- 2:45 PM – 5:00 PM Started cleaning interior trenches.
- 2:00 PM TetraTech pulled samples at finished excavation site, Bldg. 169.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11-5-03 Time: 7:00
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities: Remove PCB Soil
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Be aware of cross contamination (Decon)
2. Traffic Safety Stop at cross road Be aware at all time
3. Truck Safety Watch for overhead line
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove Soil PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date: Hot work - Safe work - Dig Permit

Attendees

Name (Print)	Signature
Martin Sandris	Martin Sandris
Bill Webster	Bill Webster
Jeff Horton	Jeff Horton
Chuck Proctor	Chuck Proctor

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
	11-5-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Interior Drain / Trench / Sediment Cleaning		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☐ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Wayne Moore	Superintendent	Tolltest
Bill Webster	Truck Driver	Tolltest
Jeff Hooten	Laborer	Tolltest
Chuck Proctor	Laborer	Tolltest
Marty Endris	Project Coordinator	Tolltest

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☑ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED? _____

ARE ALL MATERIALS ON HAND? YES ☑ NO ☐

IF NO, WHAT ITEMS ARE MISSING? _____

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: N/A

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☐ NO ☐

IF NO, WHAT ACTION IS TAKEN? NA

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS. yes

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK.

yes

CLARIFY ANY DIFFERENCES.

yes

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? yes

PREPARATORY PHASE CHECKLIST

(CONTINUED FROM FIRST PAGE)

SPEC SECTION	DATE
	11-5-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
W912QR-06-C-0016	Interior Drainage trench Cleaning/sediment		

TESTING

IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM. NONE Required.

WHEN REQUIRED?

WHERE REQUIRED?

REVIEW TESTING PLAN.

HAS TEST FACILITIES BEEN APPROVED?

SAFETY

ACTIVITY HAZARD ANALYSIS APPROVED? YES ☑ NO ☐

REVIEW APPLICABLE PORTION OF EM 385-1-1.

MEETING COMMENTS

NAVY/ROICC COMMENTS DURING MEETING.

NOT PRESENT

OTHER ITEMS OR REMARKS

OTHER ITEMS OR REMARKS:

CLEAN UP of Trenches and FLOOR

WATER USE and MANAGEMENT

QC MANAGER DATE

PREPARATORY PHASE CHECKLIST

(CONTINUED ON SECOND PAGE)

SPEC SECTION	DATE
	11-5-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Excavation of soil outside of Bldgs.		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED 24 HOURS IN ADVANCE: YES ☑ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT
Tim Sears		NSA Crane
BILL WEBSTER	SUPERINTENDENT / OPERATOR	TOLTEST INC
Jeff HOOTEN	LABORER	TOLTEST INC
Chuck PROCTER	LABORER	TOLTEST INC
MARTY ENNIS	PROJECT COORDINATOR	TOLTEST INC
WAYNE MOORE	SUPT / OPERATOR	TOLTEST INC

SUBMITTALS

REVIEW SUBMITTALS AND/OR SUBMITTAL REGISTER. HAVE ALL SUBMITTALS BEEN APPROVED? YES ☑ NO ☐

IF NO, WHAT ITEMS HAVE NOT BEEN SUBMITTED?

ARE ALL MATERIALS ON HAND? YES ☑ NO ☐

IF NO, WHAT ITEMS ARE MISSING?

CHECK APPROVED SUBMITTALS AGAINST DELIVERED MATERIAL. (THIS SHOULD BE DONE AS MATERIAL ARRIVES.)

COMMENTS: NA

MATERIAL STORAGE

ARE MATERIALS STORED PROPERLY? YES ☐ NO ☐

IF NO, WHAT ACTION IS TAKEN?

NONE STORED

SPECIFICATIONS

REVIEW EACH PARAGRAPH OF SPECIFICATIONS.

YES

DISCUSS PROCEDURE FOR ACCOMPLISHING THE WORK.

yes

CLARIFY ANY DIFFERENCES.

yes

PRELIMINARY WORK & PERMITS

ENSURE PRELIMINARY WORK IS CORRECT AND PERMITS ARE ON FILE.

IF NOT, WHAT ACTION IS TAKEN? yes on site

PREPARATORY PHASE CHECKLIST

(CONTINUED FROM FIRST PAGE)

SPEC SECTION	DATE
	11-5-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
W912QR-06-C-0016	Excavation of Soil outside of Bldg		

TESTING

IDENTIFY TEST TO BE PERFORMED, FREQUENCY, AND BY WHOM.

None Required for > 50 ppm Material

Sample of < 50 ppm to be done by Tol Test.

WHEN REQUIRED?

WHERE REQUIRED? Stockpile

REVIEW TESTING PLAN. yes

HAS TEST FACILITIES BEEN APPROVED? yes (Microbac)

SAFETY

ACTIVITY HAZARD ANALYSIS APPROVED? YES ☑ NO ☐

REVIEW APPLICABLE PORTION OF EM 385-1-1.

MEETING COMMENTS

NAVY/ROICC COMMENTS DURING MEETING.

NOT Present

OTHER ITEMS OR REMARKS

OTHER ITEMS OR REMARKS:

Play under Trucks when Loading

No Play in Truck on site to be Instalied off site only!

QC MANAGER Matt V. [illegible] DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/6/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-005		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Partly Cloudy
MAX TEMP (F)	73	MIN TEMP (F)	49

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area; Began excavation and hauling	LES/TolTest JV	4	Site Superintendent	6
	of TSCA material. We direct loaded trucks at site. Also			Operator	10
	Began cleaning of interior trenches and the debris pile			Truck Driver	
	Located just inside the wing wall of Bldg. 171.			Laborer	2
	Navy Explosive Safety permits were updated on 11/6/08			Laborer	6
				Laborer	6
	See attached Full Scale Daily Report				

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	30
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	107
TOTAL WORK HOURS FROM START OF CONSTRUCTION	137

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 730 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Service Truck	8
	TolTest	Pick up	6

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/6/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/6/08

REPORT NO. FC40-005

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	Preparatory meeting was held on 11/5/08	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton — AUTHORIZED QC MANAGER AT SITE — DATE 11/6/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

		SPEC SECTION	DATE
CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☐ NO ☐

NAME	POSITION	COMPANY/GOVERNMENT

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS:

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED?

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☐

WILL THE INITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☐

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS:

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS:

OTHER

OTHER ITEMS OR REMARKS

QC MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-005

Date: November 6, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Truck Driver), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator/QC)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC) Visited site at 7:55 AM; Tom Brent (Crane EV) Dave Neal (NSA Fire Department), Pam Houk (CAAA Safety), Jim Gruit (TetraTech)

Work Performed:

- 6:20 AM Marty Endris (TolTest Project Coordinator) Met the haul trucks at the Crane gate and led them to DRMO scale and had a meeting with the drivers to go over safety and procedure.
- 7:00 AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 8:00 AM Tim Sears, Pam Houk and Dave Neal visited site to issue a weekly explosion safety permit.
- 8:15 AM – 9:30 AM Loaded trucks (4) at Bldg. 171.
- 10:00AM – 1:30 PM Began hand excavating of trenches and debris inside Bldg. 171.
- 1:35 PM - Trucks returned from Heritage Landfill for another load. They had to uncover and line their beds.
- 1:45PM – 2:30 Loaded trucks (3), one did not make it back.
- 2:45 PM – 5:00 PM Continued cleaning of trenches inside Bldg. 171, also secured fencing, site in general and checked stockpile cover.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 223.8701 Date: 4-28-8 Time: 700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Truck Loading Watch for Traffic & Persons
2. Equipment Safety
3. Job Safety Watch your Step & the Hole - Decon
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Power Tools PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Jeff Huston	Jeff Huston
Chuck Proctor	Chuck Proctor
Bill Webster	Bill Webster
Marty Endris	Marty Endris

Meeting Conducted By:
Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/7/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-006		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Sunny	PM WEATHER	Partly Cloudy
MAX TEMP (F)	71	MIN TEMP (F)	52

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area; Began excavation and hauling	LES/TolTest JV	3	Site Superintendent	3
	of TSCA material. We direct loaded trucks at site. Also			Operator	7
	continued cleaning of interior trenches and the debris pile			Truck Driver	
	Located just inside the wing wall of Bldg. 171.			Laborer	10
				Laborer	10
	See attached Full Scale Daily Report				

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	30
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	137
TOTAL WORK HOURS FROM START OF CONSTRUCTION	167

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 730 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	7
	TolTest	Service Truck	10
	TolTest	Pick up	10

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/7/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/7/08

REPORT NO. FC40-006

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	Preparatory meeting was held on 11/5/08	

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton — AUTHORIZED QC MANAGER AT SITE — DATE 11/7/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-006

Date: November 7, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator/QC)

Subcontractor on Site:
None

Visitors on Site:
Tim Sears (OICC) 8:55 AM; Tom Brent (Crane EV)

Work Performed:

- 7:00 AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15 AM Entered site and began excavating and making a load pile.
- 7:45 AM – 9:30 AM Loaded trucks (4) w/TSCA material at Bldg. 171.
- 9:30AM – 1:30 PM Continued hand excavating of trenches and debris inside Bldg. 171.
- 1:35 PM - Trucks returned from Heritage Landfill for another load. They had to uncover and line their beds.
- 1:45PM – 2:30 Loaded trucks (3), one did not make it back.
- 2:45 PM – 5:00 PM Continued cleaning of trenches inside Bldg. 171, also secured fencing, site in general and checked stockpile cover.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/7/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Rain - Muddy & Slick.
2. 3 point mount & Dismount. / & including trucks.
3. Foot Traffic
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Jeff Hooten	Jeff Hooten
Chuck Webster	Chuck Webster

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-007

Date: November 10, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
David Boblitt (Surveyor)

Visitors on Site:
Tim Sears (OICC) ; Christine Freeman (Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Trucks arrived; Entered site and began excavating and making a load pile.
- 7:25AM – 9:30AM Loaded trucks (4) w/TSCA material at Bldg. 171.
- 8:00AM – 9:00AM David Boblitt (Surveyor) arrived on site. We discussed and reviewed the drawing of the drainage ditch excavations. David proceeded to layout the ditch excavations per Figure 3-6
- 9:30AM – 10:30 AM Continued hand excavating of trenches and debris inside Bldg. 171. & hauled four loads of < 50 ppm soil to stock pile.
- 10:30AM – 11:00AM Bill held a QC Initial Phase Meeting (see enclosed check list).
- 11:00AM – 1:00PM Resumed work on interior trenches and hauling to stock pile.
- 1:00 PM - Trucks returned from Heritage Landfill for another load. They had to uncover and line their beds.
- 1:10PM – 2:20 Loaded trucks (4), one did not make it back.
- 2:30PM – 4:40PM Continued cleaning of trenches inside Bldg. 171, also secured fencing, site in general and covered stockpile.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 11/10/08	REPORT NO: FC40-007
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Bill Webster	
AM WEATHER: Sunny	PM WEATHER: Partly Cloudy	MAX TEMP (F): 54	MIN TEMP (F): 28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area; Continued excavation and	LES/TolTest JV	4	Site Superintendent	4
	of TSCA material. We direct loaded trucks at site. Also			Operator	6
	continued cleaning of interior trenches and the debris pile			Truck Driver	4
	Located just inside the wing wall of Bldg. 171. Hauled			Laborer	9
	4 tandum truck loads of under 50 ppm to stock pile.			Laborer	9
				Laborer	5
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	37
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	167
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	204

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 730 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	6
	TolTest	Service Truck	10
	TolTest	Pick up	9
	TolTest	Dump Truck	4

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/10/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/10/08

REPORT NO. FC40-007

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☒ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	Excavation of soil;	
	Cleaning of interior trenches and sediment pile.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton — AUTHORIZED QC MANAGER AT SITE — 11/10/08 DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
	11-10-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Cleaning of Interior trenches & Sediment Pit		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED ____ HOURS IN ADVANCE: YES ☐ NO ☑

NAME	POSITION	COMPANY/GOVERNMENT
Bill Webster	Superintendent	Tol Test
Chuck Proctor	Laborer	Tol Test
Jeff Hooter	Laborer	Tol Test
Joe Caswell	Operator	Tol Test
Marty Endris	Project Coordinator/QC	Tol Test

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Place poly on drive for trucks to back on. Typeveek & Wheelbarrows

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

O.K.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? Inside Bldg. 171

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☑

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☑

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: N.A.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: O.K.

OTHER

OTHER ITEMS OR REMARKS

Marty V. Endris — QC MANAGER

11-10-08 — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
	11-10-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Excavations of Hazardous & Non Haz material		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☐ NO ☑

NAME	POSITION	COMPANY/GOVERNMENT
Bill Webser	Superintendent	Tol Test
Chuck Proctor	Laborer	Tol Test
Scott Hooter	Laborer	Tol Test
Joe Casuwell	Operator	Tol Test
Monty Endis	Project Coordinator/QC	Tol Test

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Place Poly on drive For Trucks to back on

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

O.K.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? Front of Bldg 171 & 169; Rear of 171 drainage ditch Rear of Bldg 169 ditch

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☑

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☑

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: N.A.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: O.K.

OTHER

OTHER ITEMS OR REMARKS

Monte V. Endis — QC MANAGER

11-10-08 — DATE

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/10/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Head tools
2. Back strains
3. Pinch points
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hard Hat
Activity: PPE: steel toes
Activity: PPE: Safety vest
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell
Chuck Proctor	[illegible]
Jeff Hooten	Jeff Hoot

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-007

Date: November 10, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
David Boblitt (Surveyor)

Visitors on Site:
Tim Sears (OICC) ; Christine Freeman (Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Trucks arrived; Entered site and began excavating and making a load pile.
- 7:25AM – 9:30AM Loaded trucks (4) w/TSCA material at Bldg. 171.
- 8:00AM – 9:00AM David Boblitt (Surveyor) arrived on site. We discussed and reviewed the drawing of the drainage ditch excavations. David proceeded to layout the ditch excavations per Figure 3-6
- 9:30AM – 10:30 AM Continued hand excavating of trenches and debris inside Bldg. 171. & hauled four loads of < 50 ppm soil to stock pile.
- 10:30AM – 11:00AM Bill held a QC Initial Phase Meeting (see enclosed check list).
- 11:00AM – 1:00PM Resumed work on interior trenches and hauling to stock pile.
- 1:00 PM - Trucks returned from Heritage Landfill for another load. They had to uncover and line their beds.
- 1:10PM – 2:20 Loaded trucks (4), one did not make it back.
- 2:30PM – 4:40PM Continued cleaning of trenches inside Bldg. 171, also secured fencing, site in general and covered stockpile.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 11/10/08	REPORT NO: FC40-007
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Bill Webster	
AM WEATHER: Sunny	PM WEATHER: Partly Cloudy	MAX TEMP (F): 54	MIN TEMP (F): 28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area; Continued excavation and	LES/TolTest JV	4	Site Superintendent	4
	of TSCA material. We direct loaded trucks at site. Also			Operator	6
	continued cleaning of interior trenches and the debris pile			Truck Driver	4
	Located just inside the wing wall of Bldg. 171. Hauled			Laborer	9
	4 tandum truck loads of under 50 ppm to stock pile.			Laborer	9
				Laborer	5
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	37
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	167
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	204

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 730 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	6
	TolTest	Service Truck	10
	TolTest	Pick up	9
	TolTest	Dump Truck	4

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/10/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/10/08

REPORT NO. FC40-007

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☒ NO ☐

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	Excavation of soil;	
	Cleaning of interior trenches and sediment pile.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton — AUTHORIZED QC MANAGER AT SITE — 11/10/08 DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
	11-10-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Cleaning of Interior trenches & Sediment Pit		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED ____ HOURS IN ADVANCE: YES ☐ NO ☑

NAME	POSITION	COMPANY/GOVERNMENT
Bill Webster	Superintendent	Tol Test
Chuck Proctor	Laborer	Tol Test
Jeff Hooter	Laborer	Tol Test
Joe Caswell	Operator	Tol Test
Marty Endris	Project Coordinator/QC	Tol Test

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Place poly on drive for trucks to back on. Typeveek & Wheelbarrows

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

O.K.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? Inside Bldg. 171

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☑

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☑

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: N.A.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: O.K.

OTHER

OTHER ITEMS OR REMARKS

Marty V. Endris — QC MANAGER

11-10-08 — DATE

INITIAL PHASE CHECKLIST

SPEC SECTION	DATE
	11-10-08

CONTRACT NO	DEFINABLE FEATURE OF WORK	SCHEDULE ACT NO.	INDEX #
FC 40	Excavations of Hazardous & Non Haz material		

PERSONNEL PRESENT

GOVERNMENT REP NOTIFIED _____ HOURS IN ADVANCE: YES ☐ NO ☑

NAME	POSITION	COMPANY/GOVERNMENT
Bill Webser	Superintendent	Tol Test
Chuck Proctor	Laborer	Tol Test
Scott Hooter	Laborer	Tol Test
Joe Casuwell	Operator	Tol Test
Monty Endis	Project Coordinator/QC	Tol Test

PROCEDURE COMPLIANCE

IDENTIFIY FULL COMPLIANCE WITH PROCEDURES IDENTIFIED AT PREPARATORY. COORDINATE PLANS, SPECIFICATIONS, AND SUBMITTALS.

COMMENTS: Place Poly on drive For Trucks to back on

PRELIMINARY WORK

ENSURE PRELIMINARY WORK IS COMPLETE AND CORRECT. IF NOT, WHAT ACTION IS TAKEN?

O.K.

WORKMANSHIP

ESTABLISH LEVEL OF WORKMANSHIP.

WHERE IS WORK LOCATED? Front of Bldg 171 & 169; Rear of 171 drainage ditch Rear of Bldg 169 ditch

IS SAMPLE PANEL REQUIRED? YES ☐ NO ☑

WILL THE INIITAL WORK BE CONSIDERED AS A SAMPLE? YES ☐ NO ☑

(IF YES, MAINTAIN IN PRESENT CONDITION AS LONG AS POSSIBLE AND DESCRIBE LOCATION OF SAMPLE)

RESOLUTION

RESOLVE ANY DIFFERENCES.

COMMENTS: N.A.

CHECK SAFETY

REVIEW JOB CONDITIONS USING EM 385-1-1 AND JOB HAZARD ANALYSIS

COMMENTS: O.K.

OTHER

OTHER ITEMS OR REMARKS

Monte V. Endis — QC MANAGER

11-10-08 — DATE

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/10/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Head tools
2. Back strains
3. Pinch points
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hard Hat
Activity: PPE: steel toes
Activity: PPE: Safety vest
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell
Chuck Proctor	[illegible]
Jeff Hooten	Jeff Hoot

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 11/11/08	REPORT NO: FC40-008
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Bill Webster	
AM WEATHER: Sunny	PM WEATHER: Partly Cloudy	MAX TEMP (F): 53	MIN TEMP (F): 27

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	4	Site Superintendent	9
				Operator	
	Continued cleaning of interior trenches and the debris pile			Truck Driver	
	Located just inside the wing wall of Bldg. 171. Installed			Laborer	8
	temporary sediment control measures.			Laborer	8
				Laborer	
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	25
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	204
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	229

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received
		Mac Allister Cat delivered second 315 excavator
		Received 20 tn of RipRap Stone
		Received 21 tn of # 2 Stone

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	TolTest	Service Truck	9

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/11/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/11/08

REPORT NO. FC40-008

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — AUTHORIZED QC MANAGER AT SITE — DATE 11/11/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-008

Date: November 11, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Marty Endris (Project Coordinator) Brian Morgan (Project Manager)

Subcontractor on Site:
(None)

Visitors on Site:
(None; Government Holliday)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:30AM – 8:15 Brian Morgan, myself and crew met to discuss remaining excavation necessary at Bldg. 171.
- 8:15AM – 1:30PM Continued cleaning material from interior trenches at Bldg. 171.
- 1:30PM – 3:00PM Installed temporary sediment control measures.
- 3:00PM – 4:00 PM Secured poly coverings on all soil piles, secured site.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 2236701 Date: 11/11/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Slips-&trips - Trenches muddy
2. Climbing over Beams in trench
3. Hand tools
4. Know our Exits
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard Hat
Activity: PPE: Steal toes
Activity: PPE: Tyvek
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Chuck Proctor	Chuck Proctor
Jeff Hooten	Jeff Hooten

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/12/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-009		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Cloudy	PM WEATHER	Cloudy/Rainy
MAX TEMP (F)	50	MIN TEMP (F)	35

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	4	Site Superintendent	5
	Loaded out last three loads of TSCA material T Bldg. 171.			Operator	4
	Began Pressure cleaning of interior trenches.			Truck Driver	
				Laborer	8
				Laborer	8
				Laborer	8
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	33
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	229
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	262

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	4
	TolTest	Service Truck	8
	TolTest	Pickup	8

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/12/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/12/08
REPORT NO	FC40-009

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

AUTHORIZED QC MANAGER AT SITE — DATE 11/12/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-009

Date: November 12, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TtraTech

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:35AM First truck arrived, began loading.
- 9:00AM Second of two trucks cleared the scales loaded. TetraTech arrived to begin layout and verification testing of excavated area east of Bldg. 171.
- 9:00AM-11:30Am Continued cleaning material from interior trenches at Bldg. 171.
- 12:30PM – 2:00PM Worked on setting up pressure washer for interior trenchs
- 2:00PM – 2:30 Excavated and loaded last load(1) of TSCA material.
- 2:30PM – 4:00PM Continued work on plumbing, rigging and positioning pressure washer.
- 4:00PM TetraTech did not finish testing, they will return tomorrow.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 2236701 Date: 11/14/05 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Rain
2. Keep Road clean/keep down poly.
3. Traffic
4. Eye protection when pressure washing.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hardhat
Activity: PPE: Steal toes
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Chuck Brown	Chuck Brown
Joe Caswell	Joe Caswell
Jeff Hutson	Jeff Hutson

Meeting Conducted By: Bill Webster Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/13/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-0010		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Cloudy	PM WEATHER	Cloudy/Rainy
MAX TEMP (F)	50	MIN TEMP (F)	35

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	4	Site Superintendent	10
	Continued Pressure Washing of interior trenches. Also			Operator	
	shoveled the large trench and collection basin. Started			Truck Driver	
	clearting at upper drainage ditch behind Bldg. 169.			Laborer	7
				Laborer	7
				Laborer	9
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	33
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	262
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	295

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	
	TolTest	Service Truck	10
	TolTest	Pickup	7

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/13/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/13/08

REPORT NO FC40-0010

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt

AUTHORIZED QC MANAGER AT SITE — DATE 11/13/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-0010

Date: November 13, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TtraTech

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:35AM Began start-up of pressure washing activities
- 8:00AM-8:30AM Had on site meeting for permit renewal.
- 9:00AM-2:00PM Continued cleaning material from interior trenches at Bldg. 171.
- 2:15PM – 4:30PM Began clearing of small trees and installed Check dam at drainage ditch behind Bldg. 169
- 3:00PM John from TetraTech was on site. We showed him the interior trenches that are in the contract. He said it was too wet for him to complete his testing of the area east and south of Bldg. 171.
- We did not receive verification sample test results from Microvac Labs as hoped; therefore hauling of non TSCA material will not begin until Monday.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/13/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Pressure washer - Do not get in front of it / Hands or Body parts
2. slips on mud
3. Saw Safety / ear plugs, kick back, Safety lock.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hard Hat
Activity: PPE: Steel toes.
Activity: PPE: Safety vest At Road
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell
Jeff Hooten	[illegible]
Chuck Proctor	Chuck Proctor

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/14/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-0011		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Cloudy	PM WEATHER	Cloudy/Rainy
MAX TEMP (F)	51	MIN TEMP (F)	43

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	4	Site Superintendent	7
	Continued shoveling material from the large trench and			Operator	3
	and collection basin. Continued clearing at upper drainage			Truck Driver	
	ditch behind Bldg. 169.			Laborer	8
				Laborer	8
				Laborer	8
	See attached Full Scale Daily Report				

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	34
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	295
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	329

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	3
	Rental	Excavator	
	TolTest	Service Truck	10
	TolTest	Pickup	8

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/14/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/14/08

REPORT NO. FC40-0011

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Pettit — AUTHORIZED QC MANAGER AT SITE — DATE 11/14/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.630.8501

Full Scale Daily Report

Attachment to: FC40-0011

Date: November 14, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Chuck Proctor (Laborer) Jeff Hooten (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:20AM- 9:45 Continued cleaning of large concrete trench leading to holding basin.
- 10:00AM-2:30PM Continued clearing drainage ditch area behind Bldg. 169.
- 9:00AM-2:00PM Continued cleaning material from interior trenches at Bldg. 171.
- 2:15PM–3:30PM Began clearing of small trees and installed Check dam at drainage ditch behind Bldg. 169.
- 3:30PM-4:30PM Finished installing a sediment control check dam consisting of a layer of rip rap, geotextile fabric and a layer of crushed stone.
- We did receive preliminary results of verification sampling from Microvac Labs late today. Stephanie Goodman, Hazardous Waste Manager of Republic Services, Inc., granted TolTest, Inc. approval to begin shipping the non hazardous waste on Monday. There are six trucks scheduled for Monday.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/14/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Saw Safety
2. Trips & Sharp Edges
3. Falling trees
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE:
Activity: PPE: Hard Hat
Activity: PPE: Steel toes
Activity: PPE: Safety glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Chuck Proctor	Chuck Proctor
Joe Caswell	Joe Caswell
Jeff Horton	Jeff Horton

Meeting Conducted By: Bill Wahlt — Bill Wahlt

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/17/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-012		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Cloudy	PM WEATHER	Cloudy/Rainy
MAX TEMP (F)	42	MIN TEMP (F)	34

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Suprintendent/Operator	3.5
	Began loading out non hazardous soil from the stockpile			Operator	8
	to go to Sycamore Ridge Landfill.			Truck Driver	
		LES/TolTest JV	1	Laborer	10.5
	See attached Full Scale Daily Report				

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	22
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	329
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	351

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	TolTest	Service Truck	11
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/17/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/17/08
REPORT NO	FC40-012

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #

INITIAL

WAS INITIAL PHASE WORK PREFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	Exclusionary, contamination reduction and support zones.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

AUTHORIZED QC MANAGER AT SITE — DATE 11/17/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-012

Date: November 17, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:20AM- 9:15AM Loaded five trucks from the stockpile of non hazardous soil, going to Sycamore Ridge Landfill.
- 9:30AM-12:00PM Excavated non hazardous soil east and south of Bldg. 171, and hauled oround to the stockpile.
- 12:00PM-2:30PM Loaded another five loads from the stockpile, bound for Sycamore Ridge Landfill.
- 2:30PM–3:30PM Excavated non hazardous soil east and south of Bldg. 171, and hauled oround to the stockpile.
- 3:30PM-5:00PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 2236101 Date: 1/17/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Trucks backing - Stay out of blind spots, Make eye contact with Driver
2. over head power lines with equip & truck beds.
3. Tipping of trucks, keep them leveled.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek when loading
Activity: PPE: Hard Hat
Activity: PPE: Steal toes
Activity: PPE: Safety vest.
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/18/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-013		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Partly Cloudy	PM WEATHER	Sunny
MAX TEMP (F)	40	MIN TEMP (F)	25

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Suprintendent/Operator/	2.5
	See attached Full Scale Daily Report			Operator	8
				Truck Driver	
		LES/TolTest JV	1	Laborer	9

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	19.5
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	351
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	370.5
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO		

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	4
	Rental	Excavator	4
	TolTest	Service Truck	11
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/18/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/18/08

REPORT NO. FC40-013

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 11/13/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Walton — AUTHORIZED QC MANAGER AT SITE — DATE 11/18/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-013

Date: November 18, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Began to open site and uncovering stockpile.
- 7:30AM- 8:30AM Loaded three trucks from the stockpile of non hazardous soil, going to Sycamore Ridge Landfill.
- 8:50AM All trucks cleared the scales with manifests authorized by Tom Brent.
- 8:50-1:00PM Excavated non hazardous soil west of Bldg. 169(drainage ditch), and hauled to the stockpile.
- 1:00PM Trucks returned with loads of fill dirt. Assisted them in dumping, then they went to scale for tare weight.
- 1:15PM-2:20PM Loaded another three loads of soil and stumps from the stockpile, bound for Sycamore Ridge Landfill.
- 2:30PM All trucks cleared the scales with manifests authorized by Tom Brent.
- 2:30PM–4:30PM Excavated non hazardous soil west of Bldg. 169(drainage ditch), and hauled to the stockpile.
- 4:30PM-5:00PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/17 08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Cold, keep on gloves
2. try to keep dry
3. If you get cold step and get warm.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hard Hat
Activity: PPE: Steel Toes
Activity: PPE: Safety Glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/19/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-014		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Partly Cloudy	PM WEATHER	Sunny
MAX TEMP (F)	40	MIN TEMP (F)	27

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Suprintendent/Operator/	4
	See attached Full Scale Daily Report			Operator	5
				Truck Driver	
		LES/TolTest JV	1	Laborer	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	17
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	370.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	387.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 700 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	1
	Rental	Excavator	2.5
	Rental	Excavator	2.5
	TolTest	Service Truck	9
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/19/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/19/08

REPORT NO. FC40-014

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/13/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watts

AUTHORIZED QC MANAGER AT SITE — DATE 11/19/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-014

Date: November 19, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Began to open site and uncovering stockpile.
- 7:30AM- 8:30AM Loaded one truck from the stockpile of non hazardous soil, going to Sycamore Ridge Landfill.
- 8:50-12:30PM Excavated non hazardous soil west of Bldg. 169(drainage ditch), and hauled to the stockpile, enough for one more load. Also started building perimeter fence around work area.
- 12:30PM Truck returned with a load of fill dirt. Assisted him in dumping, then he went to scale for tare weight.
- 12:45PM-1:15PM Loaded the truck with soil from the stockpile, bound for Sycamore Ridge Landfill.
- 1:30PM-3:00PM finished building perimeter fence around the drainage ditch area behind Bldg. 169.
- 3:00PM-4:00PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/19/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Foot traffic
2.
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Tyvek
Activity: PPE: Hard Hat
Activity: PPE: Safety Glasses
Activity: PPE: Steal toes
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell

Meeting Conducted By:

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/20/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-015		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Partly Cloudy	PM WEATHER	Sunny/Windy
MAX TEMP (F)	46	MIN TEMP (F)	28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Suprintendent/Operator/	6
	See attached Full Scale Daily Report			Operator	4
				Truck Driver	
		LES/TolTest JV	1	Laborer	9

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	19
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	387.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	406.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	3
	Rental	Excavator	1
	Rental	Excavator	
	TolTest	Service Truck	10
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/20/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/20/08

REPORT NO. FC40-015

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Whitt

AUTHORIZED QC MANAGER AT SITE — DATE 11/20/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph. 812.636.8501

Full Scale Daily Report

Attachment to: FC40-015

Date: November 20, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); Pam Houk (CAAA Safety); Dave Neal (NSA Fire Department), TetraTech

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Began to open site and uncovering stockpile.
- 7:45AM- 12:PM Began clearing of drainage ditch area behind Bldg. 171.
- 12:00PM TetraTech began verification sampling of drainage ditch behind Bldg. 169.
- 12:45PM-2:00PM Driver arrived at gate with Frac Tank. Associates met driver at gate, cleared area behind Bldg. 171 and directed driver as to placement of tank.
- 2:00PM Met with Pam Houk and Dave Neal to update permits.
- 2:15PM-4:00PM Secured equipment, covered the stockpile and secured zones planned pumping strategy for Friday morning.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/20/08 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. cold
2. need Gloves & Hat
3. Saw safety
4. Back strains
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard Hat
Activity: PPE: Steel toes
Activity: PPE: Safet Glasses
Activity: PPE: Gloves.
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe	Joe Caswell

Meeting Conducted By: Bill Webster Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/21/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-016		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Sunny	PM WEATHER	Sunny/Windy
MAX TEMP (F)	33	MIN TEMP (F)	23

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Suprintendent/Laborer/	9
	See attached Full Scale Daily Report			Operator	
				Truck Driver	
		LES/TolTest JV	1	Laborer	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	17
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	406.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	423.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	9
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/21/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/21/08

REPORT NO. FC40-016

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — AUTHORIZED QC MANAGER AT SITE — DATE 11/21/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-016

Date: November 21, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Bill Webster (Site Superintendent), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TetraTech

Work Performed:

- 7:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 7:15AM Began rigging pumps, filter, tank etc. to dewater excavations at Bldg. 169 & 171
- 7:45AM- 12:00PM Pumped and hauled water from excavations.
- 12:00PM Broke for lunch.
- 12:30PM Started pumping again. Freezing of valves and hoses hampered activities.
- 1:00PM-2:00PM TetraTech arrived on site to finish some GPS mapping at Bldg. 171.
- 3:00PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11/21/05 Time: 0700
Client: Beau Mitchell Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. cold/
2. need Gloves & Hat
3. Saw safety
4. Back Strains
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard Hat
Activity: PPE: Steel Toes
Activity: PPE: Safet Glasses
Activity: PPE: Gloves.
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe	Joe Caswell

Meeting Conducted By: Bill Webster Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/24/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-017		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Bill Webster
AM WEATHER	Rain	PM WEATHER	Light Rain
MAX TEMP (F)	47	MIN TEMP (F)	36

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Suprintendent/Laborer/	
	See attached Full Scale Daily Report			Operator	
				Truck Driver	
		LES/TolTest JV		Laborer	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	0
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	423.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	423.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/24/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/24/08

REPORT NO FC40-017

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Whitt 11/24/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-017

Date: November 24, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:

Subcontractor on Site:
(None)

Visitors on Site:

Work Performed:

- No work due to wet weather.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 11/25/08	REPORT NO: FC40-018
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Bill Webster	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 53	MIN TEMP (F): 28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Suprintendent/Laborer/	8
	See attached Full Scale Daily Report			Operator	
				Truck Driver	
		LES/TolTest JV	1	Laborer	8
			1	Laborer	8

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	24
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	423.5
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	447.5
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO		

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	8

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/25/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/25/08
REPORT NO	FC40-018

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 11/25/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-018

Date: November 25, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 8:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 8:15AM Began rigging pumps, filter, tank etc. to dewater excavations at Bldg. 169 & 171
- 8:45AM- 12:00PM Pumped and hauled water from excavations.
- 12:00PM Broke for lunch.
- 12:30PM-3:15 Started disassembling rail road rails and resetting car stop barricade at excavation east of Bldg. 166.
- 3:30PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 11-25-07 Time: 8:00
Client: ~~Beau Mitchell~~ Site Location: NSA Crane, IN
Work Activities: PUMP WATER
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Cross contamination
2. Equipment safety
3. Power cord check for damage use GFI
4.
5.

Chemical Hazards: _____

Physical Hazards: _____

Personal Protective Equipment:
Activity: _____ PPE: Level D
Activity: _____ PPE: _____
Activity: _____ PPE: _____
Activity: _____ PPE: _____
Activity: _____ PPE: _____

New Equipment: _____

Permits Required This Date: _____

Attendees

Name (Print)	Signature
Joe Caldwell	Joe Caldwell
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Gamble — Wayne Gamble

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	11/26/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-019		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	50	MIN TEMP (F)	31

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	4
	See attached Full Scale Daily Report			Operator	4
				Truck Driver	
		LES/TolTest JV	1	Laborer	8
		LES/TolTest JV	1	Laborer	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	24
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	447.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	471.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	1
	Rental	Excavator	1
	Rental	Excavator	3
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	1

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

11/26/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 11/26/08

REPORT NO FC40-019

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt

AUTHORIZED QC MANAGER AT SITE — DATE 11/26/08

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-019

Date: November 26, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Joe Caswell (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 8:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 8:15AM-10:15AM Cleaned tracks on excavator, loaded on trailer, transported to site east of Bldg. 169.
- 10:30AM-12:00PM Excavated material and hauled to stockpile at the rear of Bldg. 169.
- 12:00PM Broke for lunch.
- 12:30PM-2:30PM Continued excavation at site.
- 2:30PM-3:30PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~22336.01~~ 22367.01 Date: 11-26-07 Time: 8:00
Client: ~~Brett Mitchell~~ Site Location: NSA Crane, IN
Work Activities: Dirt Removal
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Truck Safety
2. Swing Area of Machine Stay Clear at All Times
3. Overhead Lines Be Aware Look up
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Joe Caswell	Joe Caswell
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/1/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-020		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Light Rain/Snow	PM WEATHER	Cloudy/Flurries
MAX TEMP (F)	45	MIN TEMP (F)	33

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
	See attached Full Scale Daily Report			Operator	6
		LES/TolTest JV	1	Laborer	3
		LES/TolTest JV		Operator	6

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	18
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	471.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	489.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	1
	Rental	Excavator	6
	Rental	Excavator	6
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/1/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/1/08

REPORT NO FC40-020

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 11/20/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 12/1/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-020

Date: December 1, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 6:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 6:15AM-7:15AM Cleaned tracks on excavators (2), loaded on trailer, transported to site east of Bldg. 171.
- 7:15AM-7:35PM Prepared loading site. (Covered road with poly lining and plywood)
- 7:35AM-9:00AM Excavated material and direct loaded onto semi dump trucks (4).
- 9:00AM-12:00PM Cleaned loading area, prepared new poly lining, checked all fencing, etc. while waiting for trucks to return.
- 12:00PM Broke for lunch.
- 1:25PM-2:45PM Continued excavation at site and loaded another round of trucks
- 2:45PM-3:30PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~22336.01~~ 22367.01 Date: 12-108 Time: 6:00
Client: ~~Bear Mitchell~~ NAVY Site Location: NSA Crane, IN
Work Activities: Remove soil
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Equipment Safety
2. Working in Roadway Be Aware at all Times
3. Over head Lines Keep Clear (Look up)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove soils PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster
~~[illegible]~~	

Meeting Conducted By:
Wayne Monk — [signature]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 12/2/08	REPORT NO: FC40-021
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Cloudy	PM WEATHER: Partly Cloudy	MAX TEMP (F): 46	MIN TEMP (F): 29

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
	See attached Full Scale Daily Report			Operator	6
		LES/TolTest JV	1	Laborer	2
		LES/TolTest JV		Operator	6

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	489.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	505.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED ☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	6
	Rental	Excavator	6
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/2/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/2/08
REPORT NO	FC40-021

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 12/2/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-021

Date: December 2, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV)

Work Performed:

- 6:15AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 6:30AM-7:45PM Prepared loading site. (Covered road with poly lining and plywood)
- 7:45AM-9:15AM Excavated material and direct loaded onto semi dump trucks (5).
- 9:00AM-11:30PM Excavated and piled soil for afternoon loading, cleaned loading area, prepared new poly lining, checked all fencing, etc. while waiting for trucks to return.
- 11:30PM Broke for lunch.
- 12:25PM-2:00PM Continued excavation at site and loaded another round of trucks
- 2:15PM-2:45PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-2-08 Time: 6:00
Client: ~~Beat Mitchell~~ NAVY Site Location: NSA Crane, IN
Work Activities: REMOVE SOILS
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. LOADING TRUCKS LOOK AROUND YOU BE AWARE
2. TRAFFIC SAFETY WATCH FOR CARS & TRUCKS
3. EQUIPMENT SAFETY WATCH FOR OTHER EQUIPMENT
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL Webster	Bill Webster

Meeting Conducted By:
Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/3/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-022		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy	PM WEATHER	Partly Cloudy
MAX TEMP (F)	47	MIN TEMP (F)	29

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
	See attached Full Scale Daily Report			Operator	8
		LES/TolTest JV	1	Laborer	2
		LES/TolTest JV		Operator	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	505.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	525.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 7:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/3/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/3/08

REPORT NO FC40-022

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watton 12/3/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-022

Date: December 3, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TetraTech

Work Performed:

- 6:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 6:150AM-6:30PM Prepared loading site. (Covered road with poly lining and plywood)
- 6:45AM-10:45AM Excavated material and direct loaded onto semi dump trucks (6).
- 10:45AM-11:30PM Excavated and piled soil for afternoon loading, cleaned loading area, prepared new poly lining, checked all fencing, etc. while waiting for trucks to return.
- 11:30PM Broke for lunch.
- 12:15PM-3:15PM Continued excavation at site and loaded another round of trucks (9).
- 3:15PM-4:00PM Secured equipment, covered the stockpile and secured zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-3-08 Time: 600
Client: ~~Brad Mitchell~~ NAVY Site Location: NSA Crane, IN
Work Activities: Remove Soils
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. 3 Point contact on & off machine
2. Dont Fuel hot equipment let it cool Down
3. Slip / Trips / Falls
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove Soils PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL Webster	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/4/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-023		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Cloudy	PM WEATHER	Partly Sunny
MAX TEMP (F)	34	MIN TEMP (F)	24

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	5
	See attached Full Scale Daily Report			Operator	4
		LES/TolTest JV	1	Laborer	5
				Operator	4

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 18
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 525.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 543.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 6:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	1
	Rental	Excavator	4
	Rental	Excavator	4
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/4/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/4/08
REPORT NO	FC40-023

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Watt — 12/4/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-023

Date: December 4, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Marty Endris (Project Coordinator) Brian Morgan (Project Manager)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TetraTech

Work Performed:

- 6:00AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 6:150AM-6:30PM Prepared loading site. (Covered road with poly lining and plywood)
- 6:45AM-9:30AM Excavated material and direct loaded onto semi dump trucks (3).
- 9:45AM-10:15PM Met with tetraTech and discussed testing.
- 10:30AM-11:30AM Cleaned up site at 171 area and at rear of Bldg. 169 and stock pile area.
- 11:30PM Broke for lunch.
- 12:30PM-2:15PM Prepared equipment for work tomorrow at Bldg. 169.
- 2:45PM-4:00PM Walked, discussed and strategized regarding our plan of attack for the drainage ditch to the south and west of Bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-4-08 Time: 600
Client: ~~Beau Mitchell~~ NAVY Site Location: NSA Crane, IN
Work Activities: Remove soils
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. P.P.E. WEAR IT
2. Loading Truck WATCH for Traffic
3. Equipment Safety/WATCH when BACKING UP
4. Frost Bite BEAWARE NOT TO Touch METAL WITH WET HANDS
5.

Chemical Hazards:

Physical Hazards: Cold weather

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/5/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-024		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Cloudy	PM WEATHER	Partly Sunny
MAX TEMP (F)	27	MIN TEMP (F)	13

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
	See attached Full Scale Daily Report			Operator	6
		LES/TolTest JV	1	Laborer	3
				Operator	6

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	18
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	543.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	561.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	The LES/TolTest JV Site Superintendent conducted a safety meeting 6:00 AM.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	6
	Rental	Excavator	6
	Rental	Excavator	
	TolTest	Service Truck	9
	TolTest	Pickup	
	TolTest	Dump Truck	3

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/5/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/5/08

REPORT NO FC40-024

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☒ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☒ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Watt — 12/5/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-024

Date: December 5, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Wayne Moore (Site Superintendent), Bill Webster (Laborer), Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV); TetraTech

Work Performed:

- 5:45AM The Site Superintendent conducted a safety meeting prior to the start of field activities.
- 6:150AM-6:30PM Uncover, prepare stockpile for additional loads.
- 6:45AM-12:00PM Excavated material and hauled around to stockpile on TolTest truck.
- 12:00AM TetraTech began remainder of testing at Bldg. 169.
- 12:30PM-1:30AM Cleaned stockpile area with brooms.
- 1:30PM-2:45PM Hauled a tank of water around to the frac tank.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-5-09 Time: 6:00
Client: NSA CRANE Site Location: Mine Fill B
Work Activities: Remove dust
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: 812-854-1235 Directions to Hospital: Hyw. 45 Through the Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Truck safety look for overhead lines when dumping
2. 3 point contact on & off machine
3. Slick surfaces watch your step
4. PPE wear it!
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:

Activity: Remove dust PPE: Lowell
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:

Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/5/08
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)	Tons	Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						65,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.304					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820
1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000

1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22								31,900
1022	12/1/2008		8:38	21		48,640	24.32								30,820
1009	12/1/2008		8:42	22		44,380	22.19								31,820
506	12/1/2008		8:54	23		43,140	21.57								33,120
1024-1	12/1/2008		13:58	24		47,900	23.95								31,700
1009	12/1/2008		14:37	25		48,080	24.04								31,460
506	12/1/2008		14:42	26		46,760	23.38								32,980
10506	12/2/2008		8:37	27		46,020	23.01								33,800
1024-4	12/2/2008		8:41	28		47,500	23.75								31,520
1024-1	12/2/2008		8:42	29		46,700	23.35								31,940
1022	12/2/2008		9:15	30		49,120	24.56								31,280
1084	12/2/2008		9:20	31		45,900	22.95								33,160
1024-1	12/2/2008		12:47	32		45,740	22.87								31,580
1024-4	12/2/2008		12:54	33		48,160	24.08								31,400
10506	12/2/2008		12:55	34		45,740	22.87								33,480
1022	12/2/2008		1:09	35		45,000	22.5								30,960
1084	12/2/2008		1:16	36		46,700	23.35								32,780
1024-1	12/3/2008		7:47	37		46,520	23.26								32,300
1024-4	12/3/2008		7:48	38		47,880	23.94								31,760
10506	12/3/2008		8:31	39		45,600	22.8								33,300
1009	12/3/2008		8:50	40		46,380	23.19								32,260
1084	12/3/2008		8:57	41		44,280	22.14								33,980
1022	12/3/2008		9:01	42		47,520	23.76								31,140
1024-1	12/3/2008		12:48	206031			0	47,920							31,940
1024-4	12/3/2008		12:59	206032			0	45,980							31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320					31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120					33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62								31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620					33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620					30,960
1009	12/4/2008		9:00	50		46,660	23.33								32,940
10506	12/4/2008		9:02	51		44,740	22.37								34,000
1022	12/4/2008		9:13	52		47,380	23.69								31,040
TOTALS						2379248		1285920		409220		845900		1207084	

TOLTEST, INC.

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 12/5/08
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,285,920	Heritage Landfill
Non-TSCA	2,379,248	Republic Landfill

Total TSCA Material	**642.96**	tons
Total Non-TSCA Material	**1,189.62**	tons
Total Material Disposed	**1,832.58**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/8/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-025		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM HER	Partly Sunny/Snow	PM WEATHER	Partly Cloudy
MAX TEMP (F)	36	MIN TEMP (F)	26

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	3
				Operator	
	No work on site today.				
		LES/TolTest JV		Laborer	3
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	6
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	561.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	567.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	3
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/8/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/8/08

REPORT NO FC40-025

PH

CONTRACT NO N40083-05-D-4015

CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 12/8/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-025

Date: December 8, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Marty Endris (Project Coordinator); Wayne Moore (Superintendant); Bill Webster (Laborer)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV);

Work Performed:

- No work on site today, we are awaiting verification sampling test results from TetraTech.
- The site was inspected by TolTest Associates to ensure stockpile was covered and zones secured.
- A water sample was collected from the 21,000 gal storage tank and sent to Microbac Laboratories to be tested for PCB's.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/9/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-026		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Rain/Cloudy	PM WEATHER	Rain/ Cloudy
MAX TEMP (F)	41	MIN TEMP (F)	32

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	3
				Operator	
	No work on site today.				
		LES/TolTest JV		Laborer	3
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	6
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	567.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	573.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED
	No activity on site today.

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	3
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/9/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/9/08
REPORT NO	FC40-026

PH	CONTRACT NO	N40083-05-D-4015	CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt 12/9/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-026

Date: December 9, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Marty Endris (Project Coordinator); Wayme Moore (Superintendant) ; Bill Webster (Laborer)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV);

Work Performed:

- No work on site today due to rain, and we are awaiting test results from TetraTech.
- The site was inspected by TolTest Associates to ensure stockpile was covered and zones secured.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/10/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-027		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy	PM WEATHER	Cloudy
MAX TEMP (F)	35	MIN TEMP (F)	28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	3
				Operator	
	No work on site today.				
		LES/TolTest JV		Laborer	3
				Operator	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	6
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	573.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	579.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	3
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/10/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/10/08
REPORT NO	FC40-027

PH

CONTRACT NO **N40083-05-D-4015** CONTRACT TITLE **SWMU 13, Mine Fill B, PCB Removal**

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian E. Watt 12/10/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-027

Date: December 10, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site:
Marty Endris (Project Coordinator); Wayne Moore (Superintendant); Bill Webster (Laborer)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV);

Work Performed:

- No work on site today due to wet weather, and we are awaiting test results from TetraTech.
- The site was inspected by TolTest Project Associates to ensure stockpile was covered and zones secured.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/11/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-028		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy	PM WEATHER	Cloudy
MAX TEMP (F)	34	MIN TEMP (F)	26

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	4
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	4
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 8
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 579.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 587.5
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	4
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/11/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/11/08
REPORT NO	FC40-028

PH

CONTRACT NO N40083-05-D-4015 CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt 12/11/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-028

Date: December 11, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Project Superintendant) Bill Webster (Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC); Tom Brent (PWD Crane EV);

Work Performed:

- No work on site today due to wet weather, and we are awaiting test results from TetraTech.
- Associates met with Tim Sears to discuss rain water that has gathered on site. They also worked on the coverings on the stockpile.
- Water samples were taken from the excavations at Bldg. 169 and Bldg. 171. The samples were sent to Microbac Laboratories to be tested for PCB's.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/12/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-029		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy	PM WEATHER	Partly Sunny
MAX TEMP (F)	32	MIN TEMP (F)	26

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	6
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	587.5
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	593.5
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO		

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	3
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/12/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/12/08

REPORT NO FC40-029

PH

CONTRACT NO N40083-05-D-4015

CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walter 12/12/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-029

Date: December 12, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Marty Endris (Project Coordinator); Wayne Moore (Superintendant); Bill Webster (Laborer)

Subcontractor on Site:
(None)

Visitors on Site:
Tim Sears (OICC);

Work Performed:

- No work on site today due to wet weather, and we are awaiting test results from TetraTech.
- TolTest Project Associates inspected site and checked stockpile covers.

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/12/08
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)	Tons	Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						65,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
24-3	11/7/2008		13:48	206065				48,680						48,166	31,960
024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.304					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
24-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820
1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000

1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
24-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
024-1	12/1/2008		8:02	20		46,440	23.22								31,900
1022	12/1/2008		8:38	21		48,640	24.32								30,820
1009	12/1/2008		8:42	22		44,380	22.19								31,820
506	12/1/2008		8:54	23		43,140	21.57								33,120
1024-1	12/1/2008		13:58	24		47,900	23.95								31,700
1009	12/1/2008		14:37	25		48,080	24.04								31,460
506	12/1/2008		14:42	26		46,760	23.38								32,980
10506	12/2/2008		8:37	27		46,020	23.01								33,800
1024-4	12/2/2008		8:41	28		47,500	23.75								31,520
1024-1	12/2/2008		8:42	29		46,700	23.35								31,940
1022	12/2/2008		9:15	30		49,120	24.56								31,280
1084	12/2/2008		9:20	31		45,900	22.95								33,160
1024-1	12/2/2008		12:47	32		45,740	22.87								31,580
1024-4	12/2/2008		12:54	33		48,160	24.08								31,400
10506	12/2/2008		12:55	34		45,740	22.87								33,480
1022	12/2/2008		1:09	35		45,000	22.5								30,960
1084	12/2/2008		1:16	36		46,700	23.35								32,780
1024-1	12/3/2008		7:47	37		46,520	23.26								32,300
1024-4	12/3/2008		7:48	38		47,880	23.94								31,760
10506	12/3/2008		8:31	39		45,600	22.8								33,300
009	12/3/2008		8:50	40		46,380	23.19								32,260
1084	12/3/2008		8:57	41		44,280	22.14								33,980
1022	12/3/2008		9:01	42		47,520	23.76								31,140
1024-1	12/3/2008		12:48	206031			0	47,920							31,940
1024-4	12/3/2008		12:59	206032			0	45,980							31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320					31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120					33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62								31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620					33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620					30,960
1009	12/4/2008		9:00	50		46,660	23.33								32,940
10506	12/4/2008		9:02	51		44,740	22.37								34,000
1022	12/4/2008		9:13	52		47,380	23.69								31,040
TOTALS						2379248		1285920		409220		845900		1207084	

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 12/12/08
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,285,920	Heritage Landfill
Non-TSCA	2,379,248	Republic Landfill

Total TSCA Material	**642.96**	tons
Total Non-TSCA Material	**1,189.62**	tons
Total Material Disposed	**1,832.58**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/15/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-030		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Rain/Sleet	PM WEATHER	Cloudy
MAX TEMP (F)	32	MIN TEMP (F)	24

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV		Laborer	
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 593.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 593.5
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/15/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/15/08
REPORT NO	FC40-030

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt 12/15/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-030

Date: December 15, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Marty Endris (Project Coordinator)

Subcontractor on Site:
(None)

Visitors on Site:

Work Performed:

- No work on site today due to wet weather.
- TolTest Project Coordinator inspected site and checked stockpile covers.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/16/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-031		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy	PM WEATHER	Cloudy/Rain
MAX TEMP (F)	25	MIN TEMP (F)	19

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV		Laborer	
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	593.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	593.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/16/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/16/08
REPORT NO	FC40-031

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt — 12/16/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-031

Date: December 16, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: (None)

Subcontractor on Site:
(None)

Visitors on Site:

Work Performed:

- No work on site today due to wet weather.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/17/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-032		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Freezing Rain	PM WEATHER	Cloudy/Cold
MAX TEMP (F)	31	MIN TEMP (F)	21

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	6
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	593.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	599.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today other than maintenance of site.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	3
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/17/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/17/08
REPORT NO	FC40-032

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt — 12/17/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-032

Date: December 17, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant); Bill Webster (Laborer)

Subcontractor on Site:
(None)

Visitors on Site: Nathan Skinner (CAAA Safety)

Work Performed:

- No work on site today due to wet weather
- Repaired fencing around zones and checked covering on stock pile

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-17-08 Time: 12:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. SLIPS / TRIPS / FALLS WATCH YOUR STEP
2. TRUCK SAFETY (CLEAR WIND SHEILD OF SNOW + ICE)
3. FROST BITE (KEPT GLOVES ON WHEN AROUND METAL OBJECTS)
4.
5.

Chemical Hazards:

Physical Hazards: (FROST BITE WHEN TOUCHING METAL SURFACES)

Personal Protective Equipment:
Activity: FENCE REPAIR PPE: LEATHER
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/18/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-033		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Freezing Rain	PM WEATHER	Cloudy/Cold
MAX TEMP (F)	31	MIN TEMP (F)	21

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	0
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV		Laborer	0
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 0
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 599.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 599.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today other than maintenance of site.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/18/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/18/08
REPORT NO	FC40-033

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 12/18/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-033

Date: December 18, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: (None)

Subcontractor on Site: (None)

Visitors on Site: (None)

Work Performed:

- No work on site today. Awaiting additional verification testing and resolution of rain water issue.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 12/19/08	REPORT NO: FC40-034
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Cloudy/Freezing Rain	PM WEATHER: Cloudy/Cold	MAX TEMP (F): 31	MIN TEMP (F): 21

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV		Superintendent/Laborer/	0
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV		Laborer	0
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	0
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	599.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	599.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today other than maintenance of site.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER — DATE

12/19/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/19/08
REPORT NO	FC40-034

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/1/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton 12/19/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-034

Date: December 19, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: (None)

Subcontractor on Site: (None)

Visitors on Site: (None)

Work Performed:

- No work on site today. Awaiting additional verification testing and resolution of rain water issue.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/22/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-035		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Clear/Cold	PM WEATHER	Sunny/Cold
MAX TEMP (F)	15	MIN TEMP (F)	1

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	10
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2.5
				Operator	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20.5
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	599.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	620

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.
	No activity on site today other than maintenance of site.	

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	10.5
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/22/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/22/08
REPORT NO	FC40-035

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 12/22/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-035

Date: December 22, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); John Floyd (TetraTech)

Work Performed:

- 7:30 AM -8:00AM Superintendant conducted site safety meeting
- 8:00AM-9:15AM Started equipment let warm up waited on trucks, it was around 1degree F
- 9:30AM-10:30AM Attended meeting at NAVFAC office building. Attendees:Tim Sears (OICC);Brian Morgan (TolTest Project Manager); Marty Endris (TolTest Project Coordinator); Wayne Moore (TolTest Superintendant); Bill Webster (TolTest Associate). There were discussions held regarding rain water control, verification sampling and the schedule over the holidays.
- 12:45PM The first of two trucks arrived and began installing the liner in the bed.
- 1:00PM-2:00PM Excavation of the designated floor area at Bldg. 171 was began and two trucks were loaded.
- 2:00PM-4:30 PM Additional areas at Build. 171 were excavated and piled to be ready to loud out tomorrow.
- 4:30PM-6:30PM Assisted TetraTech technician with sample pulling and breaking frozen ground.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-22-08 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities: Removal of PCB contaminated Soil Mine Fill B
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. (Cold) Dress in layers take breaks get inside if needed
2. Dont touch metal surfaces Be careful handled wear gloves
3. Dont fuel Equipment while its running
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	[signature]

Meeting Conducted By:
W Brook Moore [signature]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/23/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-036		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Cold	PM WEATHER	Cloudy/Rain
MAX TEMP (F)	33	MIN TEMP (F)	20

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	10
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	620
TOTAL WORK HOURS FROM START OF CONSTRUCTION	640

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/23/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/23/08
REPORT NO	FC40-036

PH

CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Platt 12/23/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-036

Date: December 23, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); John Floyd (TetraTech)

Work Performed:

- 7:00 AM -7:30AM Superintendant conducted site safety meeting
- 7:30AM-9:30AM Loaded trucks (4) with non-hazardous soil going to Sycamore Ridge Landfill.
- 9:30AM-11:30AM Continued excavating for next round of trucks.
- 12:30PM Has been raining and freezing since 11:00AM. Roads are extremely slick.
- 12:30PM-4:00PM Continued excavating and piling soil. Drained all areas where water was standing etc. Trucks did not return for second round due to bad road conditions.
- 4:00PM-5:30PM Repaired fencing around zones and covered stock piles.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-23-08 Time: 6:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. TRUCK SAFETY
2. EQUIPMENT SAFETY
3. TRAFFIC SAFETY
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster
WAYNE Moore	Wayne Moore

Meeting Conducted By:

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.676.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/14/08
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)	Tons	Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						65,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.304					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820
1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000

1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
24-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14								33,980
1022	12/3/2008		9:01	42		47,520	23.76								31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620	23	46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000
1022	12/4/2008		9:13	52		47,380	23.69								31,040
1074	12/22/2008		2:00	206034				46,200							32,180
1022	12/22/2008		1:27	206033				48,640							31,680
1052	12/23/2008		8:54	54		46,480									32,100
1074	12/23/2008		9:04	55		46,040									33,200
1056	12/23/2008		9:27	56		45,380									33,580
1022	12/23/2008		9:30	57		46,180									31,140
TOTALS						2563328		1380760		409220		2110960		1302250	

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 12/14/08
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,380,760	Heritage Landfill
Non-TSCA	2,563,328	Republic Landfill

Total TSCA Material	**690.38**	tons
Total Non-TSCA Material	**1,281.66**	tons
T Material Disposed	**1,972.04**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/29/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-037		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Cold	PM WEATHER	Cloudy/Rain
MAX TEMP (F)	49	MIN TEMP (F)	29

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	11
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	22
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	640
TOTAL WORK HOURS FROM START OF CONSTRUCTION	662

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	11
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/29/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 12/29/08

REPORT NO FC40-037

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walton 12/29/08

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.630.8501

Full Scale Daily Report

Attachment to: FC40-037

Date: December 29, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC);

Work Performed:

- 7:00 AM -7:30AM Superintendant conducted site safety meeting
- 7:30AM-10:30AM Loaded trucks (5) with non-hazardous soil going to Sycamore Ridge Landfill. Also pumped rain water from excavation at Bldg. 171. The water was pumped via a 3" trash pump and rubber hoses, directly into the 21,000 gal. holding tank, as directed by Tim Sears.
- 10:30AM-12:00AM Continued excavating for next round of trucks.
- 12:30PM-3:45 Continued excavating and loaded next round of trucks (6).
- 3:30PM-6:30PM Excavated clean dirt within the work area at Bldg.171 and backfilled the lowest point, as directed by Tim Sears.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12-29-08 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. TRUCK SAFETY WATCH WHEN BACKING UP
2. RAIL ROAD SAFETY BE AWARE WHEN WORKING CLOSE TO TRACKS
3. TRAFFIC SAFETY BE AWARE AT RUSH TIMES
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/30/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-038		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Sunny	PM WEATHER	Partly Sunny
MAX TEMP (F)	50	MIN TEMP (F)	30

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	10
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	662
TOTAL WORK HOURS FROM START OF CONSTRUCTION	682

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	11
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/30/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/30/08
REPORT NO	FC40-038

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 12/30/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-038

Date: December 30, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); John Floyd (Tetratech)

Work Performed:

- 7:00 AM -7:30AM Superintendant conducted site safety meeting
- 7:30AM-10:30AM Loaded trucks (4) with non-hazardous soil going to Sycamore Ridge Landfill.
- 10:30AM-12:00AM Continued excavating for next round of trucks. John Floyd (Tetratech) began collecting samples from excavated areas.
- 12:30PM-3:45 Continued excavating and loaded next round of trucks (4).
- 4:30PM-6:00PM Excavated clean dirt within the work area at Bldg.171and backfilled the lowest points. Cleaned loading area and hauled stone around to firm up loading area.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 12/30/08 Time: 0100
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. DUMP TRUCK SAFETY
2. RAIL ROAD SAFETY LOOK for TRAIN'S WHEN WORKING BY TRACKS
3. HAND TOOL SAFETY WATCH for
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	[signature]

Meeting Conducted By:
WAYNE MOORE [signature]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/31/08		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-039		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Sunny/Windy	PM WEATHER	Partly Sunny
MAX TEMP (F)	29	MIN TEMP (F)	20

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV		Superintendent/Laborer/	
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV		Laborer	
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	682
TOTAL WORK HOURS FROM START OF CONSTRUCTION	682

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

12/31/08

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	12/31/08
REPORT NO	FC40-039

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 12/31/08

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-039

Date: December 31, 2008

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC);

Work Performed:

- 9:00AM-9:30AM TolTest project coordinator visited site to tidy up wind damaged fencing. Crane truck scale closed today due to holidays.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/2/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-040		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Sunny	PM WEATHER	Partly Sunny
MAX TEMP (F)	40	MIN TEMP (F)	26

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
				Operator	6
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	6

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	682
TOTAL WORK HOURS FROM START OF CONSTRUCTION	698

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	6
	Rental	Excavator	6
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/2/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/2/09
REPORT NO	FC40-040

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 1/2/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-040

Date: January 2, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00 AM -7:30AM Superintendant conducted site safety meeting
- 7:30AM-8:30AM Repaired wind damaged zone fencing.
- 9:30AM-10:45AM Attended meeting at Tim Sears' office regarding test results and water control.
- 11:30PM-3:45PM Backfilled areas on north end of excavation at bldg. 171, as directed. Adjusted exclusion zone as discussed in meeting with Tim Sears.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/2/09 Time: 8:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Traffic Safety
2. Equipment Safety
3. Slips / Trips / Falls
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Repair PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/30/08
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						65,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TOLTEST INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/30/08
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620	23	46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 12/30/08
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69								31,040
1074	12/22/2008		2:00	206034				46,200							32,180
1022	12/22/2008		1:27	206033				48,640							31,680
1052	12/23/2008		8:54	54		46,480									32,100
1074	12/23/2008		9:04	55		46,040									33,200
1056	12/23/2008		9:27	56		45,380									33,580
1022	12/23/2008		9:30	57		46,180									31,140
1074	12/29/2008		8:26	58		44,700									32,940
1084	12/29/2008		8:40	59		42,740									33,420
1022	12/29/2008		9:01	60		48,400									31,640
1009	12/29/2008		9:04	61		45,620									32,920
1012	12/29/2008		9:15	62		46,140									31,820
1084	12/29/2008		1:33	63		46,380									33,280
1074	12/29/2008		1:47	64		46,360									32,840
1022	12/29/2008		2:13	65		48,280									31,580
1012	12/29/2008		2:24	66		46,540									31,800
1075-1	12/29/2008		3:22	67		45,840									32,980
1075-2	12/29/2008		3:19	68		46,060									31,560
1009	12/30/2008		8:37	69		47,500									32,860
1022	12/30/2008		8:51	70		48,180									31,720
1074	12/30/2008		9:05	71		44,100									32,580
1012	12/30/2008		9:07	72		46,940									31,840
1009	12/30/2008		1:02	73		44,820									32,720
1022	12/30/2008		1:19	74		45,640									31,540
1074	12/30/2008		1:52	75		48,100									32,340
1012	12/30/2008		2:04	76		45,340									32,200
TOTALS						3441008		1380760		409220		2202880		1302250	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 12/30/08
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,380,760	Heritage Landfill
Non-TSCA	3,441,008	Republic Landfill

Total TSCA Material	**690.38**	tons
Total Non-TSCA Material	**1,720.50**	tons
Total Material Disposed	**2,410.88**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/5/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-041		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Sunny	PM WEATHER	Partly Cloudy
MAX TEMP (F)	28	MIN TEMP (F)	23

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	8
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	6

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	698
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	714

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	4
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/5/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 1/5/09

REPORT NO FC40-041

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Walton — 1/5/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-041

Date: January 5, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV)

Work Performed:

- 8:00 AM -8:30AM Superintendant conducted site safety meeting
- 8:30AM-11:30AM Repaired wind damaged zone fencing. Cleaned up staging area.
- 1:00PM-2:15PM Attended meeting on site with Tim Sears and Tom Brent. We discussed progress from last week while Tom was on vacation; also discussed testing results and overall plan for completing north end of project.
- 2:15PM-4:30PM Excavated and piled material from the strip at bldg. 171 that has tested >50 ppm, and requires additional excavation per the last email from Tim Sears and Crane Environmental. Trucks are scheduled for tomorrow to transport material to Heritage Landfill.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-5-09 Time: 8:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Lifting By hand bend AT knees get help if needed
2. Pump safety dont fuel while running let it cool down
3. Slips / Trips / Falls watch your step
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: CLEANUP PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/6/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-042		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Freezing Rain	PM WEATHER	Cloudy/Light Rain
MAX TEMP (F)	31	MIN TEMP (F)	28

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	2
				Operator	6
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	6

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	714
TOTAL WORK HOURS FROM START OF CONSTRUCTION	730

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	6
	Rental	Excavator	6
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/6/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/6/09
REPORT NO	FC40-042

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Eric L. Walter — 1/6/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-042

Date: January 6, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV)

Work Performed:

- 7:30 AM -8:00AM Superintendant conducted site safety meeting
- 8:00AM-9:30AM Loaded trucks (2) with TSCA material from bldg. 171 area (2-4' bgs; strip between zones; extra dig).
- 9:30PM-11:45PM Cleaned loading zone, repaired fencing and cleared area at rear of bldg. 171.
- 12:15PM-2:30PM Excavated material and loaded trucks (2) with TSCA material, bound for Heritage Landfill.
- 2:30PM-4:15PM Cleaned loading zone, covered stock pile, swept road with broom.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/6/08 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Saving area of machine (stay clean at all Times)
2. hand Tool safety (know how To use Them)?
3. Back strain (bend at knees when lifting)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove Soil PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/7/09	REPORT NO: FC40-043
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Cloudy/Snow	PM WEATHER: Cloudy/Light Snow	MAX TEMP (F): 32	MIN TEMP (F): 27

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	6
				Operator	4
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	730
TOTAL WORK HOURS FROM START OF CONSTRUCTION	750

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER — DATE

1/7/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/7/09
REPORT NO	FC40-043

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 12/22/08.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 1/7/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-043

Date: January 7, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV); Jonh Floyd (Tetratech)

Work Performed:

- 7:30 AM -8:00AM Superintendant conducted site safety meeting
  8:00AM-10:00AM Loaded trucks (6) with TSCA material from bldg. 171 area (2-4' bgs; strip between zones; extra dig).
- 10:30AM Tetratech arrived on site but did not take samples.
- 10:00PM-12:00PM Continued excavating material for second round of trucks.
- 12:30PM-2:30PM Excavated material and loaded trucks (3) with non hazardous material, bound for Sycamore Ridge Landfill.
- 2:30PM-5:00PM Tetratech arrived back on site and pulled soil samples.
- 2:30PM-5:15PM Cleaned loading zone, swept road with broom, cleaned tracks on excavator, assisted Tetratech.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/7/09 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. dress in layers if cold dont touch metal surfaces bare handed
2. over head power line stay clear
3. Rail Road safety be aware of trains
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Layer up
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TOLTEST INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						65,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620	23	46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane; IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69								31,040
1074	12/22/2008		2:00	206034				46,200							32,180
1022	12/22/2008		1:27	206033				48,640							31,680
1052	12/23/2008		8:54	54		46,480									32,100
1074	12/23/2008		9:04	55		46,040									33,200
1056	12/23/2008		9:27	56		45,380									33,580
1022	12/23/2008		9:30	57		46,180									31,140
1074	12/29/2008		8:26	58		44,700									32,940
1084	12/29/2008		8:40	59		42,740									33,420
1022	12/29/2008		9:01	60		48,400									31,640
1009	12/29/2008		9:04	61		45,620									32,920
1012	12/29/2008		9:15	62		46,140									31,820
1084	12/29/2008		1:33	63		46,380									33,280
1074	12/29/2008		1:47	64		46,360									32,840
1022	12/29/2008		2:13	65		48,280									31,580
1012	12/29/2008		2:24	66		46,540									31,800
1075-1	12/29/2008		3:22	67		45,840									32,980
1075-2	12/29/2008		3:19	68		46,060									31,560
1009	12/30/2008		8:37	69		47,500									32,860
1022	12/30/2008		8:51	70		48,180									31,720
1074	12/30/2008		9:05	71		44,100									32,580
1012	12/30/2008		9:07	72		46,940									31,840
1009	12/30/2008		1:02	73		44,820									32,720
1022	12/30/2008		1:19	74		45,640									31,540
1074	12/30/2008		1:52	75		48,100									32,340
1012	12/30/2008		2:04	76		45,340									32,200
1009	1/6/2009		8:35	206035				46,340							32,300
10506	1/6/2009		8:42	206036				42,800							35,780
1009	1/6/2009		2:04	206037				48,120							32,140
10506	1/6/2009		2:13	206038				43,800							35,460
10506	1/7/2009		8:43	206039				44,960							35,840
1009	1/7/2009		8:53	206040				46,860							33,000
1074	1/7/2009		9:20	206041				46,960							33,200
1022	1/7/2009		9:22	206044				46,180							31,380
1056	1/7/2009		9:47	206042				45,680							33,540
1084	1/7/2009		9:56	206043				42,700							34,420
10506	1/7/2009		2:09	77		42,720									35,500
1009	1/7/2009		2:20	78		47,000									32,640
1022	1/7/2009		2:48	79		45,360									31,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

TOTALS						3576088		1835160		409220		2202880		1302250	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 1/7/09
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,835,160	Heritage Landfill
Non-TSCA	3,576,088	Republic Landfill

Total TSCA Material	**917.58**	tons
Total Non-TSCA Material	**1,788.04**	tons
Total Material Disposed	**2,705.62**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/8/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-044		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Cloudy	PM WEATHER	Partly Sunny
MAX TEMP (F)	33	MIN TEMP (F)	25

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	8
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	8
				Operator	

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	750
TOTAL WORK HOURS FROM START OF CONSTRUCTION	766

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/8/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/8/09
REPORT NO	FC40-044

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton 1/8/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-044

Date: January 8, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC);

Work Performed:

- 7:30 AM -8:00AM Superintendant conducted site safety meeting
- 8:00AM-11:30AM Cleared debris etc. from concrete pad at rear of bldg. 171, in preparation for building an access road to drainage ditch area to the south and west of bldg. 171.
- 12:00PM-4:00PM Continued clearing and hauling debris from concrete pad behind bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-8-07 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Pinch points.
2. Keep feet clear, Dropping or Falling pieces.
3. Back strains
4. Muddy - slips +
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/9/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-045		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	31	MIN TEMP (F)	24

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	8
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	8
				Operator	

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	766
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	782

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/9/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/9/09
REPORT NO	FC40-045

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walter — 1/9/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-045

Date: January 9, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator) Brian Morgan (Project Manager)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:30 AM -7:45AM Superintendant conducted site safety meeting.
- 8:00AM-10:00AM Attended progress meeting at NAVFAC office building.
- 10:00AM-11:30AM Cleared debris etc. from concrete pad at rear of bldg. 171, in preparation for building an access road to drainage ditch area to the south and west of bldg. 171.
- 12:00PM-4:00PM Continued clearing and hauling debris from concrete pad behind bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-9-09 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities: CLEANUP PAD
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Lifting by hand bend knees get help if need
2. Watch for sharp edges wear gloves
3. Watch your feet be aware at all times
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/12/09	REPORT NO: FC40-046
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 36	MIN TEMP (F): 32

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	6
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	6

JOB SAFETY				
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	12
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	782
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	794

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	4
	Rental	Excavator	6
	TolTest	Service Truck	6
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/12/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/12/09
REPORT NO	FC40-046

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walton — 1/12/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-046

Date: January 12, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 1:00 PM -1:15PM Superintendant conducted site safety meeting.
- 1:15PM-7:00PM Worked on building an access road to the south and west of bldg. 171. Cut the road bed in, undercut rail road bed, laid geotextile fabric and finished with # 2 limestone approximately 8 inches deep.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-12-09 Time: 100
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Equipment Safety
2. Three point contact on ladders
3. overhead Power Beaware
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: 2 WELD
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/13/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-047		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Light Snow	PM WEATHER	Cloudy
MAX TEMP (F)	32	MIN TEMP (F)	17

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	8

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	794
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	814

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	3
	Rental	Excavator	8
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/13/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/13/09
REPORT NO	FC40-047

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 1/13/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-047

Date: January 13, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV)

Work Performed:

- 6:00AM -6:30AM Superintendant conducted site safety meeting.
- 6:30AM-8:00AM Excavated drainage ditch south and west of bldg. 171to stockpile for loading.
- 7:30AM-8:00AM First three trucks arrived and installed liners.
- 8:00AM-9:15AM Loaded six trucks for first round to Sycamore Ridge Landfill.
- 9:30AM-11:30AM Installed sediment control dam at lowest end of ditch. Continued excavating and stockpiling material from drainage ditch.
- 12:00 AM-1:40PM Loaded second round of six trucks from drainage ditch area.
- 1:45PM-4:15PM Cleaned tracks on equipment, fueled equipment and graded access road.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-13-09 Time: 600
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Swing Area of machine STAY AT ALL TIMES
2. Dont Fuel hot Equipment Let it Cool Down
3. Trench Safety Slope Bank / Trench Box / Shields
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: remove PCB Soil PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster
Wayne Moore	Wayne Moore

Meeting Conducted By:

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/14/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-048		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Light Snow	PM WEATHER	Cloudy
MAX TEMP (F)	31	MIN TEMP (F)	14

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	814
TOTAL WORK HOURS FROM START OF CONSTRUCTION	834

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	3
	Rental	Excavator	8
	Rental	Excavator	8
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/14/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/14/09
REPORT NO	FC40-048

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt 1/14/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-048

Date: January 14, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV)

Work Performed:

- 7:00AM -7:30AM Superintendant conducted site safety meeting.
- 7:30AM-8:15AM Excavated drainage ditch south and west of bldg. 171to stockpile for loading.
- 8:00AM-8:15AM First four trucks arrived and installed liners.
- 8:15AM-11:00AM Loaded six trucks for first round to Sycamore Ridge Landfill.
- 11:00AM-12:30PM Continued excavating and stockpiling material from drainage ditch.
- 12:30 PM-1:40PM Loaded second round of four trucks from drainage ditch area.
- 1:45PM-2:30PM Tom Brent visited site and discussed progress.
- 2:40PM-5:15PM Cleaned tracks on equipment and fueled equipment.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-14-04 Time:
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Trench safety
2. Cold weather Dont touch metal hand handled
3. Dress in layers its cold
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove PCB soils PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/15/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-049		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Light Snow	PM WEATHER	Cloudy
MAX TEMP (F)	10	MIN TEMP (F)	-3

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	.5
				Operator	10
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	.5
				Operator	12

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	834
TOTAL WORK HOURS FROM START OF CONSTRUCTION	857

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	3
	Rental	Excavator	12
	Rental	Excavator	10
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/15/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 1/15/09

REPORT NO FC40-049

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

AUTHORIZED QC MANAGER AT SITE — DATE 1/15/09

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-049

Date: January 15, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV) John Floyd (Tetratech); Betsy Collins (Tetratech)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-8:15AM Excavated drainage ditch south and west of bldg. 171to stockpile for loading.
- 8:00AM-8:15AM First four trucks arrived and installed liners.
- 8:15AM-11:00AM Loaded seven trucks for first round to Sycamore Ridge Landfill.
- 11:00AM-12:30PM Continued excavating and stockpiling drainage ditch below RR bed.
- 12:30 PM-3:10PM Loaded second round of six trucks from drainage ditch area.
- 3:15PM-7:30PM Worked on getting concrete sump out with wrecking ball and two excavators.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/15 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Frigid cold.
2. Keep all skin covered out & on open cab equip.
3. around water, If you get wet dry off imediatly
4.
5.

Chemical Hazards:

Physical Hazards: cold,

Personal Protective Equipment:
Activity: PPE: Hard Hat
Activity: PPE: steal toes
Activity: PPE: Gloves
Activity: PPE: safety glasses.
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/16/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-050		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	34	MIN TEMP (F)	21

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	.5
				Operator	10
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	10

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	20.5
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	857
TOTAL WORK HOURS FROM START OF CONSTRUCTION	877.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	5
	Rental	Excavator	10
	Rental	Excavator	5
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	3

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/16/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 1/16/09

REPORT NO FC40-050

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian J. Walter — 1/16/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-050

Date: January 16, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC); Tom Brent (Crane EV) John Floyd (Tetratech); Betsy Collins (Tetratech)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:45AM Excavated concrete sumps south of bldg. 171.
- 8:00AM-9:30AM Loaded three trucks for first round to Sycamore Ridge Landfill.
- 11:00AM-12:30PM Continued excavating and demolition of sump.
- 12:30 PM-3:10PM Loaded second round of three trucks from stock pile.
- 3:15PM-5:30PM Worked on backfill and grading of sump area.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-16-09 Time: 900
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. SLIP - TRIPS / FALLS (WATCH YOUR STEP)
2. DONT TOUCH METEL SURFACES (BARE HANDED)
3. OVERHEAD POWER LINE (LOOK UP)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: REMOVE SOIL PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						46,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620		46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69								31,040
1074	12/22/2008		2:00	206034				46,200							32,180
1022	12/22/2008		1:27	206033				48,640							31,680
1052	12/23/2008		8:54	54		46,480									32,100
1074	12/23/2008		9:04	55		46,040									33,200
1056	12/23/2008		9:27	56		45,380									33,580
1022	12/23/2008		9:30	57		46,180									31,140
1074	12/29/2008		8:26	58		44,700									32,940
1084	12/29/2008		8:40	59		42,740									33,420
1022	12/29/2008		9:01	60		48,400									31,640
1009	12/29/2008		9:04	61		45,620									32,920
1012	12/29/2008		9:15	62		46,140									31,820
1084	12/29/2008		1:33	63		46,380									33,280
1074	12/29/2008		1:47	64		46,360									32,840
1022	12/29/2008		2:13	65		48,280									31,580
1012	12/29/2008		2:24	66		46,540									31,800
1075-1	12/29/2008		3:22	67		45,840									32,980
1075-2	12/29/2008		3:19	68		46,060									31,560
1009	12/30/2008		8:37	69		47,500									32,860
1022	12/30/2008		8:51	70		48,180									31,720
1074	12/30/2008		9:05	71		44,100									32,580
1012	12/30/2008		9:07	72		46,940									31,840
1009	12/30/2008		1:02	73		44,820									32,720
1022	12/30/2008		1:19	74		45,640									31,540
1074	12/30/2008		1:52	75		48,100									32,340
1012	12/30/2008		2:04	76		45,340									32,200
1009	1/6/2009		8:35	206035				46,340							32,300
10506	1/6/2009		8:42	206036				42,800							35,780
1009	1/6/2009		2:04	206037				48,120							32,140
10506	1/6/2009		2:13	206038				43,800							35,460
10506	1/7/2009		8:43	206039				44,960							35,840
1009	1/7/2009		8:53	206040				46,860							33,000
1074	1/7/2009		9:20	206041				46,960							33,200
1022	1/7/2009		9:22	206044				46,180							31,380
1056	1/7/2009		9:47	206042				45,680							33,540
1084	1/7/2009		9:56	206043				42,700							34,420
10506	1/7/2009		2:09	77		42,720									35,500
1009	1/7/2009		2:20	78		47,000									32,640
1022	1/7/2009		2:48	79		45,360									31,000
1012	1/13/2009		8:34	81		41,080									32,700
1009	1/13/2009		8:23	82		45,140									32,200
1074	1/13/2009		8:44	83		44,920									33,000

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1056	1/13/2009		8:54	84		43,860									33,020
1022	1/13/2009		9:07	85		46,940									31,260
1084	1/13/2009		9:14	86		40,300									34,480
1009	1/13/2009		12:26	87		46,780									32,160
1074	1/13/2009		12:52	88		45,820									32,720
1056	1/13/2009		1:02	89		45,780									33,320
1012	1/13/2009		1:16	90		47,100									32,440
1084	1/13/2009		1:30	91		44,260									34,200
1022	1/13/2009		1:39	92		48,520									31,180
1012	1/14/2009		8:07	93		43,600									32,120
1074	1/14/2009		8:20	94		44,160									33,500
1084	1/14/2009		8:31	95		43,920									33,940
1056	1/14/2009		9:11	96		44,180									33,900
1022	1/14/2009		10:44	97		44,320									31,580
1009	1/14/2009		10:56	98		46,100									33,000
1012	1/14/2009		12:46	99		45,620									31,980
1074	1/14/2009		1:04	100		46,160									33,360
1056	1/14/2009		1:16	101		44,400									34,000
1084	1/14/2009		1:34	102		41,900									33,780
1009	1/15/2009		8:50	103		44,040									32,620
1012	1/15/2009		8:37	104		43,060									31,760
1056	1/15/2009		9:11	105		44,420									33,420
1074	1/15/2009		9:25	106		41,320									33,120
1084	1/15/2009		10:02	107		46,640									33,500
1052	1/15/2009		10:01	108		47,120									31,880
1022	1/15/2009		10:46	109		48,460									31,300
1012	1/15/2009		12:54	110		43,140									31,740
1009	1/15/2009		1:05	111		45,760									32,320
1056	1/15/2009		1:21	112		44,200									33,460
1074	1/15/2009		1:33	113		44,360									32,860
1052	1/15/2009		2:47	114		45,860									32,620
1084	1/15/2009		2:28	115		45,820									33,280
1074	1/16/2009		8:17	116		42,080									33,160
1009	1/16/2009		8:31	117		45,240									32,940
1022	1/16/2009		8:43	118		44,000									31,160
1012	1/16/2009		8:57	119		44,900									32,720
1009	1/16/2009		1:18	120		42,320									32,680
1074	1/16/2009		1:21	121		45,420									33,280
1012	1/16/2009		1:53	122		46,480									32,540
1022	1/16/2009		2:16	53		48,100									31,060
TOTALS						5503688		1835160		409220		2202880		1283250	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 1/7/09
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,835,160	Heritage Landfill
Non-TSCA	5,503,688	Republic Landfill

Total TSCA Material	**917.58**	tons
Total Non-TSCA Material	**2,751.84**	tons
Total Material Disposed	**3,669.42**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/17/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-051		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny/Windy	PM WEATHER	PartlySunny/Windy
MAX TEMP (F)	33	MIN TEMP (F)	19

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	1
				Operator	9
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	9

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	19
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	877.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	896.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	9
	Rental	Excavator	4
	TolTest	Service Truck	10
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/17/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/17/09
REPORT NO	FC40-051

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walter — 1/17/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-051

Date: January 17, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:45AM Started up equipment for warm up.
- 8:00AM-8:30AM Moved excavator from back side of job site to the front of bldg. 161.
- 8:30AM-10:00AM Pumped and hauled approximately 3000 gal. of water from excavation at bldg. 161 to holding tank.
- 10:00AM-12:00PM Excavated and hauled soil from area east of bldg. 161 to stockpile (4) loads.
- 12:00PM-1:30PM Removed T rail and ties from site at bldg. 161 to prepare for more excavation.
- 1:30PM-3:00PM Excavated and hauled soil from rail road area at bldg. 161 to stockpile at the rear of bldg. 161.
- 3:00PM-4:00PM Moved excavator from Bldg. 161 area to bldg. 171 area, in preparation for Monday.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-17-09 Time: 700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. 3 POINT CONTACT UP AND DOWN LADDER
2. DONT FUEL HOT EQUIPMENT
3. DECON BEFORE YOU MOVE EQIPMENT
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: REMOVE SOIL PPE: HEUELD
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE [signature]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						46,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89								32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620		46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69								31,040
1074	12/22/2008		2:00	206034				46,200							32,180
1022	12/22/2008		1:27	206033				48,640							31,680
1052	12/23/2008		8:54	54		46,480									32,100
1074	12/23/2008		9:04	55		46,040									33,200
1056	12/23/2008		9:27	56		45,380									33,580
1022	12/23/2008		9:30	57		46,180									31,140
1074	12/29/2008		8:26	58		44,700									32,940
1084	12/29/2008		8:40	59		42,740									33,420
1022	12/29/2008		9:01	60		48,400									31,640
1009	12/29/2008		9:04	61		45,620									32,920
1012	12/29/2008		9:15	62		46,140									31,820
1084	12/29/2008		1:33	63		46,380									33,280
1074	12/29/2008		1:47	64		46,360									32,840
1022	12/29/2008		2:13	65		48,280									31,580
1012	12/29/2008		2:24	66		46,540									31,800
1075-1	12/29/2008		3:22	67		45,840									32,980
1075-2	12/29/2008		3:19	68		46,060									31,560
1009	12/30/2008		8:37	69		47,500									32,860
1022	12/30/2008		8:51	70		48,180									31,720
1074	12/30/2008		9:05	71		44,100									32,580
1012	12/30/2008		9:07	72		46,940									31,840
1009	12/30/2008		1:02	73		44,820									32,720
1022	12/30/2008		1:19	74		45,640									31,540
1074	12/30/2008		1:52	75		48,100									32,340
1012	12/30/2008		2:04	76		45,340									32,200
1009	1/6/2009		8:35	206035				46,340							32,300
10506	1/6/2009		8:42	206036				42,800							35,780
1009	1/6/2009		2:04	206037				48,120							32,140
10506	1/6/2009		2:13	206038				43,800							35,460
10506	1/7/2009		8:43	206039				44,960							35,840
1009	1/7/2009		8:53	206040				46,860							33,000
1074	1/7/2009		9:20	206041				46,960							33,200
1022	1/7/2009		9:22	206044				46,180							31,380
1056	1/7/2009		9:47	206042				45,680							33,540
1084	1/7/2009		9:56	206043				42,700							34,420
10506	1/7/2009		2:09	77		42,720									35,500
1009	1/7/2009		2:20	78		47,000									32,640
1022	1/7/2009		2:48	79		45,360									31,000
1012	1/13/2009		8:34	81		41,080									32,700
1009	1/13/2009		8:23	82		45,140									32,200
1074	1/13/2009		8:44	83		44,920									33,000

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/7/09
TolTest Project No. 22367

1056	1/13/2009		8:54	84		43,860									33,020
1022	1/13/2009		9:07	85		46,940									31,260
1084	1/13/2009		9:14	86		40,300									34,480
1009	1/13/2009		12:26	87		46,780									32,160
1074	1/13/2009		12:52	88		45,820									32,720
1056	1/13/2009		1:02	89		45,780									33,320
1012	1/13/2009		1:16	90		47,100									32,440
1084	1/13/2009		1:30	91		44,260									34,200
1022	1/13/2009		1:39	92		48,520									31,180
1012	1/14/2009		8:07	93		43,600									32,120
1074	1/14/2009		8:20	94		44,160									33,500
1084	1/14/2009		8:31	95		43,920									33,940
1056	1/14/2009		9:11	96		44,180									33,900
1022	1/14/2009		10:44	97		44,320									31,580
1009	1/14/2009		10:56	98		46,100									33,000
1012	1/14/2009		12:46	99		45,620									31,980
1074	1/14/2009		1:04	100		46,160									33,360
1056	1/14/2009		1:16	101		44,400									34,000
1084	1/14/2009		1:34	102		41,900									33,780
1009	1/15/2009		8:50	103		44,040									32,620
1012	1/15/2009		8:37	104		43,060									31,760
1056	1/15/2009		9:11	105		44,420									33,420
1074	1/15/2009		9:25	106		41,320									33,120
1084	1/15/2009		10:02	107		46,640									33,500
1052	1/15/2009		10:01	108		47,120									31,880
1022	1/15/2009		10:46	109		48,460									31,300
1012	1/15/2009		12:54	110		43,140									31,740
1009	1/15/2009		1:05	111		45,760									32,320
1056	1/15/2009		1:21	112		44,200									33,460
1074	1/15/2009		1:33	113		44,360									32,860
1052	1/15/2009		2:47	114		45,860									32,620
1084	1/15/2009		2:28	115		45,820									33,280
1074	1/16/2009		8:17	116		42,080									33,160
1009	1/16/2009		8:31	117		45,240									32,940
1022	1/16/2009		8:43	118		44,000									31,160
1012	1/16/2009		8:57	119		44,900									32,720
1009	1/16/2009		1:18	120		42,320									32,680
1074	1/16/2009		1:21	121		45,420									33,280
1012	1/16/2009		1:53	122		46,480									32,540
1022	1/16/2009		2:16	53		48,100									31,060
TOTALS						5503688		1835160		409220		2202880		1283250	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 1/7/09
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,835,160	Heritage Landfill
Non-TSCA	5,503,688	Republic Landfill

Total TSCA Material	**917.58**	tons
Total Non-TSCA Material	**2,751.84**	tons
Total Material Disposed	**3,669.42**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/19/09	REPORT NO: FC40-052
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: PartlySunny	MAX TEMP (F): 34	MIN TEMP (F): 17

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	1
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	1
				Operator	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 18
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 896.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 914.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	4
	Rental	Excavator	8
	Rental	Excavator	4
	TolTest	Service Truck	9
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/19/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/19/09
REPORT NO	FC40-052

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 1/19/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-052

Date: January 19, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant) Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-10:30AM Loaded three trucks with soil excavated from bldg. 161 area.
- 10:30AM-12:45PM Excavated a few remaining areas from the drainage channel east and south of bld. 171, then hauled to the stockpile at rear of bldg. 161.
- 12:45PM-3:30PM Loaded out three trucks with material excavated from bldg. 161.
- 3:30PM-4:30PM Cleaned loading area and fueled equipment.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-19-01 Time: 9:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Equipment Safety
2. Loading Trucks Keep Drivers inside Vehicle during
3. Truck) safety Look before you Back
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/20/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-053		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	34	MIN TEMP (F)	12

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	914.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	930.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	8
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/20/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 1/20/09

REPORT NO FC40-053

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/7/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Walton — 1/20/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph. 812.636.8501

Full Scale Daily Report

Attachment to: FC40-053

Date: January 20, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC), Tom Brent (Crane EV)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-8:00AM Started up equipment and moved truck by frac tank.
- 8:00AM-10:15AM Loaded two Clean Harbors tanker trucks from frac tank.
- 8:00AM-3:00PM Worked on backfilling excavation east and north of bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/2 0/07 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Pumping Water 13° - Try to Keep dry
2. Freezed Slips
3. Tank Is Slick, use Hand rails
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard Hats
Activity: PPE: Steel Toes
Activity: PPE: Safety Glasses
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	[illegible]

Meeting Conducted By:

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/21/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-054		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	35	MIN TEMP (F)	15

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	930.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	946.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	8
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/21/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/21/09
REPORT NO	FC40-054

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed during this reporting period is in compliance with the contract.

Brian L. Walter — 1/21/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-054

Date: January 21, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC), Tom Brent (Crane EV)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:45AM Started up equipment to warm up.
- 8:00AM-11:30AM backfilled excavation east and north of bldg. 171.
- 11:30AM-12:30PM Moved excavator to rear of bldg. 169 to begin demolition of sump B.
- 12:30PM-3:30PM Hauled water from sump B to holding tank.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/22/09 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Truck traffic
2. Rocking Ball - Flying Debri
3. Dump Truck. Keep bed down to drive
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By: Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO	N40083-05-D-4015	DATE	1/22/09
TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal	REPORT NO	FC40-055
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore

AM WEATHER	PM WEATHER	MAX TEMP (F)	MIN TEMP (F)
Sunny	Sunny	45	18

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	2
				Operator	10
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	2
				Operator	10

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	24
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	946.5
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	970.5
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO		

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	2
	Rental	Excavator	10
	Rental	Excavator	8
	TolTest	Service Truck	12
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/22/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 1/22/09

REPORT NO FC40-055

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton — 1/22/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-055

Date: January 22, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC), Tom Brent (Crane EV), John Floyd & Associate (Tetra Tech)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:45AM Started up equipment to warm up.
- 7:45AM-9:00AM Loaded two trucks from stockpile and began excavating sump B.
- 9:00AM- 10:30AM Excavated additional dirt from drainage ditch behind bldg. 171 as directed, per verification sampling results.
- 10:30AM-12:00PM Continued demolition and excavation of sump B. Also off-loaded 5,100 gallons of contaminated water from holding tank onto Clean Harbors Inc. tanker.
- 12:00PM-1:30PM Loaded two trucks with the material excavated from drainage ditch and sump.
- 1:30PM-4:00PM Finished removing sump B as well as another smaller concrete box.
- 4:00PM-7:00PM Excavated additional material from drainage ditch behind bldg. 17. Also backfilled lower end of drainage ditch.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/22/09 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Freeze is going out - Equip can slide on slopes
2. 3 point Mount and displacat.
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard hat
Activity: PPE: steel toes
Activity: PPE: Safety Glasses
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/23/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-056		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	46	MIN TEMP (F)	20

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	1
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 17
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 970.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 987.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	1
	Rental	Excavator	8
	Rental	Excavator	8
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/23/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/23/09
REPORT NO	FC40-056

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 1/23/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-056

Date: January 23, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: (None)

Visitors on Site: Tim Sears (OICC), Tom Brent (Crane EV), John Floyd & Associate (Tetra Tech)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:30AM Started up equipment to warm up.
- 7:30AM-10:30AM Loaded two trucks from bldg. 171 drainage ditch area and backfilled drainage ditch area below rail road bed.
- 10:30AM- 12:30AM Backfilled drainage ditch behind bld. 171 east of rail road bed.
- 12:30AM-1:30PM Loaded two trucks on second round and backfilled sump B area.
- 1:30PM-3:30PM Cleaned up site, cleaned tracks of excavator 1935 which was called off rent; (101877) is call off number from MacAllister Cat.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1/23/09 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Foot Traffic with water trucks
2. Loading close to over head power lines.
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Steel toes
Activity: PPE: Safety glasses
Activity: PPE: ~~Safety~~ Hard Hat
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8901

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/23/09
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						46,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/23/09
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89					47,460			32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620		46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/23/09
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69					47,320			31,040
1074	12/22/2008		2:00	206034				46,200						46,220	32,180
1022	12/22/2008		1:27	206033				48,640						48,640	31,680
1052	12/23/2008		8:54	54		46,480						46,600			32,100
1074	12/23/2008		9:04	55		46,040						46,240			33,200
1056	12/23/2008		9:27	56		45,380						45,620			33,580
1022	12/23/2008		9:30	57		46,180						46,100			31,140
1074	12/29/2008		8:26	58		44,700						44,800			32,940
1084	12/29/2008		8:40	59		42,740						44,000			33,420
1022	12/29/2008		9:01	60		48,400						47,760			31,640
1009	12/29/2008		9:04	61		45,620						45,560			32,920
1012	12/29/2008		9:15	62		46,140						46,200			31,820
1084	12/29/2008		1:33	63		46,380						45,740			33,280
1074	12/29/2008		1:47	64		46,360						46,180			32,840
1022	12/29/2008		2:13	65		48,280						47,960			31,580
1012	12/29/2008		2:24	66		46,540						46,640			31,800
1075-1	12/29/2008		3:22	67		45,840						45,840			32,980
1075-2	12/29/2008		3:19	68		46,060						46,060			31,560
1009	12/30/2008		8:37	69		47,500						47,640			32,860
1022	12/30/2008		8:51	70		48,180						48,060			31,720
1074	12/30/2008		9:05	71		44,100						44,820			32,580
1012	12/30/2008		9:07	72		46,940						47,260			31,840
1009	12/30/2008		1:02	73		44,820						44,740			32,720
1022	12/30/2008		1:19	74		45,640						46,060			31,540
1074	12/30/2008		1:52	75		48,100						48,880			32,340
1012	12/30/2008		2:04	76		45,340						45,820			32,200
1009	1/6/2009		8:35	206035				46,340							32,300
10506	1/6/2009		8:42	206036				42,800							35,780
1009	1/6/2009		2:04	206037				48,120							32,140
10506	1/6/2009		2:13	206038				43,800							35,460
10506	1/7/2009		8:43	206039				44,960							35,840
1009	1/7/2009		8:53	206040				46,860							33,000
1074	1/7/2009		9:20	206041				46,960							33,200
1022	1/7/2009		9:22	206044				46,180						46,360	31,380
1056	1/7/2009		9:47	206042				45,680							33,540
1084	1/7/2009		9:56	206043				42,700						42,528	34,420
10506	1/7/2009		2:09	77		42,720									35,500
1009	1/7/2009		2:20	78		47,000									32,640
1022	1/7/2009		2:48	79		45,360									31,000
1012	1/13/2009		8:34	81		41,080						44,000			32,700
1009	1/13/2009		8:23	82		45,140									32,200
1074	1/13/2009		8:44	83		44,920									33,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/23/09
TolTest Project No. 22367

1056	1/13/2009		8:54	84		43,860									33,020
1022	1/13/2009		9:07	85		46,940						46,860			31,260
1084	1/13/2009		9:14	86		40,300									34,480
1009	1/13/2009		12:26	87		46,780									32,160
1074	1/13/2009		12:52	88		45,820									32,720
1056	1/13/2009		1:02	89		45,780									33,320
1012	1/13/2009		1:16	90		47,100						47,240			32,440
1084	1/13/2009		1:30	91		44,260									34,200
1022	1/13/2009		1:39	92		48,520						48,460			31,180
1012	1/14/2009		8:07	93		43,600									32,120
1074	1/14/2009		8:20	94		44,160									33,500
1084	1/14/2009		8:31	95		43,920									33,940
1056	1/14/2009		9:11	96		44,180									33,900
1022	1/14/2009		10:44	97		44,320									31,580
1009	1/14/2009		10:56	98		46,100									33,000
1012	1/14/2009		12:46	99		45,620									31,980
1074	1/14/2009		1:04	100		46,160									33,360
1056	1/14/2009		1:16	101		44,400									34,000
1084	1/14/2009		1:34	102		41,900									33,780
1009	1/15/2009		8:50	103		44,040									32,620
1012	1/15/2009		8:37	104		43,060									31,760
1056	1/15/2009		9:11	105		44,420									33,420
1074	1/15/2009		9:25	106		41,320									33,120
1084	1/15/2009		10:02	107		46,640									33,500
1052	1/15/2009		10:01	108		47,120									31,880
1022	1/15/2009		10:46	109		48,460									31,300
1012	1/15/2009		12:54	110		43,140									31,740
1009	1/15/2009		1:05	111		45,760									32,320
1056	1/15/2009		1:21	112		44,200									33,460
1074	1/15/2009		1:33	113		44,360									32,860
1052	1/15/2009		2:47	114		45,860									32,620
1084	1/15/2009		2:28	115		45,820									33,280
1074	1/16/2009		8:17	116		42,080									33,160
1009	1/16/2009		8:31	117		45,240									32,940
1022	1/16/2009		8:43	118		44,000									31,160
1012	1/16/2009		8:57	119		44,900									32,720
1009	1/16/2009		1:18	120		42,320									32,680
1074	1/16/2009		1:21	121		45,420									33,280
1012	1/16/2009		1:53	122		46,480									32,540
1022	1/16/2009		2:16	53		48,100									31,060
1074	1/19/2009		9:41	124		43,620									33,200
1012	1/19/2009		10:04	125		42,760									32,800

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 1/23/09
TolTest Project No. 22367

1022	1/19/2009		10:36	126		42,220									31,460
1074	1/19/2009		2:30	127		45,040									32,960
1022	1/19/2009		3:46	128		45,520									31,040
1012	1/19/2009		3:20	129		45,700									32,380
1012	1/22/2009		8:29	130		46,520									32,000
1022	1/22/2009		9:16	131		44,800									31,200
1012	1/22/2009		13:41	123		46,880									31,760
1022	1/22/2009		2:25	132		48,300									30,780
1012	1/23/2009		8:34	134		43,760									32,800
1022	1/23/2009		9:06	135		46,900									31,020
1012	1/23/2009		1:25	137		48,200									32,740
1022	1/23/2009		1:48	136		48,460									30,880
TOTALS						6142368		1835160		409220		3548800		1466998	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015 | Thru 1/23/09

FC 40 | TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,835,160	Heritage Landfill
Non-TSCA	6,142,368	Republic Landfill

Total TSCA Material	**917.58**	tons
Total Non-TSCA Material	**3,071.18**	tons
Total Material Disposed	**3,988.76**	tons

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/26/09	REPORT NO: FC40-057
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Partly Sunny	PM WEATHER: Cloudy	MAX TEMP (F): 32	MIN TEMP (F): 17

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	987.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1003.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	8
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/26/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/26/09
REPORT NO	FC40-057

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Watt — 1/26/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TolTest, Inc.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-057

Date: January 26, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site: Advanced Vacuum Services, Inc.

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:30AM Started up equipment to warm up.
- 7:30AM-10:30AM Backfilled site east of bldg. 171
- 11:30AM- 5:30AM Advanced Vacuum Services, Inc. arrived on site and cleaned the culvert behind bldg. 169 and the two behind bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 1-26-07 Time: 7:00 AM
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. SLIPS / TRIPS / FALLS (WATCH YOUR STEP IT SLICK)
2. DRESS IN LAYERS (Cold construction)
3. WEAR YOUR PIE (AT ALL TIMES)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/27/09	REPORT NO: FC40-058
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Snow	PM WEATHER: Freezing Rain/Snow	MAX TEMP (F): 30	MIN TEMP (F): 16

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	
	No work on site today due to heavy snow.				
		LES/TolTest JV	1	Laborer	
				Operator	

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1003.5
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1003.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/27/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/27/09
REPORT NO	FC40-058

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Ritter 1/27/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/28/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-059		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sleet/Snow	PM WEATHER	Snow
MAX TEMP (F)	31	MIN TEMP (F)	19

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	
	No work on site today due to heavy snow.				
		LES/TolTest JV	1	Laborer	
				Operator	

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS		
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1003.5	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO			
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1003.5	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/28/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/28/09
REPORT NO	FC40-059

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 1/28/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/29/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-060		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	28	MIN TEMP (F)	10

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	
	No work on site today due to heavy snow.				
		LES/TolTest JV	1	Laborer	
				Operator	

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS		
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1003.5	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO			
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1003.5	

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/29/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/29/09
REPORT NO	FC40-060

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Whitten 1/29/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 1/30/09	REPORT NO: FC40-061
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 31	MIN TEMP (F): 15

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area:	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	
	No work on site today due to heavy snow.				
		LES/TolTest JV	1	Laborer	
				Operator	

JOB SAFETY					
	WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☐ YES	☒ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	
	WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1003.5
	WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
	WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1003.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

1/30/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	1/30/09
REPORT NO	FC40-061

PHASE	CONTRACT NO	N40083-05-D-4015	CONTRACT TITLE	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169.171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Ritter 1/30/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/2/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-062		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Sunny	PM WEATHER	Cloudy
MAX TEMP (F)	29	MIN TEMP (F)	17

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	5
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1003.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1019.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	5
	Rental	Excavator	5
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/2/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 2/2/09

REPORT NO FC40-062

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter 2/2/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-062

Date: February 2, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:30AM Started up equipment to warm up.
- 7:30AM-12:30AM Backfilled site west of bldg. 171
- 12:30PM- 3:00PM Cleaned tracks on machines and cleaned up zones.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-2-09 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Ladder safety 3 point contact up and down
2. don't fuel equipment while its running shut it down
3. Truck safety look before you back up
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Backfill PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/3/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-063		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Cloudy/Snow	PM WEATHER	Partly Sunny
MAX TEMP (F)	25	MIN TEMP (F)	12

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	5
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	5

JOB SAFETY

WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1019.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1035.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED

☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	5
	Rental	Excavator	
	Rental	Excavator	5
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/3/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/3/09
REPORT NO	FC40-063

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter — 2/3/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-063

Date: February 3, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:30AM Started up equipment to warm up.
- 7:30AM-1:30AM Moved excavator from back side of site to excavation at bldg. 166. Placed geotextile fabric in north end of excavation area and backfilled as directed by Tim Sears. Also backfilled area at south end of excavation site by rail road tracks at bldg. 166.
- 1:30PM- 2:30PM Cleaned tracks on machines and cleaned up loading area.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-3-09 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Equipment safety use hand rail when fueling & servicing
2. Wear gloves when working around metal objects
3. Watch your step it slick
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: back fill PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/4/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-064		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Partly Cloudy	PM WEATHER	Sunny
MAX TEMP (F)	17	MIN TEMP (F)	-5

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	5
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	5

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1035.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1051.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	5
	Rental	Excavator	
	Rental	Excavator	5
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/4/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 2/4/09

REPORT NO FC40-064

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter 2/4/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-064

Date: February 4, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 8:00AM -8:15AM Superintendant conducted site safety meeting.
- 8:15AM-8:30AM Started up equipment to warm up.
- 8:30AM-10:30AM Cleared drive and lot of snow (11") at rear of site to allow dump trucks to access site.
- 10:30AM- 3:30PM Placed straw bales in the drainage ditch west of bldg. 171 and cleaned zones of fencing etc.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-4-09 Time: 8:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Traffic Safety
2. Swing Area of machine stay clear at all times
3. Power Tool Safety (Know How To Use Them)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Site work PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 2/5/09	REPORT NO: FC40-065
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Partly Cloudy	PM WEATHER: Sunny	MAX TEMP (F): 36	MIN TEMP (F): 13

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	5
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	5

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS: 16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT: 1051.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION: 1067.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	5
	Rental	Excavator	
	Rental	Excavator	5
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/5/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/5/09
REPORT NO	FC40-065

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walton 2/5/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-065

Date: February 5, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC) Tom Brent (Crane EV) John Floyd (Tetratech)

Work Performed:

- 8:00AM -8:15AM Superintendant conducted site safety meeting.
- 8:15AM-8:30AM Started up equipment to warm up.
- 8:30AM-12:30AM Moved fill dirt from east side of bldg. 171 to west side of bldg. 171 and placed in drainage ditch.
- 12:30PM- 1:30PM Excavated and hauled contaminated dirt from drainage ditch east of bldg. 171 to pile on west side of bldg. 171.
- 1:30PM – 3:30PM Backfilled drainage ditch area east of bldg. 171 after Tetratech pulled samples, as directed by Tim Sears.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 02/05/09 Time: 0800
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Dump Truck; material sticking in beds, warm for Tipping
2. Slick Driving on Frozen Ground off road.
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: Remove soil PPE: Hard Hat
Activity: PPE: Steel toes
Activity: PPE: Safety Glasses
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

CONTRACT NO: N40083-05-D-4015	TITLE AND LOCATION: SWMU 13, Mine Fill B, PCB Removal	DATE: 2/6/09	REPORT NO: FC40-066
CONTRACTOR: LES/TolTest JV		SUPERINTENDENT: Wayne Moore	
AM WEATHER: Sunny	PM WEATHER: Sunny	MAX TEMP (F): 43	MIN TEMP (F): 34

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	3
				Operator	5
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	3
				Operator	5

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1067.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1083.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	5
	Rental	Excavator	
	Rental	Excavator	5
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/6/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE 2/6/09

REPORT NO FC40-066

PHASE | CONTRACT NO N40083-05-D-4015 | CONTRACT TITLE SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Walter 2/6/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-066

Date: February 6, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC) Tom Brent (Crane EV)

Work Performed:

- 7:00AM -7:15AM Superintendant conducted site safety meeting.
- 7:15AM-7:30AM Started up equipment to warm up.
- 7:30AM-8:45AM Continued backfilling east of bldg. 171.
- 8:45AM-9:30PM Loaded one truck with non-hazardous material bound for Sycamore Ridge Landfill.
- 9:30AM-12:30AM Worked on excavator.
- 12:30PM-1:30PM Loaded two trucks with non-hazardous material bound for Sycamore Ridge Landfill.
- 1:30PM-3:00PM Finished working on excavator and backfilled on ditch west of bldg. 171.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 02/06/08 Time: 0700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Freeze is being out, being to be muddy Dont track it.
2.
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Hard Hat
Activity: PPE: Steal toes
Activity: PPE: Safety Glasses
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	[illegible]

Meeting Conducted By:
WAYNE MOSSE [illegible]

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/9/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-067		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	58	MIN TEMP (F)	41

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1083.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1099.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	8
	Rental	Excavator	8
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/9/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/9/09
REPORT NO	FC40-067

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian T. Walsh 2/9/09

AUTHORIZED QC MANAGER AT SITE DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER DATE

Joint Venture in EMAC

LES TolTest, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-067

Date: February 9, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- 7:00AM -7:30AM Superintendant conducted site safety meeting.
- 7:45AM-8:30PM Loaded one truck with non-hazardous material bound for Sycamore Ridge Landfill.
- 8:30AM-3:00PM Worked on excavator and prepared to decon frac tank and excavator.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-9-09 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. hand tool safety
2. Power cord safety
3. Equipment safety
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webst

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/10/09
REPORT NO	FC40-068

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 2/10/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-068

Date: February 10, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer) Marty Endris (Project Coordinator)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC) Tom Brent (Crane EV)

Work Performed:

- 7:00AM -8:30AM Gathered equipment on site to decontaminate the 20,000 gal storage tank.
- 8:30AM -11:00AM Tanker truck vacuumed approximately 4000 gal. of contaminated water from storage tank. Driver vacuumed all water including sediments from inside tank.
- 11:00AM-12:00PM Followed tanker truck to Crane truck wash bay to spray off tires, where driver got off road slightly.
- 12:30PM-3:30PM Decontaminated excavator #1935 and skid steer #5745 and TolTest single axle dump. Both pieces of rental equipment were called off rent today, call off # 102668 & 102484. The Baker Corp. storage tank was also called off rent as of today.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 7-10-04 Time: 7:30
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Wear your PPE
2. Ladder safety
3. Loading MATERIAL by hand
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level 0
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOOR — Wayne Moor

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/11/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-069		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Rain/Windy	PM WEATHER	Rain/Windy
MAX TEMP (F)	55	MIN TEMP (F)	40

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	
				Operator	8
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	
				Operator	8

JOB SAFETY					
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1115.5
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO		
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	TOTAL WORK HOURS FROM START OF CONSTRUCTION	1131.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/11/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/11/09
REPORT NO	FC40-069

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)

Schedule Activity No.	Description
	None

REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)

Schedule Activity No.	Description
	None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

Brian L. Watt — 2/11/09

AUTHORIZED QC MANAGER AT SITE — DATE

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-069

Date: February 11, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- Associates performed demobilization and site cleanup activities.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-11 Time: 7:00
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Truck safety look behind you before you backup
2. Load safety use hold downs (straps - chains - etc)
3. wear glove when loading or unloading by hand (PPE)
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Bill Webster	Bill Webster

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

CONTRACTOR PRODUCTION REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/12/09		
CONTRACT NO	N40083-05-D-4015	TITLE AND LOCATION	SWMU 13, Mine Fill B, PCB Removal
REPORT NO	FC40-070		
CONTRACTOR	LES/TolTest JV	SUPERINTENDENT	Wayne Moore
AM WEATHER	Sunny	PM WEATHER	Sunny
MAX TEMP (F)	59	MIN TEMP (F)	39

WORK PERFORMED TODAY

Schedule Activity No.	WORK LOCATION AND DESCRIPTION	EMPLOYER	NUMBER	TRADE	HRS
	Mine Fill B Bldg. 171 area;	LES/TolTest JV	1	Superintendent/Laborer/	8
				Operator	
	See attached Full Scale Daily Report				
		LES/TolTest JV	1	Laborer	8
				Operator	

JOB SAFETY			
WAS A JOB SAFETY MEETING HELD THIS DATE? (If YES attach copy of the meeting minutes)	☒ YES	☐ NO	
WERE THERE ANY LOST TIME ACCIDENTS THIS DATE? (If YES attach copy of completed OSHA report)	☐ YES	☒ NO	
WAS CRANE/MANLIFT/TRENCHING/SCAFFOLD/HV ELEC/HIGH WORK/ HAZMAT WORK DONE? (If YES attach statement or checklist showing inspection performed.)	☐ YES	☒ NO	
WAS HAZARDOUS MATERIAL/WASTE RELEASED INTO THE ENVIRONMENT? (If YES attach description of incident and proposed action.)	☐ YES	☒ NO	

TOTAL WORK HOURS ON JOB SITE, THIS DATE, INCL CON'T SHEETS	16
CUMULATIVE TOTAL OF WORK HOURS FROM PREVIOUS REPORT	1131.5
TOTAL WORK HOURS FROM START OF CONSTRUCTION	1147.5

Schedule Activity No.	LIST SAFETY ACTIONS TAKEN TODAY/SAFETY INSPECTIONS CONDUCTED	☒ SAFETY REQUIREMENTS HAVE BEEN MET.

EQUIPMENT/MATERIAL RECEIVED TODAY TO BE INCORPORATED IN JOB (INDICATE SCHEDULE ACTIVITY NUMBER)

Schedule Activity No.	Submittal #	Description of Equipment/Material Received

CONSTRUCTION AND PLANT EQUIPMENT ON JOB SITE TODAY. INDICATE HOURS USED AND SCHEDULE ACTIVITY NUMBER.

Schedule Activity No.	Owner	Description of Construction Equipment Used Today (incl Make and Model)	Hours Used
	Rental	Skid Steer	
	Rental	Excavator	
	Rental	Excavator	
	TolTest	Service Truck	8
	TolTest	Pickup	
	TolTest	Dump Truck	

Schedule Activity No.	REMARKS
	This report does not include LES/TolTest JV management hours.

CONTRACTOR/PROJECT MANAGER DATE

2/12/09

CONTRACTOR QUALITY CONTROL REPORT

(ATTACH ADDITIONAL SHEETS IF NECESSARY)

DATE	2/12/09
REPORT NO	FC40-070

PHASE	CONTRACT NO	CONTRACT TITLE
	N40083-05-D-4015	SWMU 13, Mine Fill B, PCB Removal

PREPARATORY

WAS PREPARATORY PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL PREPARATORY PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	A preparatory meeting was held for Site work activities at Building 169,171.	
	Navy Explosive Safety permits were updated on 1/21/09.	

INITIAL

WAS INITIAL PHASE WORK PERFORMED TODAY? YES ☐ NO ☒

IF YES, FILL OUT AND ATTACH SUPPLEMENTAL INITIAL PHASE CHECKLIST.

Schedule Activity No.	Definable Feature of Work	Index #
	The standard of workmanship has been established for handling of hazardous materials and demarcation of	
	exclusionary, contamination reduction and support zones. An initial phase meeting was held for site work	
	and excavation activities.	

FOLLOW-UP

WORK COMPLIES WITH CONTRACT AS APPROVED DURING INITIAL PHASE? YES ☐ NO ☐

WORK COMPLIES WITH SAFETY REQUIREMENTS? YES ☐ NO ☐

Schedule Activity No.	Description of Work, Testing Performed & By Whom, Definable Feature of Work, Specification Section, Location and List of Personnel Present
	The Site Superintendent inspected work activities for contractual conformance.

REWORK ITEMS IDENTIFIED TODAY (NOT CORRECTED BY CLOSE OF BUSINESS)		REWORK ITEMS CORRECTED TODAY (FROM REWORK ITEMS LIST)	
Schedule Activity No.	Description	Schedule Activity No.	Description
	None		None

REMARKS (Also Explain Any Follow-Up Phase Checklist Item From Above That Was Answered "NO"), Manuf. Rep On-Site, etc.

Schedule Activity No.	Description
	On behalf of the contractor, I certify that this report is complete and correct and the equipment and material used and work performed
	during this reporting period is in compliance with the contract.

AUTHORIZED QC MANAGER AT SITE — DATE 2/12/09

GOVERNMENT QUALITY ASSURANCE REPORT

DATE

QUALITY ASSURANCE REPRESENTATIVE'S REMARKS AND/OR EXCEPTIONS TO THE REPORT

Schedule Activity No.	Description

GOVERNMENT QUALITY ASSURANCE MANAGER — DATE

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Full Scale Daily Report

Attachment to: FC40-070

Date: February 12, 2009

A Summary of the full-scale daily operations as is follows:

LES/TolTest JV Associates on Site: Wayne Moore (Superintendant), Bill Webster (Operator/Laborer)

Subcontractor on Site:

Visitors on Site: Tim Sears (OICC)

Work Performed:

- Associates performed demobilization and site cleanup activities.

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22367.01 Date: 2-12-09 Time: 700
Client: NSA CRANE Site Location: CRANE, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: (812) 336-6821 Ambulance Phone No.: (812) 854-1235
Directions to Hospital: Hwy. 45 through Bloomington gate (45 turns into 2nd Street) 601 W. Second Street Bloomington, IN

Safety Topics Presented

1. Working in muddy conditions be careful
2. Loading equipment by hand get help if needed
3. Traffic safety be alert
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: LEVEL D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
BILL WEBSTER	Bill Webster

Meeting Conducted By:
WAYNE MOORE — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 2/12/09
TolTest Project No. 22367

Truck Number	Date		Time	Manifest #		Crane Scale Non Hazardous (lbs.)		Crane Scale TSCA Net (lbs.)		Incoming Fill Dirt (lbs)		Republic Scale Non Hazardous (lbs.)		Heritage Scale TSCA Hazardous (lbs.)	Tare Weight
1024-3	11/6/2008		8:32	206070				45,460						45,160	32,380
1024-2	11/6/2008		8:47	206068				47,780						47,580	31,080
1024-4	11/6/2008		9:01	206069				48,600						48,366	30,320
1022	11/6/2008		9:16	206056				47,540						44,000	30,840
1024-3	11/6/2008		14:16	206058				47,000						46,460	31,920
1024-2	11/6/2008		14:01	206057				50,320						49,860	30,580
1024-4	11/6/2008		14:29	206059				49,920						49,500	30,080
1024-3	11/7/2008		8:15	206060				47,040						46,520	32,220
1024-4	11/7/2008		8:26	206061				49,900						49,880	30,480
1024-2	11/7/2008		8:34	206062				49,100						48,980	31,260
1022	11/7/2008		10:32	206063				48,920						48,920	31,040
1024-2	11/7/2008		13:42	206064				48,800						48,640	30,920
1024-3	11/7/2008		13:48	206065				48,680						48,166	31,960
1024-4	11/7/2008		13:53	206066				49,960						49,000	30,060
1024-1	11/10/2008		7:18	206047				48,480						48,020	31,260
1024-2	11/10/2008		7:54	206046				49,360						48,980	31,120
1024-4	11/10/2008		8:20	206048				48,960						49,640	31,560
1009	11/10/2008		8:26	206049				46,400						47,266	32,360
1009	11/10/2008		13:17	206050				41,860						41,346	31,800
1024-1	11/10/2008		1344	206051				48,460						49,380	30,980
1024-2	11/10/2008		13:51	206052				44,780						45,540	30,860
1024-4	11/10/2008		14:14	206053				48,500						49,080	31,280
1009	11/12/2008		8:29	206054				46,780						46,460	32,300
1024-2	11/12/2008		8:57	206055				46,800						47,340	31,840
1009	11/12/2008		1423	206067				42,620						44,000	32,000
1009	11/17/2008		8:21	1		46,320	23.16					45,160			32,260
1024-4	11/17/2008		8:32	2		48,740	24.37					48,460			31,800
1024-1	11/17/2008		8:51	3		48,060	24.03					48,300			31,900
1024-2	11/17/2008		9:05	4		48,608	24.3					48,520			31,560
1022	11/17/2008		9:16	5		44,580	22.29					44,600			31,040
1009	11/17/2008		12:16	6		47,140	23.57					46,680			32,140
1024-4	11/17/2008		13:27	7		45,380	22.69					48,360			34,580
1024-1	11/17/2008		14:11	8		45,080	22.54					45,360			31,740
1024-2	11/17/2008		14:14	9		48,020	24.01					47,920			31,400
1022	11/17/2008		14:29	10		46,140	23.07					45,980			30,820

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 2/12/09
TolTest Project No. 22367

1009	11/18/2008		8:14	11		45,460	22.73					45,400			32,860
1024-2	11/18/2008		8:15	12		45,760	22.88					45,680			31,080
1022	11/18/2008		8:31	13		47,620	23.81					47,520			31,000
1024-2	11/18/2008		2:25	14		49,200	24.6			55,220		49,140			30,900
1022	11/18/2008		2:15	15		45,480	22.74			47,440		45,680			30,780
1009	11/18/2008		2:25	16		45,780	22.89			47,020		45,760			32,460
1024-2	11/19/2008		8:40	17		48,280	24.14					48,260			31,280
1024-2	11/19/2008		1:07	18		48,940	24.47			52,860		49,120			31,100
1024-1	12/1/2008		8:02	20		46,440	23.22					46,700			31,900
1022	12/1/2008		8:38	21		48,640	24.32					48,600			30,820
1009	12/1/2008		8:42	22		44,380	22.19					44,400			31,820
506	12/1/2008		8:54	23		43,140	21.57					44,000			33,120
1024-1	12/1/2008		13:58	24		47,900	23.95					47,560			31,700
1009	12/1/2008		14:37	25		48,080	24.04					48,120			31,460
506	12/1/2008		14:42	26		46,760	23.38					46,780			32,980
10506	12/2/2008		8:37	27		46,020	23.01					45,900			33,800
1024-4	12/2/2008		8:41	28		47,500	23.75					47,500			31,520
1024-1	12/2/2008		8:42	29		46,700	23.35					46,500			31,940
1022	12/2/2008		9:15	30		49,120	24.56					49,240			31,280
1084	12/2/2008		9:20	31		45,900	22.95					46,080			33,160
1024-1	12/2/2008		12:47	32		45,740	22.87					45,800			31,580
1024-4	12/2/2008		12:54	33		48,160	24.08					45,760			31,400
10506	12/2/2008		12:55	34		45,740	22.87					48,160			33,480
1022	12/2/2008		1:09	35		45,000	22.5					4,500			30,960
1084	12/2/2008		1:16	36		46,700	23.35					46,620			32,780
1024-1	12/3/2008		7:47	37		46,520	23.26					46,840			32,300
1024-4	12/3/2008		7:48	38		47,880	23.94					48,060			31,760
10506	12/3/2008		8:31	39		45,600	22.8					45,740			33,300
1009	12/3/2008		8:50	40		46,380	23.19					46,540			32,260
1084	12/3/2008		8:57	41		44,280	22.14					44,400			33,980
1022	12/3/2008		9:01	42		47,520	23.76					47,520			31,140
1024-1	12/3/2008		12:48	206031			0	47,920						48,420	31,940
1024-4	12/3/2008		12:59	206032			0	45,980						46,746	31,600
1047	12/3/2008		1:09	43		47,780	23.89					47,460			32,680
1009	12/3/2008		1:29	44		47,600	23.8			50,320		47,460			31,820
10506	12/3/2008		1:52	45		46,460	23.23			53,120		46,880			33,360
10505	12/3/2008		2:07	46		44,100	22.05								30,900
510	12/3/2008		2:19	47		45,240	22.62					45,140			31,400
1084	12/3/2008		2:40	48		45,880	22.94			51,620		46,040			33,780
1022	12/3/2008		2:54	49		48,720	24.36			51,620		48,900			30,960
1009	12/4/2008		9:00	50		46,660	23.33					46,700			32,940
10506	12/4/2008		9:02	51		44,740	22.37					44,540			34,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 2/12/09
TolTest Project No. 22367

1022	12/4/2008		9:13	52		47,380	23.69					47,320			31,040
1074	12/22/2008		2:00	206034				46,200						46,220	32,180
1022	12/22/2008		1:27	206033				48,640						48,640	31,680
1052	12/23/2008		8:54	54		46,480						46,600			32,100
1074	12/23/2008		9:04	55		46,040						46,240			33,200
1056	12/23/2008		9:27	56		45,380						45,620			33,580
1022	12/23/2008		9:30	57		46,180						46,100			31,140
1074	12/29/2008		8:26	58		44,700						44,800			32,940
1084	12/29/2008		8:40	59		42,740						44,000			33,420
1022	12/29/2008		9:01	60		48,400						47,760			31,640
1009	12/29/2008		9:04	61		45,620						45,560			32,920
1012	12/29/2008		9:15	62		46,140						46,200			31,820
1084	12/29/2008		1:33	63		46,380						45,740			33,280
1074	12/29/2008		1:47	64		46,360						46,180			32,840
1022	12/29/2008		2:13	65		48,280						47,960			31,580
1012	12/29/2008		2:24	66		46,540						46,640			31,800
1075-1	12/29/2008		3:22	67		45,840						45,840			32,980
1075-2	12/29/2008		3:19	68		46,060						46,060			31,560
1009	12/30/2008		8:37	69		47,500						47,640			32,860
1022	12/30/2008		8:51	70		48,180						48,060			31,720
1074	12/30/2008		9:05	71		44,100						44,820			32,580
1012	12/30/2008		9:07	72		46,940						47,260			31,840
1009	12/30/2008		1:02	73		44,820						44,740			32,720
1022	12/30/2008		1:19	74		45,640						46,060			31,540
1074	12/30/2008		1:52	75		48,100						48,880			32,340
1012	12/30/2008		2:04	76		45,340						45,820			32,200
1009	1/6/2009		8:35	206035				46,340						46,200	32,300
10506	1/6/2009		8:42	206036				42,800						42,620	35,780
1009	1/6/2009		2:04	206037				48,120						47,840	32,140
10506	1/6/2009		2:13	206038				43,800						43,700	35,460
10506	1/7/2009		8:43	206039				44,960						44,760	35,840
1009	1/7/2009		8:53	206040				46,860						47,420	33,000
1074	1/7/2009		9:20	206041				46,960						47,140	33,200
1022	1/7/2009		9:22	206044				46,180						46,360	31,380
1056	1/7/2009		9:47	206042				45,680						45,780	33,540
1084	1/7/2009		9:56	206043				42,700						42,528	34,420
10506	1/7/2009		2:09	77		42,720						43,000			35,500
1009	1/7/2009		2:20	78		47,000						47,440			32,640
1022	1/7/2009		2:48	79		45,360									31,000
1012	1/13/2009		8:34	81		41,080						44,000			32,700
1009	1/13/2009		8:23	82		45,140						45,100			32,200
1074	1/13/2009		8:44	83		44,920						44,920			33,000

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 2/12/09
TolTest Project No. 22367

1056	1/13/2009		8:54	84		43,860									33,020
1022	1/13/2009		9:07	85		46,940						46,860			31,260
1084	1/13/2009		9:14	86		40,300						40,500			34,480
1009	1/13/2009		12:26	87		46,780						46,880			32,160
1074	1/13/2009		12:52	88		45,820						46,220			32,720
1056	1/13/2009		1:02	89		45,780									33,320
1012	1/13/2009		1:16	90		47,100						47,240			32,440
1084	1/13/2009		1:30	91		44,260						44,700			34,200
1022	1/13/2009		1:39	92		48,520						48,460			31,180
1012	1/14/2009		8:07	93		43,600						43,680			32,120
1074	1/14/2009		8:20	94		44,160						44,280			33,500
1084	1/14/2009		8:31	95		43,920									33,940
1056	1/14/2009		9:11	96		44,180						44,120			33,900
1022	1/14/2009		10:44	97		44,320						44,640			31,580
1009	1/14/2009		10:56	98		46,100						46,240			33,000
1012	1/14/2009		12:46	99		45,620						45,940			31,980
1074	1/14/2009		1:04	100		46,160						46,140			33,360
1056	1/14/2009		1:16	101		44,400									34,000
1084	1/14/2009		1:34	102		41,900						42,140			33,780
1009	1/15/2009		8:50	103		44,040						43,420			32,620
1012	1/15/2009		8:37	104		43,060						42,040			31,760
1056	1/15/2009		9:11	105		44,420									33,420
1074	1/15/2009		9:25	106		41,320						40,380			33,120
1084	1/15/2009		10:02	107		46,640						46,520			33,500
1052	1/15/2009		10:01	108		47,120						46,180			31,880
1022	1/15/2009		10:46	109		48,460						47,620			31,300
1012	1/15/2009		12:54	110		43,140						42,760			31,740
1009	1/15/2009		1:05	111		45,760						45,700			32,320
1056	1/15/2009		1:21	112		44,200									33,460
1074	1/15/2009		1:33	113		44,360						43,720			32,860
1052	1/15/2009		2:47	114		45,860						45,960			32,620
1084	1/15/2009		2:28	115		45,820						45,980			33,280
1074	1/16/2009		8:17	116		42,080						44,000			33,160
1009	1/16/2009		8:31	117		45,240						44,660			32,940
1022	1/16/2009		8:43	118		44,000						44,000			31,160
1012	1/16/2009		8:57	119		44,900						44,000			32,720
1009	1/16/2009		1:18	120		42,320						44,000			32,680
1074	1/16/2009		1:21	121		45,420						45,580			33,280
1012	1/16/2009		1:53	122		46,480						46,680			32,540
1022	1/16/2009		2:16	53		48,100						48,100			31,060
1074	1/19/2009		9:41	124		43,620									33,200
1012	1/19/2009		10:04	125		42,760						44,000			32,800

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

Contract No. N40083-05-D-4015
NSA Crane, IN; FC 40; SWMU8 13 Mine Fill

Date Thru- 2/12/09
TolTest Project No. 22367

1022	1/19/2009		10:36	126		42,220						44,000			31,460
1074	1/19/2009		2:30	127		45,040									32,960
1022	1/19/2009		3:46	128		45,520						45,580			31,040
1012	1/19/2009		3:20	129		45,700						46,160			32,380
1012	1/22/2009		8:29	130		46,520									32,000
1022	1/22/2009		9:16	131		44,800						44,980			31,200
1012	1/22/2009		13:41	123		46,880									31,760
1022	1/22/2009		2:25	132		48,300									30,780
1012	1/23/2009		8:34	134		43,760									32,800
1022	1/23/2009		9:06	135		46,900						46,720			31,020
1012	1/23/2009		1:25	137		48,200									32,740
1022	1/23/2009		1:48	136		48,460						48,240			30,880
1012	2/6/2009		9:23	138		40,420									32,600
1052	2/6/2009		12:43	139		46,480									32,440
1012	2/6/2009		1:42	140		44,500									32,180
1012	2/9/2009		9:20	143		44,840									32,400
TOTALS						6318608		1835160		409220		5435720		1832458	

Joint Venture in EMAC

LES TOLTEST, INC.

Ph: 812.636.8501

NAVFAC Naval Facilities Engineering Command

Mine Fill B FC 40

Contract No. N40083-05-D-4015
FC 40

Thru 2/12/09
TolTest Project No. 22367

TOTAL WASTE REMOVED

Material	Weight (Pounds)	Disposal Facility
TSCA	1,835,160	Heritage Landfill
Non-TSCA	6,318,608	Republic Landfill

Total TSCA Material	**917.58**	tons
Total Non-TSCA Material	**3,159.30**	tons
Total Material Disposed	**4,076.88**	tons

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 5-5-09

Project No: 22367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Wayne Moore											9				9

Supervisor	Site														Total
															9

TOLTEST INC.

Equipment used on site

#	Description	Qty
.4	Field Vehicle	1
	Dump Truck	
	Backhoe TRACKhoe mini 1	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
None	

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39	None	
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
None	

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Moore
Date: 5-5-04
Day: Tuesday

Project No: 22362.01
Location: NSA Crane
Client: Navy

Events:

arrival at site off loaded main Excavator
worked on Ditch Backside of bld 166 grading
on slopes and filled in low spots due to
~~[illegible]~~ settling over winter cleaned up
ditch and over all site Pickup and
delivered straw matting for Ditch work

Site Visitor
Tim Sears

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: WAYNE moore
Date: 5/11/09

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
BILL Webster											5				5
Supervisor	Site														Total
WAYNE moore											5				5

TOLTEST INC.

Equipment used on site

#	Description	Qty
4	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	
	Dozer D3	1

Rental/Other Equipment used on site

Description	Hours used:
Dozer D3 cat	5

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE MOORE
Date: 5/11/09
Day: Monday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrived at site Dozer down side of Ditch line with D3 Dozer and mini Excavator Ditch line is still wet needs to dry out worked on Ditch across Railroad Bed worked Ditch line with Excavator Bill Dozer long ditch got it looking good Needs to dry up a day

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 5-12-09
Project No: 223701
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
BILL WEBSTER											8				8

Supervisor	Site														Total
WAYNE MOORE											8				8

TOLTEST INC.

Equipment used on site

#	Description	Qty
4	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	
	Dozer D3	1

Rental/Other Equipment used on site

Description	Hours used:
Dozer D3	1
Straw blower	1

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39	WONK	
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
WONK	

Materials delivered to site:

100 bales of straw 100 lbs of grass seed

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE MOORE
Date: 5/12/09
Day: Tuesday

Project No: 22362.01
Location: NSA Crane
Client: Navy

Events:

arrival at site Conductor Tailgate safety meeting after that when to work on ditch line with Bozon and mini ex. got it looking good by 100 then started seeding and stuning put down 6 rolls of straw matting in bottom of ditch line and then straw mulched the rest of the site with bales and straw blower

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: ____ Project No: 22362.11

Date: 6-5-09 Location: NSA Crane

Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total
Wayne Moore											8				8

TOLTEST INC.

Equipment used on site

#	Description	Qty
4	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	
	Mini Excavator	

Rental/Other Equipment used on site

Description	Hours used:

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
None	

Materials delivered to site:
3 Truck loads of #2 stone

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: _____ _____

Date: 6/5/07

Day: Friday

Project No: 22367.1

Location: NSA Crane

Client: Navy

Events:

Cut in Roadway to site which mill and place 2 Level of stone on Roadway Place fence around site ready for Monday

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne moore
Date: 6/8/09

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
BILL Webster											8				8
Greg Parsons								3							3
Supervisor	Site														Total
Wayne moore								7			4				11

TOLEST INC.

Equipment used on site

#	Description	Qty
4	Field Vehicle	1
	Dump Truck	1
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
Trackhoe	5

other testing

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")	Ter-Tech	unknown
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		

Subcontractors on site:	Hours worked:
None	

Materials delivered to site:
None

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE moore
Date: 6/8/09
Day:

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrived at site conducted Tailgate safety meeting
met with Tim Sears at 800 site with Tom Brant
come by site at 800 gave Tim load Papers
loaded first load of soil at 9:45 Truck
left site at 10:00 Place fence around
Excavation waited for truck to return
Truck returned to site at 300 load
boats off the over 50 soil
Truck left site at 3:40 T-Tech
arrived at 4:00 Took sample of
Excavation and Toltest hauled clean soil
from stock Pile on Base and Placed in
Excavation on Plastic hauled 4 Truck Load
in all leveled out soil Place fence
around site Excited.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 6/9/09 Tuesday

Project No: 22367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Greg Parson								4			6				10

Supervisor	Site														Total
Wayne Moore								2			8				10

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
Dozer D3	8

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
NONE	

Materials delivered to site:
Grass seed & fertilizer and straw

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne moore
Date: 6/9/09
Day: Tuesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrive at site conduct tailgate safety meeting go west to washington st Pick up ~~[illegible]~~ stuff Blower and trucks for straw Associate started leveling out site with mini Excavator Dozer arrived on site at 10:30 Work on site will Equipment till 4:30 Put down 25 Bales of straw and 50 lbs of grass + 100 lbs of 12-12-12 fertilizer Exit site at 6:30

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: WAYNE MOORE
Date: 6/10/09
Wednesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Greg Parsons								8							8

Supervisor	Site														Total
WAYNE MOORE								8							8

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
NONE	

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing	NONE	

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE moore
Date: 6/10/09
Day: Wednesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrived at site conducted Tailgate safety Talk
Place 25 Bales of straw on site with lift
straw blown work on site 1 1/2 hours rain
out returned straw to Washington returned
to shop

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 6/16/09

Project No: 22367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total
Wayne Moore											8				

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
315 Excavator	8

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: W Aynomoore

Project No: 22367-1

Date: Wednesday

Location: NSA Crane

Day: 6/17/09

Client: Navy

Events:

Loaded out 10 tons of vendor so PCB contaminated soil on US Bulk Truck and delivered it to landfill

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: WAYNEMOORE
Date: 6-18-09 Thursday

Project No: 22367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total
Wayne Moore											8				8

TOUST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
B15 Cat Excavator	8

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE MOORE

Date: 6-18-09

Day: Thursday

Project No: 22367.01

Location: NSA Crane

Client: Navy

Events:

Loaded out 5 load of under 50 PCB contaminated soil on US Bulk Trucks and delivered to Landfill

Rain out

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moon
Date: 6/22/09

Project No: 22267.09
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total
Wayne Moon								10			1.5				11.5

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" ~~submersible~~ pump	1
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
Cat 313 Excavator	1.5

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Moon

Date: 6-22-07

Day: Monday

Project No: 22362.01

Location: NSA Crane

Client: Navy

Events:

Took delivery of a 20 gal bottom tank and started pumping water from excavation and placed it in tank to be sampled at later date. Pumped until late

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore

Date: 6-23-09

Project No: 22367-01

Location: NSA Crane

Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
315 cat Excavator	

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39	Tera Tech	UNKNOW
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLLESI INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE MOORE
Date: 6/23-04
Day: Tuesday

Project No: 22367.11
Location: NSA Crane
Client: Navy

Events:

arrived at site started Pumping water in Bakr Tank
Loaded out 2 Load of soil on 10 Bulk Truck finished
Pumping Water clean up Excavation Truck returned loaded
out the last of PCB fuel Tom Tech took sample
Tim Sears Told me to line Edges of Excavation with
felt cloth and Backfill around edge of Excavation

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Nun
Date: 6-24-09

Project No: 2-2367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
peter Bailey											6				6
Supervisor	Site														Total
								1			10				11

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	2
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
cat 315 Excavator	8
~~[illegible]~~ mini Excavator	~~6~~

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39	None	
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Nun
Date: 6-24-09
Day: Wednesday

Project No:
Location: NSA Crane
Client: Navy

Events:

arrival at site remove fence around Excavation
Cleaned up site & Pumps hose Ex. moved pipe
to back of site to stock pile of Dirt started
hauling dirt to front of building 169 with
our Dump Truck ~~to~~ loaded and hauled
6 loads of dirt hauled out on
site with 315 Excavator

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 6-2-09

Project No: 2-2362.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Supervisor	Site														Total
Wayne Moore															

IDEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
315 Cat Excav	

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		

other testing

Subcontractors on site:	Hours worked:

Materials delivered to site:

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Fox
Date: 6/25/09
Day:

Project No:
Location: NSA Crane
Client: Navy

Events:

arrived at site meet with Tim Sims
Talked about ditch line at bld 121 he want straw
mat in ditch line The first 5 load of dirt
arrived on site hauled by Hanna Trucking started
leveling out on site took delivery of 15 load
total leveled out with mini and 315
Excavator

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: WAYNE MOORE
Date: 6/26/09

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Gray Parsons								8							8
Supervisor	Site														Total
Wayne Moore							4				4				8

TOLEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922	NONE	
other testing		

Subcontractors on site:	Hours worked:
NONE	

Materials delivered to site:

STRAW BALES 60 TOTAL

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE MAICO
Date: 6/26/01
Day: Friday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

Arrival at site started spreading out straw that we Pick up on way to lot site bevel out the rest of The site and started seed and straw called out to Pick up 315 Excavator rain to wet to finish Went To work on Trench in side of bldg 169 cleaning trench with Shovel and wheel Barrow Place soil from trench in Back of Toltest Dump Truck on Plywood

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moore
Date: 6/29/09

Project No: 22367-01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Greg Parsons															8

Supervisor	Site														Total
WAYNE MOORE															8

TOLES INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	1
	Backhoe	
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
Mini Excavator	8

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922	NONE	
other testing		

Subcontractors on site:	Hours worked:
NONE	

Materials delivered to site:
NONE

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: W Ayne Moock
Date: 6/29/09
Day: Monday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrived at site Worked on Trenches inside of bld 169 clean up and Pressure wash the inside Walls and Trenches Placed water from cleaning in Both Tanks on site late that day Took water sample of the water in Both tanks Rick spoke brought the sample kit to Main gate I Picked it up and Tim Beers come to site and Witness me Taking sample out Pick up Excavator Rick called for a Roll off Container to be delivered to site for soil from Trenches to be Placed in on Plastic liner

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: Wayne Moon
Date: 6/30/09
Tuesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Grey Parson								8							8

Supervisor	Site														Total
Wayne Moon								8			4				8

TOLTEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	1
	Backhoe	1
	Excavator	
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39	NONE	
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
NONE	

Materials delivered to site:
NONE

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Moore
Date: 6/30/09
Day: Tuesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrival at Site conducted Tail gate safety meeting finished hauling the last of soil from trenches to site where the roll off was delivered in two 55 gal steel drums. Placed them in roll off all soil was placed in roll off container and was disposed of in landfill the Paper work for the load was signed by Tom Brent. Foreman Tim Ferro about the water in the trenches inside of Bldg 169 he said Not To Worry about it Was ok Time was 11:00 AM Job finished on the inside

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE moore
Date: 8/31/09
Day: Tuesday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Events:

arrival at site conducted Tailgate safety meeting 7:30

7:30 - 10:00 Removed PCB soil from Excavation and Placed it in 4X4X4 Wrapped bags Placed on skids and loaded onto our Semi Truck & Trailer to be delivered to off site landfill

10:00 - 11:00 Pick up manifest at Tom Brent office then met clean Harbor Truck at Visitor center Escorted them to job site

11:00 - 1:30 Pump out Baker Tank onto Trucks to Transport off site Pressure washed out baker Tank

1:30 - 2:30 met Baker Tank driver at Visitor Center escorted to job site he Pick up Tank and exited site

2:30 - 5:30 backfilled Excavation and stockpiled & seeded site loaded up bucket and Excavator & demobed

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

'd Supervisor: WAYNE MOORE
Date: 7/31/09
Friday

Project No: 22367.01
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
Jeff Hooten											4				4
Steve Richardson								5.5			5				10.5

Supervisor	Site														Total
Wayne Moore								2.5			8				10.5

JONES INC.

Equipment used on site

	Description	Qty
	Field Vehicle	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	

Rental/Other Equipment used on site

Description	Hours used:
Skid Steer	5

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")	T. Tech	
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
None	

Materials delivered to site:
None

TOLTEST INC.

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: Wayne Moore
Date: 9-30-09
Day:

Project No: 2236701
Location: NSA Crane
Client: Navy

Events:

Associates arrived at Jobsite conducted Tailgate Safety meeting 8:00AM After meeting associates Loaded Toltest owned Excavator on Trailer and delivered it to gov. owned stock pile of dirt at old Landfill site on base associate than Loaded About 2 yds of dirt on Toltest owned dump Trailer And delivered it to Jobsite. Associates Placed Poly on ground Around Excavation site to insure no soil was drop associate than Placed 4x4 Wrangler bags on pallets than placed pallets on poly. associate than excavated about 2 yds or more of soil from area And Placed it in the Wrangler bags The Wrangler bags were tag And wrap in poly And Placed on concrete pad on site for Later removal associate Than Placed clean fill dirt in excavation Leveled out dirt and seeded And strawed The disturbed area. Tom brent (gov) checked out excavation site before it was disturbed to make sure we were in the right area he oked it. Tim Sears also came by site to check on our Progress he said it Looked ok and will set up a Final site walk on Thursday he will Let me know The Time

2 men 4 hours
2 men 6 hours
} 20 man hours Total

DAILY LABOR, EQUIPMENT, MATERIAL AND EVENT LOG

Field Supervisor: WAYNE moore
Date: 9/30/09

Project No: 2236701
Location: NSA Crane
Client: Navy

Associate	Site	Asbestos Worker	Brick Layer	Cement Mason	Carpenter	Driller	Electrician	Laborer	Painter	Plumber-Pipefitter	Power Equip Operator	Roofer	Truck Driver	Welder	Total
bill Webster											6				6
John Noble								4							4
Dave Shake								4							4
Supervisor	Site														Total
Wayne moore								6							6

TOLTEST INC.

Equipment used on site

	Description	Qty
	Field Vehicle #49	1
	Dump Truck	
	Backhoe	
	Excavator	1
	Hoe-Ram	
	Compactor	
5005	PID (photoionization detector)	
5006	LEL meter	
9100	Generator	
9103	Demo saw	
9104	Jack hammer	
9108	Air compressor	
9110	2" submersible pump	
	Nibbler	
	Power washer	
	Rigid Pipe threader/pipe stand	
	Walk behind concrete saw	
	Skid Steer	1

Rental/Other Equipment used on site

Description	Hours used:
None	

Testing on site:	Sub/Self Performed	# of samples
Proctor compaction test IAW: ASTM D698 (4" / 6")		
Compressive core cylinder IAW: ASTM C39		
Soil Density IAW: ASTM D2922		
other testing		

Subcontractors on site:	Hours worked:
None	

Materials delivered to site:
STRAW
grass seed

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	001

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	15March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	0Twayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
53	38	Overcast	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	8	0	8
TolTest Total Hours			8	0	8

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	8	8

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **16**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 0
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 16
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☐No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	001
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	15March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- The LES QC performed a visual inspection of SWMU 9/13 area prior to the start of field activities. SWMU 9/13 area was cleared for activity. The LES QC repeated his inspection upon completion of the day's activities prior to leaving the site.
- TolTest began excavation of contaminated area near B-171.
- Four quad-axle loads of dirt were transported to Sycamore Ridge Landfill by McGuire Trucking.
- TolTest associates covered the open excavation with poly sheeting per Work Plan.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	001
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	15March10

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	**3/15/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/15/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~22991.01~~ 23050.01 Date: ~~03/16/10~~ 03/15/10 Time: 0630
Client: ~~LES~~ Navy Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Foot Traffic
2. Truck Traffic
3. Keep Mud off of Road.
4.
5.

Chemical Hazards: PCB's

Physical Hazards:

~~Personal Protective Equipment:~~

Activity: PPE: Hard Hat
Activity: PPE: Steel Toes
Activity: PPE: Safety vest
Activity: PPE: Safety glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Jeff Hooten	[illegible]
Allen B. Childress	[illegible]

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO._____ EQUIPMENT NAME: Skid Steer Cat WEEK OF: 032010

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓						
Roll-Over Protective Structure (ROP)	✓						
Seat Belts	✓						
Operators Seat Bar(s)	✓						
Side Shields, Screens or Cabs	✓						
Lift Arm Restraining Device	✓						
Grab Handles	✓						
Back Up Alarm(s) – Working	✓						
Lights	✓						
Guards	✓						
Horn	✓						
Anti-Skid Tread Steps Clear of Mud	✓						
Safety Signs (Counterbalance swing area)	✓						
Fire Extinguisher (arrow in green, mon. inspect)	NA						
General Condition	Rough						
Fuel Condition	✓						
Oil (Full, No Leaks)	NA						
Clear of Extra Materials	✓						
Controls Function Properly	✓						
Damaged Parts	Tracks	Decales					
Hydraulic System (Full, No Leaks)	NA						
Parking Brake	✓						
Lift Arm and Bucket	✓						
Tires/Tracks	Tracks						
Steering	✓						
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	JW						
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the attention of the supervisor immediately. Operators are required to sign in on this sheet the first time that they operator the equipment each day.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO._____ EQUIPMENT NAME: Excavator WEEK OF: 03/20/10

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓						
Roll-Over Protective Structure (ROP)	✓						
Seat Belts	✓						
Operators Seat Bar(s)	NA						
Side Shields, Screens or Cabs	✓						
Lift Arm Restraining Device	NA						
Grab Handles	✓						
Back Up Alarm(s) – Working	✓						
Lights	✓						
Guards	✓						
Horn	✓						
Anti-Skid Tread Steps Clear of Mud	✓						
Safety Signs (Counterbalance swing area)	✓						
Fire Extinguisher (arrow in green, mon. inspect)	✓						
General Condition	Scratches						
Fuel Condition	✓						
Oil (Full, No Leaks)	NA						
Clear of Extra Materials	✓						
Controls Function Properly	✓						
Damaged Parts	NA						
Hydraulic System (Full, No Leaks)	NA						
Parking Brake	✓						
Lift Arm and Bucket	✓						
Tires/Tracks	✓						
Steering	✓						
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	Bill						
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	002

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	16March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
58	40	Overcast	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	10	8	18
Jeff Hooten	Laborer	770	8	0	8
TolTest Total Hours			18	8	26

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	8	8

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **26**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 16
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 42
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	002
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	16March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- The LES QC performed a visual inspection of SWMU 9/13 area prior to the start of field activities. SWMU 9/13 area was cleared for activity. The LES QC repeated his inspection upon completion of the day's activities prior to leaving the site.
- TolTest continued excavation of contaminated area near B-171.
- One quad-axle loads of dirt were transported to Sycamore Ridge Landfill by McGuire Trucking.
- TolTest associates covered the open excavation with poly sheeting per Work Plan.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	002
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	16March10

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	**3/16/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/16/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~22991.01~~ 23050.01 Date: 03/6/10 Time: 0630
Client: ~~EPS~~ Navy Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Foot Traffic
2. Truck Traffic
3. Keep Mud off of Roads
4.
5.

Chemical Hazards: PCB's

Physical Hazards:

~~Personal Protective Equipment:~~

Activity: PPE: Hard Hat
Activity: PPE: Steel Toes
Activity: PPE: Safety vest
Activity: PPE: Safety Glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Jeff Hooten	[illegible]
Allen B. Childress	[illegible]

Meeting Conducted By: Bill Webster Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO._____ EQUIPMENT NAME: Excavator WEEK OF: 03/20/10

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓	✓					
Roll-Over Protective Structure (ROP)	✓	✓					
Seat Belts	✓	✓					
Operators Seat Bar(s)	NA	NA					
Side Shields, Screens or Cabs	✓	✓					
Lift Arm Restraining Device	NA	NA					
Grab Handles	✓	✓					
Back Up Alarm(s) – Working	✓	✓					
Lights	✓	✓					
Guards	✓	✓					
Horn	✓	✓					
Anti-Skid Tread Steps Clear of Mud	✓	✓					
Safety Signs (Counterbalance swing area)	✓	✓					
Fire Extinguisher (arrow in green, mon. inspect)	✓	✓					
General Condition	Scratches	Scratches					
Fuel Condition	✓	✓					
Oil (Full, No Leaks)	NA	NA					
Clear of Extra Materials	✓	✓					
Controls Function Properly	✓	✓					
Damaged Parts	NA	NA					
Hydraulic System (Full, No Leaks)	NA	NA					
Parking Brake	✓	✓					
Lift Arm and Bucket	✓	✓					
Tires/Tracks	✓	✓					
Steering	✓	✓					
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	Bill	Pete					
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO._____ EQUIPMENT NAME: Skid Steer Cat WEEK OF: 032010

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓	✓					
Roll-Over Protective Structure (ROP)	✓	✓					
Seat Belts	✓	✓					
Operators Seat Bar(s)	✓	✓					
Side Shields, Screens or Cabs	✓	✓					
Lift Arm Restraining Device	✓	✓					
Grab Handles	✓	✓					
Back Up Alarm(s) – Working	✓	✓					
Lights	✓	✓					
Guards	✓	✓					
Horn	✓	✓					
Anti-Skid Tread Steps Clear of Mud	✓	✓					
Safety Signs (Counterbalance swing area)	✓	✓					
Fire Extinguisher (arrow in green, mon. inspect)	NA	NA					
General Condition	Rough	Rough					
Fuel Condition	✓	✓					
Oil (Full, No Leaks)	NA	NA					
Clear of Extra Materials	✓	✓					
Controls Function Properly	✓	✓					
Damaged Parts	Tracks	Decales					
Hydraulic System (Full, No Leaks)	NA	NA					
Parking Brake	✓	✓					
Lift Arm and Bucket	✓	✓					
Tires/Tracks	Tracks	Tracks					
Steering	✓	✓					
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	JW	JW					
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the attention of the supervisor immediately. Operators are required to sign in on this sheet the first time that they operator the equipment each day.

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	003

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	17March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
63	43	Sunny	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	10	18	28
Jeff Hooten	Laborer	770	0	8	8
TolTest Total Hours			10	26	36

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	8	8
Boblitt Surveying	Surveying	1	1	1

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **19**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 42
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 61
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	003
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	17March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- The LES QC performed a visual inspection of SWMU 9/13 area prior to the start of field activities. SWMU 9/13 area was cleared for activity. The LES QC repeated his inspection upon completion of the day's activities prior to leaving the site.
- TolTest continued excavation of contaminated area near B-171.
- Two quad-axle loads of PCB contaminated soil and concrete were transported to Heritage Landfill by McGuire Trucking.
- TolTest associates covered the open excavation with poly sheeting per Work Plan.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	003
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	17March10

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	**3/17/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/17/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~27991.01~~ 23050.01 Date: ~~[illegible]~~ 031710 Time: 0630
Client: ~~[illegible]~~ Navy Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Truck traffic
2. Over head power lines.
3.
4.
5.

Chemical Hazards: P.C.B's

Physical Hazards:

~~Personal Protective Equipment:~~

Activity: PPE: Hard Hat
Activity: PPE: Steel Toes
Activity: PPE: Safety vest
Activity: PPE: Safety Glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Jeff Hooten	
Allen B. Childress	[illegible]

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO._____ EQUIPMENT NAME: Skid Steer Cat WEEK OF: 032010

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓	✓	✓				
Roll-Over Protective Structure (ROP)	✓	✓	✓				
Seat Belts	✓	✓	✓				
Operators Seat Bar(s)	✓	✓	✓				
Side Shields, Screens or Cabs	✓	✓	✓				
Lift Arm Restraining Device	✓	✓	✓				
Grab Handles	✓	✓	✓				
Back Up Alarm(s) – Working	✓	✓	✓				
Lights	✓	✓	✓				
Guards	✓	✓	✓				
Horn	✓	✓	✓				
Anti-Skid Tread Steps Clear of Mud	✓	✓	✓				
Safety Signs (Counterbalance swing area)	✓	✓	✓				
Fire Extinguisher (arrow in green, mon. inspect)	N/A	N/A	N/A				
General Condition	Rough	Rough	Rough				
Fuel Condition	✓	✓	✓				
Oil (Full, No Leaks)	N/A	N/A	N/A				
Clear of Extra Materials	✓	✓	✓				
Controls Function Properly	✓	✓	✓				
Damaged Parts	Tracks	Tracks	Tracks				
Hydraulic System (Full, No Leaks)	N/A	N/A	N/A				
Parking Brake	✓	✓	✓				
Lift Arm and Bucket	✓	✓	✓				
Tires/Tracks	Tracks	Tracks	Bad				
Steering	✓	✓	✓				
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	BW	BW	BW				
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the attention of the supervisor immediately. Operators are required to sign in on this sheet the first time that they operator the equipment each day.

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	004

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	18March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
66	40	Sunny	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	8	28	36
Jeff Hooten	Laborer	770	0	8	8
Wayne Moore	Laborer	770	8	0	8
TolTest Total Hours			16	36	52

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	8	8

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **24**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 61
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 85
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	004
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	18March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- The LES QC performed a visual inspection of SWMU 9/13 area prior to the start of field activities. SWMU 9/13 area was cleared for activity. The LES QC repeated his inspection upon completion of the day's activities prior to leaving the site.
- TolTest continued excavation of contaminated area near B-171.
- TolTest associates covered the open excavation with poly sheeting per Work Plan.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	004
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	18March10

Type or Print Name, Superintendent	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/18/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/18/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 23050.01 Date: 3/18/10 Time: 7:30
Client: LES Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Equipment Safety
2. Hand Tool Safety
3. Traffic Safety
4.
5.

Chemical Hazards:

Physical Hazards: Pinch Point / Back Strain

Personal Protective Equipment:
Activity: Install Silt Fence PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Brill Webster	Brill Webster
Mike B Christovich	[illegible]

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO. _____ EQUIPMENT NAME: Excavator WEEK OF: 03.20.10

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓	✓	✓				
Roll-Over Protective Structure (ROP)	✓	✓	✓				
Seat Belts	✓	✓	✓				
Operators Seat Bar(s)	NA	NA	NA				
Side Shields, Screens or Cabs	✓	✓	✓				
Lift Arm Restraining Device	NA	NA	NA				
Grab Handles	✓	✓	✓				
Back Up Alarm(s) – Working	✓	✓	✓				
Lights	✓	✓	✓				
Guards	✓	✓	✓				
Horn	✓	✓	✓				
Anti-Skid Tread Steps Clear of Mud	✓	✓	✓				
Safety Signs (Counterbalance swing area)	✓	✓	✓				
Fire Extinguisher (arrow in green, mon. inspect)	✓	✓	✓				
General Condition	Scratches	Scratches	Scratches				
Fuel Condition	✓	✓	✓				
Oil (Full, No Leaks)	NA	NA	NA				
Clear of Extra Materials	✓	✓	✓				
Controls Function Properly	✓	✓	✓				
Damaged Parts	NA	NA	NA				
Hydraulic System (Full, No Leaks)	NA	NA	NA				
Parking Brake	✓	✓	✓				
Lift Arm and Bucket	✓	✓	✓				
Tires/Tracks	✓	✓	✓				
Steering	✓	✓	✓				
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	Brad	Brad	BW				
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	005

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	19March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
68	42	Sunny	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	8	36	44
Jeff Hooten	Laborer	770	0	8	8
Wayne Moore	Laborer	770	8	8	16
TolTest Total Hours			16	52	68

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	8	8

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **24**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 85
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 109
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	005
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	19March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- The LES QC performed a visual inspection of SWMU 9/13 area prior to the start of field activities. SWMU 9/13 area was cleared for activity. The LES QC repeated his inspection upon completion of the day's activities prior to leaving the site.
- TolTest continued excavation of contaminated area near B-171.
- TolTest associates covered the open excavation with poly sheeting per Work Plan.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	005
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	19March10

Type or Print Name, Superintendent	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/19/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/19/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: ~~2291.01~~ 23050.01 Date: ~~03/09~~ 03/10/10 Time: 0630
Client: ~~LBS~~ Navy Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Truck's
2. Foot traffic
3.
4.
5.

Chemical Hazards:

Physical Hazards:

~~Personal Protective Equipment:~~

Activity: PPE: Hard Hat
Activity: PPE: Steel toes
Activity: PPE: Safety Vest
Activity: PPE: Safety Glasses
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Allan B. Childress	[illegible]
Wayne Moore	[illegible]

Meeting Conducted By: Bill Webster Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

WEEKLY HEAVY EQUIPMENT INSPECTION CHECKLIST

EQUIPMENT I.D. NO. _____ EQUIPMENT NAME: Excavator WEEK OF: 03/20/10

ITEM INSPECTED Date → Project Number →	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
Falling Object Protective Structure (FOP)	✓	✓	✓				
Roll-Over Protective Structure (ROP)	✓	✓	✓				
Seat Belts	✓	✓	✓				
Operators Seat Bar(s)	NA	NA	NA				
Side Shields, Screens or Cabs	✓	✓	✓				
Lift Arm Restraining Device	NA	NA	NA				
Grab Handles	✓	✓	✓				
Back Up Alarm(s) – Working	✓	✓	✓				
Lights	✓	✓	✓				
Guards	✓	✓	✓				
Horn	✓	✓	✓				
Anti-Skid Tread Steps Clear of Mud	✓	✓	✓				
Safety Signs (Counterbalance swing area)	✓	✓	✓				
Fire Extinguisher (arrow in green, mon. inspect)	✓	✓	✓				
General Condition	Scratches	Scratches	Scratches				
Fuel Condition	✓	✓	✓				
Oil (Full, No Leaks)	NA	NA	NA				
Clear of Extra Materials	✓	✓	✓				
Controls Function Properly	✓	✓	✓				
Damaged Parts	NA	NA	NA				
Hydraulic System (Full, No Leaks)	NA	NA	NA				
Parking Brake	✓	✓	✓				
Lift Arm and Bucket	✓	✓	✓				
Tires/Tracks	✓	✓	✓				
Steering	✓	✓	✓				
Hours at Time of Inspection							
Time Inspected							
Inspectors Name	[illegible]	[illegible]	[illegible]				
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							
Operator Sign In (Name and Time)							
Operator Sign In (Job Number)							

INSTRUCTIONS – Inspect all applicable items indicated each shift prior to use. Note any unsatisfactory conditions on the back of this sheet and bring to the

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	006

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	22March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
45	39	Overcast/Rain	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Superintendent	770	0	44	44
Jeff Hooten	Laborer	770	0	8	8
Wayne Moore	Laborer	770	0	16	16
TolTest Total Hours			0	68	68

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	0	0

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **0**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 109
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 109
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

TASKS

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	006
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	22March10

- No work was done on site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	MOD 1 work – not included in original project schedule	Scheduled Job % Complete:	

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	3/22/10
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	3/22/10

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	013

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	31March10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
74	38	Sunny	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Laborer	770	0	70	70
Jeff Hooten	Laborer	770	8	24	32
Wayne Moore	Superintendent	770	8	58	66
Jared Stoll	Laborer	770	0	4	0
TolTest Total Hours			16	156	172

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	0	0

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**TolTest-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**TolTest-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**
Mini Excavator	**1**	**Yes**	**Rental- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **16**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 197
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 213
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	013
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	31March10

TASKS

- The Site Superintendent conducted a safety meeting prior to the start of field activities.
- Associates cleared railroad bed of loose ties, regarded it, and put down rock.
- TolTest associates sowed grass and straw in SWMU 13 work site
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS

Actual Job % Complete:	10%	Scheduled Job % Complete:	

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	013
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	31March10

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	**3/31/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**3/31/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 22991.01/23 0500/ Date: 3/31/10 Time: 7am
Client: LES Site Location: NSA Crane, IN
Work Activities:
Hospital Name/Address: Bloomington Hospital
Hospital Phone No.: 812-336-6821 Ambulance Phone No.: 812-854-1235
Directions to Hospital: HWY 45 through the Bloomington Gate (45 turns into 2nd St.) 601 W. 2nd St. Bloomington, IN

Safety Topics Presented

1. Equipment Safety
2. Leading Edge Work
3. Ladder Safety
4. Explosives Potential Today
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Dale E. Miller	Dale E. Miller
Allen B. Childress	[illegible]
Jeff Hooten	[illegible]
David Boslit	[illegible]

Meeting Conducted By:
Wayne Moore — Wayne Moore

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

[illegible] FORM
[illegible]

Daily Site Access Log

WAYNE MOORE	TOL TEST INC	3/31/10
Dale E. Miller	USAE	3/31/10
DAVID BOBLITT	BOBLITT LAND SURVEYING	3/31/10
Allen B Gilbreath	Lakeshore Eng	3-31-10
JEFF Hooten	TOL TEST	3-31-10

F234	DAILY REPORT	TOLTEST, INC.

Project Name	Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II	NAVFAC	025

Contract No.	TO/DO	Completion Date	Location	Date of Report
N40083-05-D-4015		01May10	Crane, IN	16April10

Site Superintendent Name	Site Superintendent Telephone	Site Superintendent Email
Wayne Moore	812-709-1039	wayne.moore@toltest.com
Project Manager Name	**Project Manager Telephone**	**Project Manager Email**
Brian Morgan	812-701-4198	Brian.morgan@toltest.com
Base / Customer POC Name	**Base / Customer POC Telephone**	**Base / Customer POC Email**
Tim Sears	812-296-1008	Tim.sears@navy.mil
Project Web Portal Address		

WEATHER

Temp: High	Temp: Low	Precipitation / Humidity	Wind	Impact / Remarks
77	58	Cloudy	Light	

TOLTEST PERSONNEL

Name	Position Title	PLC Code	Hours Today	Previous Hours	Total Hours
Bill Webster	Laborer	770	4	70	74
Jeff Hooten	Laborer	770	0	36	36
Wayne Moore	Superintendent	770	4	70	74
Jared Stoll	Laborer	770	0	4	4
Brian Morgan	Project Manager		0	1	1
Mike Hoovis	Laborer	770	4	0	4
TolTest Total Hours			12	181	193

SUBCONTRACTORS for PROJECT

Name of Subcontractor	Trade / Scope of Work	Number	Hours	Total Hours
LES	UXO Supervisor	1	0	0

EQUIPMENT ON THE JOB SITE TODAY (Identify if Rental, TolTest, or Subcontractor owned in notes section)

Description	QTY	Daily Inspection	Notes
Hyundai 200 - Excavator	**1**	**Yes**	**Rental-No issues upon inspection**
CAT 277 - Skid Steer	**1**	**Yes**	**Rental-No issues upon inspection**
Service Truck	**1**	**Yes**	**TolTest-No issues upon inspection**
Passenger Truck	**1**	**Yes**	**LES- No issues upon inspection**
Mini Excavator	**1**	**Yes**	**Rental- No issues upon inspection**

SAFETY ISSUES

Was a job safety meeting held this date? (If YES, attach copy of sign in sheet).	☒Yes ☐No ☐N/A	**Total work hours on job site today:** **12**
Were there any incidents or accidents this date? (If YES, attach copy of completed incident report)	☐Yes ☒No ☐N/A	**Cumulative total of work hours from previous report:** 222
Was trenching, scaffold, HV electrical, high work, hot work done? (If YES, attach statement or checklist showing inspection performed)	☐Yes ☒No ☐N/A	**Total work hours from start of construction:** 234
Was hazardous material/waste released into the environment? (If YES, attach description of incident and proposed action)	☐Yes ☒No ☐N/A	
Was a safety inspection conducted this date? (If YES, attach completed inspection checklist)	☒Yes ☐No ☐N/A	

F234	DAILY REPORT	TOLTEST, INC.

Project Name			Customer (s)	Report No.
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	025
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	16April10

TASKS

- Site Superintendent conducted tailgate safety meeting prior to the start of field activities.
- Site Superintendent met with Tom Brent and Tim Sears to confirm excavation boundaries (vertical/horizontal) and to ensure nearby buried waterline would not be damaged during dig operations. Crane officials indicated that equipment should not encroach upon the 12' offset boundary of water line flagging.
- Associates removed "clean" stormwater collected within the poly lined excavation areas w/ 2" pump.
- (2) US Bulk transport trucks arrived onsite at 0800hrs.
- Associates loaded TSCA impacted soils from prior SWMU 13 excavation, weighed at DMRO, and generated manifest tickets. A total of four truck loads of TSCA materials were removed and sent to Heritage Landfill today.
- TolTest associates covered the open excavation with poly sheeting per Work Plan and installed safety fencing.
- Associates cleared work areas and secured the job site.

CONSTRUCTION WORK PERFORMED TODAY

SUB	Schedule Activity ID.	Schedule Completion Date	What work was completed, quantities, provide detailed information	DFOW (Y or N)
TolTest			**88 tons of TSCA material removed from SWMU 13 area (MOD 002)**	**Y**

MATERIAL RECEIVED TODAY TO BE INCORPORATED INTO WORK

Description	Quantity	Notes

SUBMITTALS REVIEWED TODAY

Description	Number	Notes

TESTING DONE TODAY

Description	Spec Section	Notes

Dumpsters delivered today:		Dumpsters removed today:		Total Dumpsters to date:	

INSPECTIONS TODAY (ON-SITE or OFF-SITE)

REMARKS / UNRESOLVED ISSUES

F234	DAILY REPORT			TOLTEST, INC.
Project Name			**Customer (s)**	**Report No.**
SWMU 9 PCB/Pesticide Removal-Phase II			NAVFAC	025
Contract No.	**TO/DO**	**Completion Date**	**Location**	**Date of Report**
N40083-05-D-4015		01May10	Crane, IN	16April10

OVERALL JOB IMPACT TO SCHEDULE / PROJECT DELAYS			
Actual Job % Complete:	20%	**Scheduled Job % Complete:**	

Type or Print Name, Superintendent	Signature	Date
Wayne Moore	Wayne Moore	**4/16/10**
Type or Print Name, QC Rep	**Signature**	**Date**
Wayne Moore	Wayne Moore	**4/16/10**

ATTACHMENT 4
TAILGATE SAFETY MEETING FORM

Project Name/Number: 20979.11 / 20350.01 Date: 4/16/10 Time: 7:00
Client: Site Location:
Work Activities:
Hospital Name/Address:
Hospital Phone No.: Ambulance Phone No.:
Directions to Hospital:

Safety Topics Presented

1. Truck Safety
2. Railroad Safety
3.
4.
5.

Chemical Hazards:

Physical Hazards:

Personal Protective Equipment:
Activity: PPE: Level D
Activity: PPE:
Activity: PPE:
Activity: PPE:
Activity: PPE:

New Equipment:

Permits Required This Date:

Attendees

Name (Print)	Signature
Wayne Moore	Wayne Moore
Mike Hughes	Michael Hughes
Allen Childers	Allen Childers
Dale E. Miller	Dale E. Miller

Meeting Conducted By: Bill Webster — Bill Webster

TolTest is not liable for the information presented to non-TolTest associates. Non-TolTest associates are required to conduct their own Tailgate Safety Meeting.

[redacted]

[redacted]

Daily Site Access Log

[redacted]		
Michael Havis	Toltest	4-16-10
Dale E. Miller	USAE	4-16-10
Allen B. Childers	Lockheed [illegible]	4-16-10
Nathan Hirschberger	TolTest	4-16-10
Gary Abbott	MacAllister	4-16-10
Wayne moore	TolTest	4-16-10

APPENDIX J

TOLTEST'S MANIFESTS AND WEIGHT TICKETS

J.1 MANIFESTS AND WEIGHT TICKETS

J.2 BACKFILL WEIGHT TICKETS

J.1 MANIFESTS AND WEIGHT TICKETS

1022

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206056WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,414	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936816
PCB OUT OF SERVICE DATE: 11/6/08
wt: 19736 kg
(43420 lb)
[12303671]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kevin Powers
Signature: Kevin Powers
Month 10 Day 06 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
~~TRAILER NO.~~ AF-37324	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:16:22 06 Nov 2008 78580 lb	
EMPTY WT-STENCIL	TARE 08:37:29 06 Nov 2008 30840 lb	
LOAD LIMT	NET 47,540	
☐ COUPLED	21,44	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206057WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,873	kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936817
PCB OUT OF SERVICE DATE: 11/6/08

incl 22664kg
(49860lb)
[1230368]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 6 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-2

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:01:52 06 Nov 2008 80900 lb
EMPTY WT-STENCIL	TARE	13:20:25 06 Nov 2008 30580 lb
LOAD LIMIT	NET	50,320
		22,873
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206058WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704

U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,364	KG	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936818
PCB OUT OF SERVICE DATE: 11/6/08

211184
(464606)

[1230369]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chet Cuthbertson
Signature: Chet Cuthbertson
Month 11 Day 6 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-3

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:16:58 06 Nov 2008 79920 lb
EMPTY WT-STENCIL	TARE	13:20:07 06 Nov 2008 31920 lb
LOAD LIMIT	NET	47,000
☐ COUPLED		21,364 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206059WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,691	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936819
PCB OUT OF SERVICE DATE: 11/6/08

wt: 22527kg (49560lb)

[1230370]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TOM JEFFERS
Signature: Tom Jeffers
Month 11 Day 6 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAVID PARRA
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-4

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:29:52 06 Nov 2008 80000 lb
EMPTY WT-STENCIL	TARE	13:37:25 06 Nov 2008 30080 lb
LOAD LIMIT	NET	49,920
☒ COUPLED		22,691
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

10-20-2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206068WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,523	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936828
PCB OUT OF SERVICE DATE: 11/6/08

wt. 21,527 kg (47580 lb)
[1230379]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 6 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To Test

TRUCK/TRACTOR NO. 1024-2	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	
LOAD LIMIT	NET	47,780
☐ COUPLED		21,523 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206069WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,892	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936829
PCB OUT OF SERVICE DATE: 11/6/08

wt. 21982kg
(48260lb) [1230380]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 06 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tom JEFFERS
Signature: Tom Jeffers
Month 11 Day 6 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 325858	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1024-4	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:01:59 06 Nov 2006 78920 lb
EMPTY WT-STENCIL	TARE	08:57:13 06 Nov 2006 30320 lb
LOAD LIMIT	NET	48600
☐ COUPLED		21,892
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206070WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20,644	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936830
PCB OUT OF SERVICE DATE: 11/6/08
wt: 20527kg
(4516016)
[12303811]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 6 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chet Cuthbertson
Signature: Chet Cuthbertson
Month 11 Day 6 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 06 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1024-3	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:32:06 06 Nov 2008 77540 lb
EMPTY WT-STENCIL	TARE	07:00:42 06 Nov 2008 32080 lb
LOAD LIMIT	NET	45,460
☐ COUPLED		20,664 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-03

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206060WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,382	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936820
PCB OUT OF SERVICE DATE: 11/7/08

wt, 21195lg
(9652016)

[1230371]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month Day Year: 11 07 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Chet Cuthbertson
Signature: Chet Cuthbertson
Month Day Year: 11 7 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year: 11 07 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-03

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:15:41 07 Nov 2005 79260 lb
EMPTY WT-STENCIL	TARE	07:33:32 07 Nov 2005 32220 lb
LOAD LIMIT	NET	47040
☐ COUPLED		21,382
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206061WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,682	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI_Q488612_T#1936821
PCB OUT OF SERVICE DATE: 11/7/08

wt: 22,673 kg
(49,886 lb)

[1230372]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 07 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TOM JEFFERS
Signature: Tom Jeffers
Month 11 Day 7 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 07 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-04

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:26:09 07 Nov 2008 80360 lb
EMPTY WT-STENCIL	TARE	~~08:26:12 07 Nov 2008 50760 lb~~
LOAD LIMIT	NET	07:35:05 07 Nov 2008 30480 lb
		49,900
☐ COUPLED		22,682 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-02

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206062WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,318	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936822
PCB OUT OF SERVICE DATE: 11/7/08

Cal: 22264 kg (49806 lb)

[1230373]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 07 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 7 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 11 Day 07 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-02

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:34:27 07 Nov 2008 80360 lb
EMPTY WT-STENCIL	TARE	07:39:23 07 Nov 2008 31260 lb
LOAD LIMIT	NET	49,100
☐ COUPLED		22,318 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1022

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206063WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,236	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
I.W1 Q489612 T#1936823
PCB OUT OF SERVICE DATE: 11/7/08

wt 22236 kg
(4892016)

[1230374]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month Day Year: 11 07 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kevin Powers
Signature: Kevin Powers
Month Day Year: 11 07 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year: 11 07 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1022
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10:32:01 07 Nov 2008 79960 lb
EMPTY WT-STENCIL	TARE	09:36:48 07 Nov 2008 31040 lb
LOAD LIMIT	NET	
☐ COUPLED		
☐ UNCOUPLED		48,920
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck #: 1024-2

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206064WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,181	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936824
PCB OUT OF SERVICE DATE: 11/07/08
wt: 22109kg
(4864016)
[1230375]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 07 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 7 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 11 Day 07 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-2

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:13:22 07 Nov 2008 79750 lb
EMPTY WT-STENCIL	TARE	13:04:16 07 Nov 2008 30950 lb
LOAD LIMIT	NET	
☐ COUPLED		22181 kg
☐ UNCOUPLED		48,800
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck #: 1024-3

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206065WAS

5. Generator's Name and Mailing Address:
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address):
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,127	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936825
PCB OUT OF SERVICE DATE: 11/7/08
wt: 21891kg
(48150lb)
[1230376]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 07 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: X Chet Cuthbertson
Signature: Chet Cuthbertson
Month 11 Day 7 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 07 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1024-3	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:48:40 07 Nov 2008 90640 lb	
EMPTY WT-STENCIL	TARE 12:38:29 07 Nov 2008 31960 lb	
LOAD LIMIT	NET 22,127 Kg. 48,680 lb	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck #: 1024-4

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206066WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,709	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936826
PCB OUT OF SERVICE DATE: 11/7/08

incl: 22545kg
(49600lb)

[1230377]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 07 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tom JEFFERS
Signature: Tom Jeffers
Month 11 Day 7 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year 11 07 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024 · 4

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:53:11 07 Nov 2008 80020 lb
EMPTY WT-STENCIL	TARE	12:52:59 07 Nov 2008 30060 lb
LOAD LIMIT	NET	22,709 kg
☐ COUPLED		49,960
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206046WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,436	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
I.W1 Q488612 T#1936806
PCB OUT OF SERVICE DATE: 11/10/08

wt 22264kg (49880lb) [1230357]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christa D [illegible] Signature: Christa D [illegible] Month 11 Day 10 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Terrell Signature: [illegible] Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name: Signature: Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible] Signature: [illegible] Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206046WAS

Net Kg: 22264

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1024-2

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	071549 10 Nov 2008 80480 lb
EMPTY WT-STENCIL	TARE	071049 10 Nov 2008 31120 lb
LOAD LIMIT	NET	
☐ COUPLED		
☐ UNCOUPLED		49,360
CONTRACT NO.	CONTRACTOR	22,436 kg.
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206047WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,036	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936807
PCB OUT OF SERVICE DATE: 11/10/08

wl: 2182)14
(4802)14
[1230358]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D. Freeman
Signature: Christine D. Freeman
Month 11 Day 10 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206047WAS

Net Kg: 21827

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1024-1

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	03407118 10 Nov 2008 79740 lb
EMPTY WT-STENCIL	TARE	07407143 10 Nov 2008 31260 lb
LOAD LIMIT	NET	48,480
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	22,036 Kg
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206048WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,250	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936808
PCB OUT OF SERVICE DATE: 11/10/08

wt. 22504KG
(49640lb)

[1230359]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D. Freeman
Signature: Christine D Freeman
Month Day Year: 11 10 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Tom JEFFERS
Signature: Tom Jeffers
Month Day Year: 11 10 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month Day Year: 11 10 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206048WAS

Net Kg: 22564

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1024-4

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:20:05 10 Nov 2008 80520 lb
EMPTY WT-STENCIL	TARE	07:26:11 10 Nov 2008 31560 lb
LOAD LIMIT	NET	48,960
☐ COUPLED		
☐ UNCOUPLED		22,256 Kg
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206049WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,090	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
I.WI Q488612 T#1936809
PCB OUT OF SERVICE DATE: 11/10/08
Gal: 21482 kg
(47260 lb)
[1230360]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D. Freeman
Signature: Christine D Freeman
Month 11 Day 10 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dick Hartman
Signature: Dick Hartman
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206049WAS

Net Kg: 21482

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1009

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:26:03 10 Nov 2008 76780 lb
EMPTY WT-STENCIL	TARE	07:06:53 10 Nov 2008 32360 lb
LOAD LIMIT	NET	46,400
☐ COUPLED		
☐ UNCOUPLED		21090.9 kg
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206050WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19,027	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936811
PCB OUT OF SERVICE DATE: 11/10/08

ml. 9/3406

[1230362]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D. Freeman
Signature: Christine D Freeman
Month 11 Day 10 Year 08

GENERATOR

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

INT'L

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Tetrell
Signature:
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

TRANSPORTER

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month 11 Day 10 Year 08

DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206050WAS

Net Kg: 18791

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET 10-09

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:17:07 10 Nov 2008 73560 lb
EMPTY WT-STENCIL	TARE	12:34:56 10 Nov 2008 31800 lb
LOAD LIMIT	NET	41,800
☐ COUPLED		
☐ UNCOUPLED		19,027
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206051WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,027	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936810
PCB OUT OF SERVICE DATE: 11/10/08
wt: 22445kg (4938016)
[1230361]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D Freeman
Signature: Christine D Freeman
Month 11 Day 10 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dick Hartman
Signature: Dick Hartman
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3/05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206051WAS

Net Kg: 22445

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET 1024-1
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:44:54 10 Nov 2008 79440 lb	
EMPTY WT-STENCIL	TARE 13:05:44 10 Nov 2008 30980 lb	
LOAD LIMIT	NET 48,460	
☐ COUPLED		
☐ UNCOUPLED	22,027 Kg	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206052WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20,354	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936812
PCB OUT OF SERVICE DATE: 11/10/08
Wt: 20700kg (45540lb)
[1230363]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D Freeman
Signature: Christine D Freeman
Month 11 Day 10 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dave Bisping
Signature: Dave Bisping
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET 1024-2

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:51:25 10 Nov 2003 75640 lb	
EMPTY WT-STENCIL	TARE 17:09:23 10 Nov 2003 30860 lb	
LOAD LIMIT	NET 44,780	
☐ COUPLED		
☐ UNCOUPLED	20,354 Kg	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206053WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22,015	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1_Q488612_T#1936813
PCB OUT OF SERVICE DATE: 11/10/08
wt: 22309kg
(9908016)
[1230364]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Christine D. Freeman
Signature: Christine D Freeman
Month 11 Day 10 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tom JEFFERS
Signature: Tom Jeffers
Month 11 Day 10 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 11 Day 10 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 10-Nov-08

Manifest: 000 206051WAS

Net Kg: 22445

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET 1024 - 4
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:14:58 10 Nov 2008 79780 lb	
EMPTY WT-STENCIL	TARE 13:07:14 10 Nov 2008 31280 lb	
LOAD LIMIT	NET 48,500	
☐ COUPLED		
☐ UNCOUPLED	22,045	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206067WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19,373	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936827
PCB OUT OF SERVICE DATE: 11/12/08

wf 4322016

[1230378]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 12 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Terrell
Signature:
Month 11 Day 12 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month 11 Day 12 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: 121853-1 PCB Contaminated Soil and Debris

Disposal Method: Landfilled

Disposal Date: 12-Nov-08

Manifest: 000 206067WAS

Net Kg: 19645

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	14:23:57 12 Nov 2008 74620 lb
EMPTY WT-STENCIL	TARE	13:41:56 12 Nov 2008 32000 lb
LOAD LIMIT	NET	42620
☐ COUPLED		19,373
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206054WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21264	Kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936814
PCB OUT OF SERVICE DATE: 11/12/08

wt 21118kg
(46460lb) [1230365]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 12 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Tebbell
Signature:
Month 11 Day 12 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: 87164
Signature:
Month 11 Day 12 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:20:44 12 Nov 2008 79080 lb
EMPTY WT-STENCIL	TARE	07:12:29 12 Nov 2008 32300 lb
LOAD LIMIT	NET	46,780
☐ COUPLED		21,264 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206055WAS

5. Generator's Name and Mailing Address:
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address):
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,223	kg	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936815
PCB OUT OF SERVICE DATE: 11/12/08
. wt 21518kg
(4734046)
[1230366]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 11 Day 12 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: TOM JEFFERS
Signature: Tom Jeffers
Month 11 Day 12 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month 11 Day 12 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 1024-2

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:57:06 12 Nov 2008 70640 lb
EMPTY WT-STENCIL	TARE	08:11:45 12 Nov 2008 31840 lb
LOAD LIMIT	NET	46800
☐ COUPLED		21,273
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

001

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,320	10-28-09	DT
	Building 169			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Bent — Signature — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — Signature — 11/17/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 11/17/08 — Date Received

Form SW02 (2003)

445352

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	08:21:34 17 Nov 2016 78590 lb
LOAD LIMIT	NET	07:04:38 17 Nov 2016 32260 lb 46,320
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris		10-28-09	
	From B166/169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-4
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

TOM JEFFERS — Tom Jeffers — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature #445374 — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To/test

TRUCK/TRACTOR NO. 1024-4	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:32:58 17 Nov 2006 97340	
EMPTY WT-STENCIL	TARE 07:27:03 17 Nov 2006 31800	
LOAD LIMIT	NET 48,740	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,060 lbs	10-28-09	DT
	from B166/169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hartman — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#445387

STAT 10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:51:01 17 Nov 2008 79960 lb
EMPTY WT-STENCIL	TARE	07:24:58 17 Nov 2008 31900 lb
LOAD LIMIT	NET	48,060
☐ COUPLED		
☐ UNCOUPLED		
ONTRACT NO.	CONTRACTOR	
EM NO.		
RTIAL DEL. NO.		

NTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,608 lb.	10-28-09	DT
	from B116/169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

445380

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:51:01 17 Nov 2008 79960 lb
EMPTY WT-STENCIL	TARE	07:24:58 17 Nov 2008 31900 lb
LOAD LIMIT	NET	48,060
☐ COUPLED		
☐ UNCOUPLED		
ONTRACT NO.	CONTRACTOR	
EM NO.		
RTIAL DEL. NO.		

NTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane

Address: 300 Highway 361

City: Crane County: Martin

State: IN Zip: 47522

Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.

Address: 1480 Ford St.

City: Maumee County: Lucas

State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,580 lbs.	10-28-09	DT
	From B166/169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk

Transporter Address: 793-1 Juniper Rd.

Valparaiso, IN

DOT#

Truck Number: 1022

Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill

Phone No. 812-298-2160

Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 11/17/08 Date Received

Form SW02 (2003)

#445391

1581022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) #005

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:16:04 17 Nov 2006 79520 lb
EMPTY WT-STENCIL	TARE	07:39:39 17 Nov 2006 31040 lb
LOAD LIMIT	NET	44,580
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,140 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy TerReil — [signature] — 11/17/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 11/17/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest #006

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	12:16:34 17 Nov 2008 79280 lb
EMPTY WT-STENCIL	TARE	11:34:34 17 Nov 2008 32140 lb
LOAD LIMIT	NET	47,140
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,380	10-28-09	DT
	from 3169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-4
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

TOM JEFFERS — Tom Jeffers — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 11/17/08 Date Received

Form SW02 (2003)

11/15/08

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest #007

TRUCK/TRACTOR NO. 1024-4	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	13:27:55 17 Nov 2008 79960 lb
EMPTY WT-STENCIL	TARE	13:08:43 17 Nov 2008 34580 lb
LOAD LIMIT	NET	45,380
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,080 lbs.	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

~~Thom~~ Dick Hartman — Dick Hartman — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature — 445525 — Date Received

Form SW02 (2003)

TA-10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1024-1 # 008

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:11:30 17 Nov 2003 76920
EMPTY WT-STENCIL	TARE	13:20:52 17 Nov 2003 31740
LOAD LIMIT	NET	45,080
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,020 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature — 445527 — Date Received

Form SW02 (2003)

STA 1124

WEIGHT TICKET 1024-2 #009

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:14:43 17 Nov 2008 79420 lb
EMPTY WT-STENCIL	TARE	13:20:07 17 Nov 2008 31400 lb
LOAD LIMIT	NET	48,020
☒ COUPLED		
☒ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	lbs.	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 11-17-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/17/08

Name (Print or Type) — Signature — Date Received

445521

Form SW02 (2003)

WEIGHT TICKET Tan 1022 #010

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:29:16 17 Nov 2008 76960 lb	
EMPTY WT-STENCIL	TARE 13:24:20 17 Nov 2008 30820 lb	
LOAD LIMIT	NET	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,460 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy TeRRell — [signature] — 11 18 08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 11/18/08

Name (Print or Type) — Signature — Date Received

445659

Form SW02 (2003)

Truck 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	08:14:12 18 Nov 2008 78320 lb
EMPTY WT-STENCIL	TARE	06:55:21 18 Nov 2008 32860 lb
LOAD LIMIT	NET	45460
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,760 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/18/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-18-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 11/18/08

Date Received

Form SW02 (2003)

445644

STA 10242

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Blue

TRUCK/TRACTOR NO. 1024-2	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS 08:15:13 18 Nov 2008 76840 lb	
EMPTY WT-STENCIL	TARE 07:13:59 18 Nov 2008 31080 lb	
LOAD LIMIT	NET 45,760	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,620 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/17/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 11-18-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature # 445678 — Date Received 11/18/08

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	08:31:15 18 Nov 2008 78620 lb
EMPTY WT-STENCIL	TARE	07:18:30 18 Nov 2008 31000 lb
LOAD LIMIT	NET	47,620
☑ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	49,200 lbs	10-28-09	DT
	From B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/18/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-18-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/18/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET 1024-2 #014

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	49,200
LOAD LIMIT	NET	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane

Address: 300 Highway 361

City: Crane County: Martin

State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.

Address: 1480 Ford St.

City: Maumee County: Lucas

State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,480 lbs	10-28-09	DT
	From B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/18/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk

Transporter Address: 793-1 Juniper Rd.

Valparaiso, IN

DOT#

Truck Number: 1022

Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 11-18-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill

Phone No. 812-298-2160

Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS 14:15:01 18 Nov 2008 76260 lb	
EMPTY WT-STENCIL	TARE 13:33:44 18 Nov 2008 30780 lb	
LOAD LIMIT	NET 45,480	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,780 lbs	10-28-09	DT
	from B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/18/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — [signature] — 11/18/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 11/18/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

11/18/08

WEIGHT TICKET #016

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	14:[illegible]03 19 Nov 2009 [illegible]
EMPTY WT-STENCIL	TARE	13:37:13 19 Nov 2009 [illegible]
LOAD LIMIT	NET	45,780
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,280 lbs	10-28-09	DT
	From B169 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/19/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-19-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — Date Received 11/19/08

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest #017

TRUCK/TRACTOR NO. 1024-2	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	08:40:34 19 Nov 2008 79560 lb
EMPTY WT-STENCIL	TARE	07:28:15 19 Nov 2008 31280 lb
LOAD LIMIT	NET	48,280
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,940 lbs	10-28-09	DT

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/19/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dave Bisping — Dave Bisping — 11-19-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/19/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

46101

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) #018

TRUCK/TRACTOR NO. 1024-2	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:07:40 19 Nov 2008 80040 lb
EMPTY WT-STENCIL	TARE	12:34:08 19 Nov 2008 31100 lb
LOAD LIMIT	NET	48,940
☒ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,440 lbs	10-28-09	DT
	from B167 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Breur — Thomas J. Breur — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hartman — Dick Hartman — 12-1-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

447947

STA 10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:02:04 01 Dec 2008 78540 lb
EMPTY WT-STENCIL	TARE	07:04:31 01 Dec 2008 31500 lb
LOAD LIMIT	NET	46440
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,640 P	10-28-09	DT
	Area B-171			
	per MPI's			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: ~~1009~~ 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-1-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

NHP8 050

USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:38:33 01 Dec 2008 79460 lb
EMPTY WT-STENCIL	TARE	07:44:02 01 Dec 2008 30820 lb
LOAD LIMIT	NET	48,640
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

022

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,380 P	10-28-09	DT
	Building 171			
	Pen M Bris			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Tellell — [signature] — 12/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

447964

GOKO 529

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 529 Kenworth

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:42:34 01 Dec 2009 76130 lb
EMPTY WT-STENCIL	TARE	31820
LOAD LIMIT	NET	44,380
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	4340 P	10-28-09	DT
	Bvenlby 171			
	per M BDiS			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

John I Roof Jr — [signature] — 12/1/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

447967

GOK0506

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10506	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:54:06 01 Dec 2008 76263 lb	
EMPTY WT-STENCIL	TARE 07:42:15 01 Dec 2008 33123 lb	
LOAD LIMIT	NET 43,140	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,900 lbs	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hartman — Dick Hartman — 12-1-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

NL48080

STA 10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:56:24 01 Dec 2006 79600
EMPTY WT-STENCIL	TARE	12:59:14 01 Dec 2006 31700
LOAD LIMIT	NET	47,900
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	~~46,500 P~~	10-28-09	DT
	from B-171 area	48080 P		

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/01/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 506529/1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — [signature] — 12/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/1/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448085

BOTO 529

WEIGHT TICKET Kenworth

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-~~506~~ 529	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☐ OFF
TRAILER NO. 1009	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	[redacted]
EMPTY WT-STENCIL	TARE	17:35:24 01 Dec 2006 31460 lb
LOAD LIMIT	NET	~~46,560~~ 48080
☐ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,760 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/1/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: ~~[illegible]~~ 506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tom Foster — [signature] — 12/1/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12-1-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

148083

GOTO 506

WEIGHT TICKET 529 Kenworth

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. ~~10-529~~ 10-09	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 506	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:02:03-01 Dec 1998 79740
EMPTY WT-STENCIL	TARE	13:37:38 01 Dec 1998 ~~[illegible]~~ 32980
LOAD LIMIT	NET	46,760
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,020 P	10-28-09	DT
	from B171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Thomas J. Brent — Signature
12/2/08 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

John Toof — Name of Authorized Agent
Signature
12-2-08 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
12/2/08 — Date Received

Form SW02 (2003)

448189

GO40506

WEIGHT TICKET Tan

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10506	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☑ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	08:37:54 02 Dec 2008 79820 lb
EMPTY WT-STENCIL	TARE	08:21:59 02 Dec 2008 33800 lb
LOAD LIMIT	NET	46,020
☐ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42,500 P	10-28-09	DT
	from B171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1024-4
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hentman — Dick Hentman — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#448193

STA 1024 4

WEIGHT TICKET white
9ND-NWSCC 4010/2 (Rev. 6-79)

TB/test

TRUCK/TRACTOR NO. 1024-4	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	08:41:51 02 Dec 2008 79920 lb
EMPTY WT-STENCIL	TARE	07:47:43 02 Dec 2008 31520 lb
LOAD LIMIT	NET	47,500
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,700 P	10-28-09	DT
	From B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Brian Stalker — Brian Stalker — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448195

STA 10241

WEIGHT TICKET BK

9ND-NWSCC 4010/2 (Rev. 6-79)

To test

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:42:45 02 Dec 2008 78640 lb
EMPTY WT-STENCIL	TARE	07:48:54 02 Dec 2008 31940 lb
LOAD LIMIT	NET	46,700
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	49,120 P	10-28-09	DT
	from B771 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/02/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448208

VB 1022

WEIGHT TICKET DK Blu

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:15:41 02 Dec 2008 80450 lb
EMPTY WT-STENCIL	TARE	08:19:55 02 Dec 2008 31260 lb
LOAD LIMIT	NET	49,120
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

031

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,900 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/02/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — [signature] — 12/2/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448209

HODGE 1084

WEIGHT TICKET DK Brown

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1084 A	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	
LOAD LIMIT	NET	45,900
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,740 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/02/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Brian Stalker — Brian Stalker — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HH8303

STA 10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To test

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:47:17 02 Dec 2008 77320 lb
EMPTY WT-STENCIL	TARE	12:01:01 02 Dec 2008 31580 lb
LOAD LIMIT	NET	45,740
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,160 P	10-28-09	DT
	From B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brewer — Thomas J. Brewer — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

John T Mot — [signature] — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448298

ROMD506

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To HEST

TRUCK/TRACTOR NO. 1024-4	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	[illegible] 02 Dec 2008 79560 lb
EMPTY WT-STENCIL	TARE	[illegible]47 02 [illegible] 2008 31400 lb
LOAD LIMIT	NET	48,160
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,740 P	10-28-09	DT
	From B-471 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1024-4 ~~1056~~
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hartman — Dick Hartman — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448305 STA 1024 4

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 10- 506	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	12:55:57 02 Dec 2008 79220 lb
EMPTY WT-STENCIL	TARE	11:47:13 02 Dec 2008 33480 lb
LOAD LIMIT	NET	45,740
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,000 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-2-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448334 USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TO Hest

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	13:09:27 02 Dec 2008 75960 lb
EMPTY WT-STENCIL	TARE	12:40:46 02 Dec 2008 30960 lb
LOAD LIMIT	NET	45,000
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,700 P	10-28-09	DT
	From B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/2/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — C. Hodge — 12/2/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/2/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WU8335

HODGE 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:16:53 02 Dec 2005 79480 lb
EMPTY WT-STENCIL	TARE	12:41:51 02 Dec 2005 32780 lb
LOAD LIMIT	NET	46,700
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,520 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Brian Stalker — Brian Stalker — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448439

STA 10241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:47:19 03 Dec 2008 78820 lb
EMPTY WT-STENCIL	TARE	07:00:45 03 Dec 2008 32300 lb
LOAD LIMIT	NET	46,520
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,880 P	10-28-09	DT
	from B-17 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1024-4
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Dick Hartman — Dick Hartman — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 12-3-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448440

JTA10244

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1024-4	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:45:17 03 Dec 2008 79640 lb
EMPTY WT-STENCIL	TARE	06:59:46 03 Dec 2008 31760 lb
LOAD LIMIT	NET	47,880
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

039

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,600 P	10-28-09	DT
	From B 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[illegible] — [illegible] — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[illegible] — [illegible] — 12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448459

Co. No. 506

WEIGHT TICKET Tan

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 16506	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:31:31 03 Dec 2008 78900 lb
EMPTY WT-STENCIL 4	TARE	07:54:09 03 Dec 2008 33300 lb
LOAD LIMIT	NET	45,600
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,380 p	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009/529
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — RG — 12308

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#448456

Contro 529

WEIGHT TICKET white 529

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	**SCC** ☐ ☐ ☐	**PASSENGER** ☑ ON ☐ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	08:50:09 03 Dec 2008 78640 lb
EMPTY WT-STENCIL	TARE	07:57:49 03 Dec 2008 32260 lb
LOAD LIMIT	NET	46,380
☐ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,280	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
*Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[illegible] — CLINT HODGE — 12/3/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[illegible] — [illegible] — 12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#448480

HODGE 1084

WEIGHT TICKET Brown

9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:57:48 03 Dec 2008 78283 lb	
EMPTY WT-STENCIL	TARE 08:08:54 03 Dec 2008 33980 lb	
LOAD LIMIT	NET 44,280	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane

Address: 300 Highway 361

City: Crane County: Martin

State: IN Zip: 47522

Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.

Address: 1480 Ford St.

City: Maumee County: Lucas

State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,520	10-28-09	DT
	from B-171- area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk

Transporter Address: 793-1 Juniper Rd.

Valparaiso, IN

DOT#

Truck Number: 1022

Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill

Phone No. 812-298-2160

Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448470

1513 1022

WEIGHT TICKET DK Bin

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:01:44 03 Dec 2008 78660 lb
EMPTY WT-STENCIL	TARE	07:56:51 03 Dec 2008 31140 lb
LOAD LIMIT	NET	47520
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,780	10-28-09	DT
	from B.-171- area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1047
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Jeff Wershaupt — Jeff Wershaupt — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448588 ID 1047

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TO/TBST

TRUCK/TRACTOR NO. 1047	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:09:20 03 Dec 2008 80460 lb
EMPTY WT-STENCIL	TARE	12:24:22 03 Dec 2008 32680 lb
LOAD LIMIT	NET	47,780
☒ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

044

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,600	10-28-09	DT
	from B.-17 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009 - 529
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — [signature] — 12308

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448597 R0K0529

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. white 1009 529	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:29:43 03 Dec 2008 79420 lb
EMPTY WT-STENCIL	TARE	13:02:29 03 Dec 2008 31820 lb
LOAD LIMIT	NET	47,600
☐ COUPLED		
☑ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,460	10-28-09	DT
	from B: 171 - area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
*Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Name of Authorized Agent — Signature — 12-3-08

Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/3/08

Date Received

Form SW02 (2003)

Cotto 506

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10506	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:52:02 03 Dec 2008 79820 lb
EMPTY WT-STENCIL	TARE	13:05:06 03 Dec 2008 33360 lb
LOAD LIMIT	NET	46,460
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,100	10-28-09	DT
	from B.171 - area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
*Truck Number: 10505
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Mike Minks — [signature] — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

N4486 16 — Gold 10505

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10505 375 Blue	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:07:44 03 Dec 2008 75030 lb
EMPTY WT-STENCIL	TARE	13:40:13 03 Dec 2008 30900 lb
LOAD LIMIT	NET	44,100
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,240	10-28-09	DT
	from B. 171- area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
✗ Truck Number: 510
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Brandon K Combs — Brandon K Combs — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/3/08

Date Received

Form SW02 (2003)

WLP8617 Bolts 570

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 510	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:19:36 03 Dec 2008 76640 lb	
EMPTY WT-STENCIL	TARE 13:41:46 03 Dec 2008 31400 lb	
LOAD LIMIT	NET 45,240	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,880	10-28-09	DT
	from B. 171- area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
* Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* CLINT HODGE — Clint Hodge — 12/3/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/3/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

4486624 HODGE 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:40:50 02 Dec 2008 79680 lb	
EMPTY WT-STENCIL	TARE 13:59:26 02 Dec 2008 33780 lb	
LOAD LIMIT	NET 45,880	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,720	10-28-09	DT
	from B. - 171 - area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/3/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
* Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Kevin Powers — Kevin Powers — 12-3-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/3/08

Date Received

Form SW02 (2003)

N48625

1513022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:54:47 03 Dec 2008 79680 lb	
EMPTY WT-STENCIL	TARE 14:04:40 03 Dec 2008 30960 lb	
LOAD LIMIT	NET 48,720	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-1

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN517[illegible]
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206031WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,782	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936791
PCB OUT OF SERVICE DATE: 12/3/08

wt: 22009kg (48420lb) 1230342]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 12 Day 03 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Brian Stalker
Signature: Brian Stalker
Month 12 Day 3 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 12 Day 03 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942.
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 03-Dec-08

HES Transaction Number:

Manifest: 000206031WAS

Net Kg: 22009

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TOL TEST 206031WAS

~~TRUCK~~/TRACTOR NO. 1024-1	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12140107 03 Dec 2008 79860 lb
EMPTY WT-STENCIL	TARE	10154127 03 Dec 2008 31940 lb
LOAD LIMIT	NET	47,920
☐ COUPLED		21,782 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1024-04

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206032WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	29,900	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936792
PCB OUT OF SERVICE DATE: 12/3/08

wt. 21245 lbs
(46740 lb)
[1230343]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 12 Day 03 Year 08

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dick Hartman
Signature: Dick Hartman
Month 12 Day 3 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month 12 Day 03 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 03-Dec-08

HES Transaction Number:

Manifest: 000206032WAS

Net Kg: 21245

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To/TOST

0206032WAS

TRUCK/TRACTOR NO. 1024-04	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:59:06 03 Dec 2003 77821 lb
EMPTY WT-STENCIL	TARE	12:23:35 03 Dec 2003 31800 lb
LOAD LIMIT	NET	45,980
☐ COUPLED		20,900
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,660 p	10-28-09	DT
	from B. 171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/4/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Tetrell — [signature] — 12 4 08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 12/4/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448746

Bo40 529

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:00:06 04 Dec 2008 79600 lb	
EMPTY WT-STENCIL	TARE 08:05:58 04 Dec 2008 32940 lb	
LOAD LIMIT	NET 46,660	
☒ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,740 p	10-28-09	DT
	from B. - 171 - area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/4/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
*Truck Number: 10506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* John Bott — 12-4-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/4/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

448747

Coto 506

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10506	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	09:02:59 04 Dec 2003 79740 lb
LOAD LIMIT	NET	08:06:52 04 Dec 2003 34000 lb
		44,740
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
TEM NO.		
ARTIAL DEL. NO.		
ONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,380 p	10-28-09	DT
	from B.-171-area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 12/4/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-4-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/4/08

Date Received

Form SW02 (2003)

448743

USB1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:12:14 04 Dec 2008 78420
EMPTY WT-STENCIL	TARE	08:08:40 04 Dec 2008 31040
LOAD LIMIT	NET	47,380
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

+022

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206033WAS

5. Generator's Name and Mailing Address:
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-0160
Generator's Phone:

Generator's Site Address (if different than mailing address):
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	22109	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936793
PCB OUT OF SERVICE DATE: 12-22-08

est 22109 kg (48640 lb)
[1230344]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dennis A. Lankford
Signature:
Month 12 Day 22 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Kevin Powers
Signature: Kevin Powers
Month 12 Day 22 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 12 Day 22 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:27:40 22 Dec 2016 80520 lb	
EMPTY WT-STENCIL	TARE 12:34:15 22 Dec 2016 31880 lb	
LOAD LIMIT	NET 48,640 22109 KG	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1074

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)320-1221
4. Manifest Tracking Number: 000206034WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,009	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI_Q488612_T#1936794
PCB OUT OF SERVICE Date: 12/22/08
wt: 21009kg
(4622016)
[12303451]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dennis A. Lankford
Signature:
Month 12 Day 22 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Jennings
Signature:
Month 12 Day 22 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 12 Day 22 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14100:11 22 Dec 2008 79400 lb
EMPTY WT-STENCIL	TARE	13100:07 22 Dec 2008 32180 lb
LOAD LIMIT	NET	46220
☐ COUPLED		21009 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,480	10-28-09	DT
	from Bldg. 169 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12/23/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Ben Rogers — 12-23-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/23/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

457829 USB 1052

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1052	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:54:00 23 Dec 2008 75760 lb	
EMPTY WT-STENCIL	TARE 08:11:59 23 Dec 2008 30100 lb	
LOAD LIMIT	NET 46480	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,040 P	10-28-09	DT
	from Bldg. 169 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Generator/Authorized Agent Name
Signature
12/23/08 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — Name of Authorized Agent
Signature
12-23-08 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
12/23/08 — Date Received

Form SW02 (2003)

455831

US3 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:04:43 23 Dec 2008 79240 lb
EMPTY WT-STENCIL	TARE	08:11:17 23 Dec 2008 33200 lb
LOAD LIMIT	NET	46 040
☐ COUPLED		
☐ UNCOUPLED		23.02 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

056

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,380 P	10-28-09	DT
	from Bldg 169 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12/23/08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Craig Hodge — 12-23-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/23/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

VSB 1056

WEIGHT TICKET Yellow strip Peterbuilt

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-56	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	09:27:22 23 Dec 2008 78980 lb
LOAD LIMIT	NET	08:30:47 23 Dec 2008 33580 lb
☐ COUPLED		45,380
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	22.69 tn.
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,180 P	10-28-09	DT
	from Bldg 169 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Generator/Authorized Agent Name
Signature
12/23/08 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Name of Authorized Agent
Kevin Powers — Signature
12-23-08 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
12/23/08 — Date Received

Form SW02 (2003)

457835

US13/022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:30:43 23 Dec 2008 77320 lb
EMPTY WT-STENCIL	TARE	~~09:30:43 23 Dec 2008 77300 lb~~ 08:30:43 23 Dec 2008 31140 lb
LOAD LIMIT	NET	46,180
☐ COUPLED		
☐ UNCOUPLED		23.09 ton.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,700 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10 74
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Tim Jenness — 12-29-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/29/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

M 1342 USB1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-74	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:26:48 29 Dec 2008 77640 lb
EMPTY WT-STENCIL	TARE	07:44:20 29 Dec 2008 32940 lb
LOAD LIMIT	NET	44 700
☐ COUPLED		
☐ UNCOUPLED		22.35 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42,740 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10 84
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — 12/29/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/29/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

M 1335

452462

Hom 1884

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-84	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:40:00 29 Dec 2008 75160 lb
EMPTY WT-STENCIL	TARE	07:45:31 29 Dec 2008 33420 lb
LOAD LIMIT	NET	42,740
☐ COUPLED		
☐ UNCOUPLED		21.37 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

48400

060

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane

Address: 300 Highway 361

City: Crane County: Martin

State: IN Zip: 47522

Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.

Address: 1480 Ford St.

City: Maumee County: Lucas

State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,400	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Signature — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk

Transporter Address: 793-1 Juniper Rd.

Valparaiso, IN

DOT#

Truck Number: 10 22

Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Signature — 12-29-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill

Phone No. 812-298-2160

Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Henning — Signature — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:01:21 29 Dec 2008 80040 lb	
EMPTY WT-STENCIL	TARE 07:31:22 29 Dec 2008 31640 lb	
LOAD LIMIT	NET 48400	
☐ COUPLED		
☐ UNCOUPLED	24.2 Tons	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,620 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10 09
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Tellell — 122908

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/29/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

M1345

GOKO 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-09	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:04:36 29 Dec 2008 78540 lb
EMPTY WT-STENCIL	TARE	08:03:49 29 Dec 2008 32920 lb
LOAD LIMIT	NET	45,620
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	22.81
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

1012

062

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,140 P	10-28-09	DT
	from Bldg. 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number:
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — 12-29-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

452451

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-12	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:15:48 29 Dec 2008 77960 lb
EMPTY WT-STENCIL	TARE	08:04:58 29 Dec 2008 31820 lb
LOAD LIMIT	NET	46,140
☐ COUPLED		
☐ UNCOUPLED		23.07 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

063

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,380	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Signature — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — Signature — 12/29/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — Signature — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

452589

Hodge 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-84	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:33:10 29 Dec 2008 79660 lb
EMPTY WT-STENCIL	TARE	12:34:52 29 Dec 2008 33280 lb
LOAD LIMIT	NET	46,380
☐ COUPLED		
☐ UNCOUPLED		23.19 TN
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

23.18 tn.

064

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,360 p	10-28-09	DT
	from Bldg. 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

*

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Tim Jenness — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003) Bryan Herning 452587

1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-74	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:47:18 29 Dec 2006 79200 lb	
EMPTY WT-STENCIL	TARE 12:35:36 29 Dec 2006 32840 lb	
LOAD LIMIT	NET 46,360	
☐ COUPLED		
☐ UNCOUPLED	23.18	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

065

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,280 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Signature — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-22
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-29-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — Signature — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

452590
1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:13:18 29 Dec 2008 79860 lb
EMPTY WT-STENCIL	TARE	13:04:34 29 Dec 2008 31580 lb
LOAD LIMIT	NET	48,280
☐ COUPLED		
☐ UNCOUPLED		24.14 tons
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

#1012

066

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,540 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-12
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — 12-29-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — 12-29-08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

452595

KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-12	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 14:24:38 29 Dec 2008 78340 lb	
EMPTY WT-STENCIL	TARE 13:05:37 29 Dec 2008 31800 lb	
LOAD LIMIT	NET 46,540	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR 23.27	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

067

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,840	10-28-09	DT
	from Bldg. 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Generator/Authorized Agent Name
Signature
12-29-08 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1075-1
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x CHARLES GATEWOOD — Name of Authorized Agent
Signature
12/29/08 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
12/30/08 — Date Received

Form SW02 (2003)

1376 Manual

452679

VB 1075

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1075-1	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:22:38 29 Dec 2008 78820 lb
EMPTY WT-STENCIL	TARE	14:10:11 29 Dec 2008 32980 lb
LOAD LIMIT	NET	45,840
☐ COUPLED		
☐ UNCOUPLED		22.92 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

068

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,060	10-28-09	DT
	from Bldg. 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Signature — 12-29-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1075-2
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Rick Reed — Signature — 12/29/08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/30/08 Date Received

Form SW02 (2003)

452682

USB 1075-2

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1075-2	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:19:35 29 Dec 2008 77620 lb
EMPTY WT-STENCIL	TARE	14:11:45 29 Dec 2008 31560 lb
LOAD LIMIT	NET	46,060
☐ COUPLED		
☐ UNCOUPLED		23.03
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

069

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,500 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-09
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — 123008

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/30/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

452724

BOND 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☒ OFF
TRAILER NO.	IDENTIFICATION DIRT	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:37:05 30 Dec 2008 80360 lb	
EMPTY WT-STENCIL	TARE 07:36:47 30 Dec 2008 32860 lb	
LOAD LIMIT	NET 47,500	
☐ COUPLED		
☐ UNCOUPLED	23.75 tons	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

070

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,180 P	10-28-09	DT
	from Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 10-22
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 12-30-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/30/08 Date Received

Form SW02 (2003)

452705

USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Blue Ken.

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION DIRT	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08151106 30 Dec 2008 79900 lb
EMPTY WT-STENCIL	TARE	07135103 30 Dec 2008 31720 lb
LOAD LIMIT	NET	48,180
☐ COUPLED		
☐ UNCOUPLED		24.09 tons
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

071

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,100 P	10-28-09	DT
	From Bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-74
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jeyness — 12-30-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/30/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#452718

USB 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-74	SCC ☐ ☐ ☐	PASSENGER ☒ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:05:03 30 Dec 2008 76490 lb
EMPTY WT-STENCIL	TARE	07:49:15 30 Dec 2008 32500 lb
LOAD LIMIT	NET	44,100
☐ COUPLED		
☐ UNCOUPLED		22.05 hr.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,940 P	10-28-09	DT
	From bldg ~~177~~ 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lakford — Signature — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-12
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Signature — 12-30-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/30/08

Date Received

Form SW02 (2003)

#452721

KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-12	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION Dirt	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:07:35 30 Dec 2008 79780 lb
EMPTY WT-STENCIL	TARE	07:48:06 30 Dec 2008 31840 lb
LOAD LIMIT	NET	46,940
☐ COUPLED		
☐ UNCOUPLED		23.47 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44820 P	10-28-09	DT
	From bldg 171 Area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — Signature — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-09
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x — Roy Terrell — 12 30 08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 12/30/08 Date Received

Form SW02 (2003)

452822 GOKO 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-09	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:02:25 30 Dec 2008 77540 lb
EMPTY WT-STENCIL	TARE	12:34:38 30 Dec 2008 32720 lb
LOAD LIMIT	NET	44,820
☐ COUPLED		
☐ UNCOUPLED		22.41 TN
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,640 P	10-28-09	DT
	from Area 171			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-22
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Kevin Powers — Kevin Powers — 12·30·08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/30/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HB2821 15B1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 10-22	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 12:19:31 30 Dec 2008 77160 lb	
EMPTY WT-STENCIL	TARE 12:35:33 30 Dec 2008 31540 lb	
LOAD LIMIT	NET 45,640	
☐ COUPLED		
☐ UNCOUPLED	22.82 tn.	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

075

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,100 P	10-28-09	DT
	from Bldg 171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lockford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-74
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Tim Jenness — 12-30-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/30/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HS 2841 VS13 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:52:30 30 Dec 2008 80440 lb	
EMPTY WT-STENCIL	TARE 13:20:42 30 Dec 2008 32340 lb	
LOAD LIMIT	NET 48,100	
☐ COUPLED		
☐ UNCOUPLED	24.05 ton	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

#1012

076

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,340 P	10-28-09	DT
	from Bldg 171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Dennis A. Lankford — 12-30-08

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-12
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — 12-30-08

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

12/30/08

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

105283 KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:04:04 30 Dec 2008 77340 Lb
EMPTY WT-STENCIL	TARE	13:21:24 30 Dec 2008 32000 Lb
LOAD LIMIT	NET	45,340
☐ COUPLED		
☐ UNCOUPLED		22.67
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 1009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206035WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21064	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI Q488612 T#1936795
PCB OUT OF SERVICE DATE: 1/6/09

wt 21000 kg (46200 lb) [1230346]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 06 Year 09

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Tetrell
Signature:
Month 01 Day 06 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 01 Day 06 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 06-Jan-09

HES Transaction Number:

Manifest: 000206035WAS

Net Kg: 21000

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Toltest

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:35:41 06 Jan 2009 78640 lb	
EMPTY WT-STENCIL	TARE 07:57:07 06 Jan 2009 32300 lb	
LOAD LIMIT	NET 46,340	
☐ COUPLED	21064 kg	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck #506

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206036WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19455	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WI_Q488612_T#1936796
PCB OUT OF SERVICE DATE: 1/06/09

Wt: (9373 kg
(42620 lb)
[1230347]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 06 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible]
Signature: [illegible]
Month 01 Day 06 Year 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature: [illegible]
Month 01 Day 06 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 06-Jan-09

HES Transaction Number:

Manifest: 000206036WAS

Net Kg: 19373

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To / test

TRUCK/TRACTOR NO. 10506	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:42:36 06 Jan 2009 78580 lb
EMPTY WT-STENCIL	TARE	07:53:32 06 Jan 2009 35780 lb
LOAD LIMIT	NET	42,800
☐ COUPLED		19,455 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck# 1009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206037WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21873	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936797
PCB OUT OF SERVICE DATE: 1/6/09

wt. 21745kg (47840lb)

[1230348]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 06 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Terrell
Signature:
Month 01 Day 06 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: D. OBRIA
Signature:
Month 01 Day 06 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 06-Jan-09

HES Transaction Number:

Manifest: 000206037WAS

Net Kg: 21745

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DFRT

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:04:51 06 Jan 2009 80260 lb
EMPTY WT-STENCIL	TARE	13:34:44 06 Jan 2009 32140 lb
LOAD LIMIT	NET	48,120
☐ COUPLED		
☐ UNCOUPLED		21,873 Kg ~~21,07 Kg~~
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 506

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206038WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19,910	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936798
PCB OUT OF SERVICE DATE: 1/6/09

wt 19864 KG
(4370016)
[1230349]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 06 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John Foot Jr
Signature:
Month 01 Day 06 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 01 Day 06 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW; INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 06-Jan-09

HES Transaction Number:

Manifest: 000206038WAS

Net Kg: 19864

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☒ ON ☐ OFF
TRAILER NO. 10 506	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:13:56 06 Jan 2009 79260 lb
EMPTY WT-STENCIL	TARE	13:35:50 06 Jan 2009 35460 lb
LOAD LIMIT	NET	43,800
☒ COUPLED		19,910 kg
☐ UNCOUPLED		~~19.9 KG~~
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck #506

077

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42720 P	10-28-09	DT
	from B171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/7/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10 506
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

[illegible] — [illegible] — 1-7-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[illegible] — [illegible] — 1/7/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

454126

P90K0506

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 504A

TRUCK/TRACTOR NO. 10506	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION DIRT	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	14:09:03 07 Jan 2009 78220 lb
LOAD LIMIT	NET	13:32:05 07 Jan 2009 35500 lb 42,720
☑ COUPLED		
☐ UNCOUPLED		21.36 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

078

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,000 P	10-28-09	DT
	from B171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Thomas J. Brent — Signature
~~10/~~ 01/07/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-09
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Tetrell — Name of Authorized Agent
Signature
1 7 09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
1/7/09 — Date Received

Form SW02 (2003)

MSH 127

RDKO 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:20:49 07 Jan 2009 79640 lb
EMPTY WT-STENCIL	TARE	13:37:43 07 Jan 2009 32640 lb
LOAD LIMIT	NET	47,000
☐ COUPLED		
☐ UNCOUPLED		23.5 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,360 P	10-28-09	DT
	From B171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brew — Thomas J. Brew — 1/7/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 1-7-09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 1/7/09
Date Received

Form SW02 (2003)

HS4134 USB 028

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:40:11 07 Jan 2009 76360 lb
EMPTY WT-STENCIL	TARE	14:10:25 07 Jan 2009 31000 lb
LOAD LIMIT	NET	45,360
☐ COUPLED		
☐ UNCOUPLED		22.68
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 506

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206039WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20436	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936799
PCB OUT OF SERVICE DATE: 1/7/09

wt: 20345kg (44766lb)

[1230350]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 07 Year 09

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: John J. Rose III
Signature:
Month 01 Day 07 Year 09
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAVID BARGA
Signature:
Month 01 Day 07 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206039WAS

Net Kg: 20345

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10 506	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:43:15 07 Jan 2009 80800 lb
EMPTY WT-STENCIL	TARE	08:04:43 07 Jan 2009 35840 lb
LOAD LIMIT	NET	44,960
☐ COUPLED		
☐ UNCOUPLED		20,436 Kg
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 1009

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206040WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,300	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936800
PCB OUT OF SERVICE DATE: 1/7/09

wt. 21555kg (47420lb)

[1230351]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 07 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Roy Terrell
Signature:
Month 01 Day 07 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 01 Day 07 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206040WAS

Net Kg: 21555

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET DIRT Green
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:53:42 07 Jan 2009 79860 lb	
EMPTY WT-STENCIL	TARE 08:09:01 07 Jan 2009 33000 lb	
LOAD LIMIT	NET 46,860	
☐ COUPLED	≈ 21,300 kg	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck - 1074

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206041WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21,345	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936801
PCB OUT OF SERVICE DATE: 1/7/09
wt: 21427 kg (47140 lb) [1230352]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 07 Year 09

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Jenness
Signature:
Month 09 Day 07 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 01 Day 07 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206041WAS

Net Kg: 21427

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-74	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:20:16 07 Jan 2009 80160 lb
EMPTY WT-STENCIL	TARE	08:13:03 07 Jan 2009 33200 lb
LOAD LIMIT	NET	46,960
☐ COUPLED		
☐ UNCOUPLED		21,345
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 1056

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206042WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704

U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20764	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936802
PCB OUT OF SERVICE DATE: 1/7/09

Net: 20809 kg
(45780 lb)

[1230353]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month Day Year: 01 07 09

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Craig Hodge
Signature:
Month Day Year: 1 7 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month Day Year: 01 07 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206042WAS

Net Kg: 20809

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET Yellow STRIP

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☐ OFF
TRAILER NO. 1056	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	09:47:15 07 Jan 2009 79220 lb
EMPTY WT-STENCIL	TARE	09:47:15 07 Jan 2009 79220 lb 08:14:22 07 Jan 2009 33540 lb
LOAD LIMIT	NET	45,680
☐ **COUPLED**		20,764 Kg
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

Truck # 1084

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206043WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19,409 ~~42,709~~ 3	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1 Q488612 T#1936803
PCB OUT OF SERVICE DATE: 1/7/09
wt: 19327kg (42526lb)
[1230354]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 01 Day 07 Year 09

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: CLINT HODGE
Signature:
Month 1 Day 7 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 01 Day 07 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942.
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206043WAS

Net Kg: 19327

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET Brown

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1084	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:56:18 07 Jan 2009 77120 lb
EMPTY WT-STENCIL	TARE	08:15:43 07 Jan 2009 34420 lb
LOAD LIMIT	NET	42,700
☐ COUPLED		
☐ UNCOUPLED		19,409 Kg
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Truck # 1022

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000206044WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20990	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1_Q488612_T#1936804
PCB OUT OF SERVICE DATE: 1/7/09
wt: 21073kg
(463 lb)
[1230355]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month Day Year: 01 07 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Kevin Powers
Signature: Kevin Powers
Month Day Year: 01 07 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month Day Year: 01 07 09

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942.
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 07-Jan-09

HES Transaction Number:

Manifest: 000206044WAS

Net Kg: 21073

KENNETH S. PRICE, CHAIRMAN

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 10-22	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08122148 07 Jan 2009 77360 lb
EMPTY WT-STENCIL	TARE	08102140 07 Jan 2009 31380 lb
LOAD LIMIT	NET	46,180
☐ COUPLED		
☐ UNCOUPLED		20,990 Kg
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	41,080	10-28-09	DT
	from 171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Wendell Keller — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

454925 KH 1012

WEIGHT TICKET DIRT - PURPLE

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO. 10-12	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:34:25 13 Jan 2009 73780 lb
EMPTY WT-STENCIL	TARE	07:37:19 13 Jan 2009 32700 lb
LOAD LIMIT	NET	41,080
☐ COUPLED		
☐ UNCOUPLED		20.54 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,140	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-09
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — RT — 1/13/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

454922

GO/TO/009

WEIGHT TICKET DIRT - GREEN

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:23:49 13 Jan 2009 77340 lb	
EMPTY WT-STENCIL	TARE 07:36:12 13 Jan 2009 32200 lb	
LOAD LIMIT	NET 45,140	
☐ COUPLED		
☐ UNCOUPLED	22.57 tn	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

083

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,920	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — [signature] — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

454928

VSB 1074

WEIGHT TICKET DIRT – Y~~ellow Stripe~~

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1074	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:44:52 13 Jan 2009 77920 lb
EMPTY WT-STENCIL	TARE	07:39:03 13 Jan 2009 33000 lb
LOAD LIMIT	NET	44,920
☑ COUPLED		
☐ UNCOUPLED		22.46
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,860 lb.	10-28-09	DT
	From B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brenn — Generator/Authorized Agent Name
Signature
1/13/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Craig Hodge — Name of Authorized Agent
Signature
1-13-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Craig Hodge — Name (Print or Type)
Signature
1/13/09 — Date Received

Form SW02 (2003)

454930

US B 1056

WEIGHT TICKET DIRT — Yellow STRIP

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-54	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:54:34 13 Jan 2009 76880 lb
EMPTY WT-STENCIL	TARE	07:42:27 13 Jan 2009 33020 lb
LOAD LIMIT	NET	43,860
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

085

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,940 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Kevin Powers — Kevin Powers — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#454931

US B 1022

WEIGHT TICKET DIRT — Blue

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-22	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	09:07:08 13 Jan 2009 76200 lb
LOAD LIMIT	NET	07:46:06 13 Jan 2009 31260 lb
		46,940
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	23.47
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

086

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	40 300 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — [signature] — 1/13/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

484973

Y/01) GE 1084

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-84A	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:14:45 13 Jan 2009 74780 lb
EMPTY WT-STENCIL	TARE	07:48:10 13 Jan 2009 34480 lb
LOAD LIMIT	NET	40,300
☑ COUPLED		
☐ UNCOUPLED		20.15
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

087

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,780 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas S. Brent — Thomas S. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Roy Terrell — Roy — 1/13/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

45507 Co KD 1009

WEIGHT TICKET DIRT – Green

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:26:36 13 Jan 2009 78940 lb
EMPTY WT-STENCIL	TARE	11:51:37 13 Jan 2009 32160 lb
LOAD LIMIT	NET	46,780
☐ COUPLED		
☐ UNCOUPLED		23.39 h
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

088

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,820 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Tim Jenness — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455 023

US B 1074

WEIGHT TICKET DIRT - BLACK

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-74	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO. Ø	GROSS	12:52:18 13 Jan 2009 78540 lb
EMPTY WT-STENCIL	TARE	12:09:52 13 Jan 2009 32720 lb
LOAD LIMIT	NET	45,820
☑ COUPLED		
☐ UNCOUPLED		22.91 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,780 #	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Craig Hodge — [signature] — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

USS027 USB1056

WEIGHT TICKET Dirt Yellow Strip

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1056	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☑ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	13:02:38 13 Jan 2009 79100 lb
EMPTY WT-STENCIL	TARE	12:10:30 13 Jan 2009 33320 lb
LOAD LIMIT	NET	45,780
☐ **COUPLED**		
☐ **UNCOUPLED**		22.89
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,100 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Keller — Wendell Keller — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HS5037 KH 1012

WEIGHT TICKET DIRT-PURPLE

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☑ OFF
TRAILER NO. 10-12	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	13:16:15 13 Jan 2009 79540 lb
EMPTY WT-STENCIL	TARE	12:08:35 13 Jan 2009 32440 lb
LOAD LIMIT	NET	47,100
☑ **COUPLED**		
☐ **UNCOUPLED**		23.55 tn.
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,260 P	10-28-09	DT
	From B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X CLINT HODGE — [signature] — 1/13/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 3621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — 1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

NSSDS 6

HODGE 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Brown

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:30:15 13 Jan 2009 78460 lb
EMPTY WT-STENCIL	TARE	12:55:10 13 Jan 2009 34200 lb
LOAD LIMIT	NET	44,260
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	22.13 tn.
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,520 #	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/13/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-13-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/13/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455038

1/5B1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:39:30 13 Jan 2009 79700 lb
EMPTY WT-STENCIL	TARE	12:19:33 13 Jan 2009 31180 lb
LOAD LIMIT	NET	48,520
☐ COUPLED		
☐ UNCOUPLED		24.26
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

093

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,600 P	10-28-09	DT
	from Drainage Ditch bldg 171			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-14-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X WENDELL KELLER — Wendell Keller — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455135

KH 1012

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO. 10-12	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS 08:07:14 14 Jan 2009 75720 lb	
EMPTY WT-STENCIL	TARE 07:28:46 14 Jan 2009 32120 lb	
LOAD LIMIT	NET 43,600	
☐ COUPLED		
☐ UNCOUPLED	21.80 Lu	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,160 #	10-28-09	DT
	from bldg 171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-14-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Tim Jennessy — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

11/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455140

JSB 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 1074

DIRT

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS 08:20:14 14 Jan 2009 77660 lb	
EMPTY WT-STENCIL	TARE 07:35:11 14 Jan 2009 33500 lb	
LOAD LIMIT	NET 44,160	
☐ COUPLED		
☐ UNCOUPLED		22.08 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,920	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Craig Hodge — [signature] — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455142

US B 1056

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Brown

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:31:10 14 Jan 2009 77960 lb
EMPTY WT-STENCIL	TARE	08:25:03 14 Jan 2009 33940 lb
LOAD LIMIT	NET	43,920
☐ COUPLED		
☐ UNCOUPLED		21.96
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,180 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X CLINT HODGE — [signature] — 1/14/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — 1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#455149

HODGE 1084

WEIGHT TICKET DIRT -

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO. 1056	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	09:11:25 14 Jan 2009 79080 lb
EMPTY WT-STENCIL	TARE	07:36:25 14 Jan 2009 35000 lb
LOAD LIMIT	NET	44,180
☑ COUPLED		
☐ UNCOUPLED		22.09 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,320 P	10-28-09	DT
	From B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Kevin Powers — Kevin Powers — 9-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

9/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455195 USB1022

Blue

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10:44:01 14 Jan 2009 75980 lb
EMPTY WT-STENCIL	TARE	10:03:11 14 Jan 2009 31580 lb
LOAD LIMIT	NET	44,320
☐ COUPLED		
☐ UNCOUPLED		22.16
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,100 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Roy Terrell — [signature] — 1/14/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HSS 197

GO TO 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Green

TRUCK/TRACTOR NO. 1002	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10:56:29 14 Jan 2009 79100 lb
EMPTY WT-STENCIL	TARE	10:19:30 14 Jan 2009 33000 lb
LOAD LIMIT	NET	46,100
☐ COUPLED		
☐ UNCOUPLED		23.05 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,620 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

*Wendell Keller — Wendell Keller — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455216 RH 1012

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:46:04 14 Jan 2009 77600 lb
EMPTY WT-STENCIL	TARE	12:09:30 14 Jan 2009 31980 lb
LOAD LIMIT	NET	45,620
☐ COUPLED		
☐ UNCOUPLED		22.81
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,160 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Tim Jennings — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455526 USB 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:04:58 14 Jan 2009 79520 lb
EMPTY WT-STENCIL	TARE	12:14:45 14 Jan 2009 33360 lb
LOAD LIMIT	NET	46,160
☐ COUPLED		
☐ UNCOUPLED		23.08 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,400 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

r Craig Hodge — [signature] — 1-14-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455227 USB1056

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

yellow TRUCK DIRT

TRUCK/TRACTOR NO. 1056	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:16:51 14 Jan 2009 [illegible] lb
EMPTY WT-STENCIL	TARE	12:15:34 14 Jan 2009 [illegible] lb
LOAD LIMIT	NET	44,400
☐ COUPLED		
☐ UNCOUPLED		22.20/tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	41,900 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/14/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* CLINT HODGE — [signature] — 1/14/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/14/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455232 HODGE 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Br.

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:34:36 14 Jan 2009 75680 lb	
EMPTY WT-STENCIL	TARE 12:57:22 14 Jan 2009 33780 lb	
LOAD LIMIT	NET 41,900	
☐ COUPLED		
☐ UNCOUPLED	20.95 tn.	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,040 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 11/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Roy Tellrell — [signature] — 11509

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5021 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — 11/15/09

Name (Print or Type) — Signature # 455322 — Date Received

Form SW02 (2003)

GOTO 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TOLTEST

TRUCK/TRACTOR NO. 10 09 GREEN	SCC ☐ ☐ ☐	PASSENGER ☒ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:50:52 15 Jan 2009 76660 lb	
EMPTY WT-STENCIL	TARE J.J. 08:01:22 15 Jan 2009 32620 lb	
LOAD LIMIT	NET 44,040	
☐ COUPLED		
☐ UNCOUPLED	22.02 hr.	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,060P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — Wendell Keller — 1-15-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455321

KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TOLTEST

TRUCK/TRACTOR NO. 10-12	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:37:40 15 Jan 2009 74820 lb
EMPTY WT-STENCIL	TARE gd	07:51:09 15 Jan 2009 31760 lb
LOAD LIMIT	NET	43,060
☐ COUPLED		
☐ UNCOUPLED		21.53/tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,420 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Signature
1/15/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Craig Hodge — Name of Authorized Agent
Signature
1-15-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866
Phone No. 812-298-2160

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
1/15/09 — Date Received

Form SW02 (2003)

455329
USB 1056

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TOLTEST

TRUCK/TRACTOR NO. 1056	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☒ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE JJ	09:11:22 15 Jan 2009 77840 lb
LOAD LIMIT	NET	08:00:20 15 Jan 2009 33420 lb
☐ COUPLED		44,420
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	41,320 P	10-28-09	
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Tim Jeuness — [signature] — 1-15-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#455330

115R1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) TOLTEST

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	09:25:14 15 Jan 2009 74440 lb
LOAD LIMIT	NET	08:02:29 15 Jan 2009 33120 lb
		41,320
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	20.66 ton.
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,640 #	10-28-09	
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — [signature] — 1/15/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455350

HODGE 1084

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	**SCC** ☐ ☐ ☐	**PASSENGER** ☑ ON ☐ OFF
TRAILER NO. 1084	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	10:02:42 15 Jan 2009 80140 lb
EMPTY WT-STENCIL	TARE	09:17:30 15 Jan 2009 33500 lb
LOAD LIMIT	NET	46,640
☐ **COUPLED**		
☐ **UNCOUPLED**		23.32
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,120 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Ben Rogers — Ben Rogers — 1-15-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

VS3/052

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1052	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10:01:53 15 Jan 2009 79000 lb
EMPTY WT-STENCIL	TARE	08:16:33 15 Jan 2009 31880 lb
LOAD LIMIT	NET	47,120
☐ COUPLED		
☐ UNCOUPLED		23.56
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,460P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Kevin Powers — Kevin Powers — 1-15-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455363

VSB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) TOLTEST

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10:46:18 15 Jan 2009 79760 lb
EMPTY WT-STENCIL	TARE	08:03:20 15 Jan 2009 31300 lb
LOAD LIMIT	NET	48,460
☐ COUPLED		
☐ UNCOUPLED		24.23 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,140 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Wendell Keller — Wendell Keller — 1-15-09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09
Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455382 KH 1012

WEIGHT TICKET DIRT - Purple

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☒ OFF
TRAILER NO. 10-12	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 12054144 15 Jan 2009 T4890 lb	
EMPTY WT-STENCIL	TARE 12012948 15 Jan 2009 Z1740 lb	
LOAD LIMIT	NET 43,140	
☐ COUPLED		
☐ UNCOUPLED	21.57 tn.	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,760 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Roy Ferrell — [signature] — 1/15/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — [signature] — 1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455380

Goto 1009

WEIGHT TICKET DIRT Green

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1009	**SCC** ☐ ☐ ☐	**PASSENGER** ☑ ON ☐ OFF
TRAILER NO. 10-09	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	13:05:00 15 Jan 2005 78,680 lb
EMPTY WT-STENCIL	TARE	12:14:02 15 Jan 2005 32,920 lb
LOAD LIMIT	NET	45,760
☐ **COUPLED**		
☐ **UNCOUPLED**		22.88 tn.
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,200P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Breit — Generator/Authorized Agent Name
Signature
1/15/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1056
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Craig Hodge — Name of Authorized Agent
Signature
1-15-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
1/15/09 — Date Received

Form SW02 (2003)

455393

1513 1056

WEIGHT TICKET Yellow Strip Petersburg

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. ~~1084~~ 1056	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:21:30 15 Jan 2009 77660 lb	
EMPTY WT-STENCIL	TARE 12:32:59 15 Jan 2009 33460 lb	
LOAD LIMIT	NET 44,200	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR 22.1 tn	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,360 P	10-28-09	DT
	from B 171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Tim Jenness — 1-15-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455394 1581074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt, Black

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1074	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:33:00 15 Jan 2009 77220 lb
EMPTY WT-STENCIL	TARE	12:33:44 15 Jan 2009 32860 lb
LOAD LIMIT	NET	44,360
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	22.18 tn.
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	φ	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/15/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Ben Rogers — Ben Rogers — 1-15-09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09
Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455418

1SB1052

WEIGHT TICKET

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1052	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:47:19 15 Jan 2009 78480 lb
EMPTY WT-STENCIL	TARE	13:59:44 15 Jan 2009 32620 lb
LOAD LIMIT	NET	45,860
☐ COUPLED		
☐ UNCOUPLED		22.93 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,820 P	10-28-09	DT

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 1/15/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X CLINT HODGE — Signature — 1/15/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/15/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455423

HODGE 1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:14:28 15 Jan 2009 79100 lb
EMPTY WT-STENCIL	TARE	14:02:07 15 Jan 2009 33280 lb
LOAD LIMIT	NET	45,820
☐ COUPLED		
☐ UNCOUPLED		22.91 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42080 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — [signature] — 1-16-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R Tucker — [signature] — 1-16-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455 490

USB 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:17:46 16 Jan 2009 75240 lb
EMPTY WT-STENCIL	TARE	07:17:57 16 Jan 2009 33160 lb
LOAD LIMIT	NET	42,080
☐ COUPLED		
☐ UNCOUPLED		21.04 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,240 P	10-28-09	
	from B071 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Roy Fellrell — [signature] — 11609

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

[signature] — 1/16/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455491

Gate 1009

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1009	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:31:49 16 Jan 2009 78180 lb
EMPTY WT-STENCIL	TARE	07:19:31 16 Jan 2009 32940 lb
LOAD LIMIT	NET	45,240
☐ COUPLED		
☐ UNCOUPLED		22.62
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,000 P	10-28-09	DT
	from B171 drainage Ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brant — Thomas J. Brant — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

+ Kevin Powers — Kevin Powers — 1-16-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — Bry — 1-16-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455519

11 <R1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:43:55 16 Jan 2009 75160 lb
EMPTY WT-STENCIL	TARE	07:41:47 16 Jan 2009 31160 lb
LOAD LIMIT	NET	44,000
☐ COUPLED		
☐ UNCOUPLED		22.00 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,900 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X WENDELL KELLER — Wendell Keller — 1-16-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866
Phone No. 812-298-2160

I hereby acknowledge receipt of the above described materials.

1/16/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455496

TH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:57:30 16 Jan 2009 77620 lb
EMPTY WT-STENCIL	TARE	07:43:01 16 Jan 2009 32720 lb
LOAD LIMIT	NET	44,900
☐ COUPLED		
☐ UNCOUPLED		22.45
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42,320 P	10-28-09	DT
	from B171 drainage Ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Thomas J. Brent — Signature
1/16/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1009
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Roy Terrell — Name of Authorized Agent
Signature
1/16/09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
1/16/09 — Date Received

Form SW02 (2003)

455567 Ro Ka 1009

WEIGHT TICKET DIRT GREEN

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 10-09	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:18:21 16 Jan 2009 75000 lb	
EMPTY WT-STENCIL	TARE 12:27:02 16 Jan 2009 32680 lb	
LOAD LIMIT	NET 42,320	
☑ COUPLED		
☐ UNCOUPLED	21.16	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,420 P	10-28-09	Bt
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Thomas J. Brent — Signature
1/16/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Tim Jeavess — Name of Authorized Agent
Signature
1-16-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
1/16/09 — Date Received

Form SW02 (2003)

455564 ICR 1796

WEIGHT TICKET DIRT Black

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	**SCC** ☐ ☐ ☐	**PASSENGER** ☑ ON ☐ OFF
TRAILER NO. 1074	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	13:21:19 16 Jan 2009 78700 lb
EMPTY WT-STENCIL	TARE	12:12:22 16 Jan 2009 33280 lb
LOAD LIMIT	NET	45,420
☑ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	22.71
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,480 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Keller — Signature — 1-16-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/16/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455576 KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Purple

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:53:06 16 Jan 2009 79020 lb
EMPTY WT-STENCIL	TARE	12:44:54 16 Jan 2009 32540 lb
LOAD LIMIT	NET	46,480
☐ COUPLED		
☐ UNCOUPLED		23.24
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,100 p	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/16/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-16-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/16/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

N55578

VSB1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	1416122 16 Jan 2009 79161 lb
EMPTY WT-STENCIL	TARE	1350137 16 Jan 2009 31060 lb
LOAD LIMIT	NET	48,100
☐ COUPLED		
☐ UNCOUPLED		24.05
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,620 P	10-28-09	DT
	from ~~B&H~~ area 171			
	per forms			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Tim Jenness — 1-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/19/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

455728

1515 1574

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 9:41 AM Gross 1-19-2009 76,820	
EMPTY WT-STENCIL	TARE 7:51 AM Tare 1-19-2009 33,200 lb	
LOAD LIMIT	NET 43,620	
☐ COUPLED		
☐ UNCOUPLED		21.81 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42,760 P	10-28-09	DT
	from B-66 Area			
	171 Footprints			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Kellel — Wendell Kellel — 1-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 1-19-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#455764 USB 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 10:04 AM Gross 1-19-2009 75,560	
EMPTY WT-STENCIL	TARE 7:53 AM Tare 1-19-2009 32,800 lb	
LOAD LIMIT	NET 42,760	
☐ COUPLED		
☐ UNCOUPLED		21.33
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	42,220 P	10-28-09	DT
	from B-16+ Area			
	171 Pounds			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brust — Thomas J. Brust — 11/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

* Kevin Powers — Kevin Powers — 11-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 11-19-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#455763 USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 10:36 AM Gross 1-19-2009 73,660	
EMPTY WT-STENCIL	TARE 8:04 AM Tare 1-19-09 31,460 lb	
LOAD LIMIT	NET 42,220	
☐ COUPLED		
☐ UNCOUPLED	21.10 tn	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45040 #	10-28-09	DT
	from B 161 Area			
	171 Fuel Farm			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 1/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X — Tim Jenness — 1-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/19/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

NSB 1071A

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	PM Gross 1-19-09 78,000 lb.
EMPTY WT-STENCIL	TARE	12:46 PM Tare 1-19-09 32,960 lb.
LOAD LIMIT	NET	45,040 lb
☐ COUPLED		
☐ UNCOUPLED		22.52 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,520 P	10-28-09	DT
	from B 161 Area			
	171 fan fame			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

x Kevin Powers — Kevin Powers — 01-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1/19/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 3:46 PM Gross 1-19-09 76,560 lb	
EMPTY WT-STENCIL	TARE 2:38 PM Tare 1-19-09 31,040 lb	
LOAD LIMIT	NET 45,520	
☐ COUPLED		
☐ UNCOUPLED	22.7%	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,700 P	10-28-09	DT
	from B161 Area			
	171 for Jamie			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/19/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Keller — Wendell Keller — 1-19-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

Phone No. 812-298-2160

I hereby acknowledge receipt of the above described materials.

1/19/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

HSS 851 K&L 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS ~~2:40~~ 3:20 PM PM Gross 1-19-09 78,080 lb	
EMPTY WT-STENCIL	TARE 2:40 PM Tare 1-19-09 32,380 lb	
LOAD LIMIT	NET 45,700	
☐ COUPLED		
☐ UNCOUPLED	22.85 L	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

#3122

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 062198182 SC PPW 12/16/2008 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN 8170023498	1	(800) 483-3718	002330253 FLE

5. Generator's Name and Mailing Address
NSA Crane
Bldg. 2516 200 Highway 361
Crane, IN 47522
Generator's Phone: 812 338 8901

Generator's Site Address (if different than mailing address)
Bldg. 2516
Crane, IN 47522

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc
4979 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, NOS, 9, PG III, (POLYCHLORINATED BIPHENYLS, 8, PG III)~~ BMS.	~~Ø01~~ BMS.	~~TT~~ BMS.	~~19684~~ BMS.	~~K~~ BMS.	~~NONE~~ BMS.
	2. NON-HAZARDOUS, NON D.O.T. Regulated. (WASH WATER FROM PLANT DECON) NONE, NONE.	Ø01	TT	19684	K	NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information BMS.
2. C02488508
(5180 GAL)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year: 01 20 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Bradley M Shaffer — Signature: Bradley M Shaffer — Month Day Year: 01 20 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) D62198152 SC PPW 12/16/2008 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number IN5170023498	2. Page 1 of 1	3. Emergency Response Phone (800) 483-3718	4. Manifest Tracking Number 002330254 FLE

5. Generator's Name and Mailing Address
NSA Crane
Bldg. 2516 300 Highway 361
Crane, IN 47522
Generator's Phone: (812) 636-8501

Generator's Site Address (if different than mailing address)
Bldg. 2516
Crane, IN 47522

6. Transporter 1 Company Name: Clean Harbors Environmental Services Inc — U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc
4979 Spring Grove Avenue
Cincinnati, OH 45232
Facility's Phone: (513) 681-5738
U.S. EPA ID Number: OHD000816629

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. ~~UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (POLYCHLORINATED DIPHENYLS), 9, PG III~~ NM					~~NONE~~
	2. NON HAZARDOUS, NON DOT REGULATED, LIQUID (WASH WATER ~~FROM PLANT CLEAN~~ RGGS), NONE, NONE 001		TT	19760 K ~~22,257 KG~~ NM		NONE
	3.					
	4.					

14. Special Handling Instructions and Additional Information
2. CH348330B ~~ERG#171~~
79980 GROSS
35740 TARE
44240 NET

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent — Signature: Thomas J. Brent — Month 01 Day Year 2009

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Nancy MOLNAR — Signature: Nancy Molnar — Month 01 Day Year 2009
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H082 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Nancy Seiller — Signature: Nancy Seiller — Month 1 Day 20 Year 09

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO GENERATOR

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping.

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,520 lb	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1/22/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Wendell Keller — 1-22-09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 1-22-09
Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

K+H 1012

456395

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:29:17 22 Jan 2009 78520 lb	
EMPTY WT-STENCIL	TARE 07:29:36 22 Jan 2009 32000 lb	
LOAD LIMIT	NET 46,520	
☐ COUPLED		
☐ UNCOUPLED	23.26 tn	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,800 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas S. Brent — Thomas S. Brent — 1/22/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-22-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Byan Hewing — B... — 1-22-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#456421

NSA 1:22

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:16:21 22 Jan 2009 76000 lb
EMPTY WT-STENCIL	TARE	08:07:28 22 Jan 2009 31200 lb
LOAD LIMIT	NET	44,800
☐ COUPLED		
☐ UNCOUPLED		22.40 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,300 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brens — Thomas J. Brens — 1-22-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-22-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — Bryan Horning — 1-22-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

456530

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) toltest

TRUCK/TRACTOR NO. 1022	**SCC** ☐ ☐ ☐	**PASSENGER** ☑ ON ☐ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	14:25:43 22 Jan 2009 79080 lb
EMPTY WT-STENCIL	TARE	13:20:16 22 Jan 2009 30780 lb
LOAD LIMIT	NET	48,300
☑ **COUPLED**		
☐ **UNCOUPLED**		24.15
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,880 P	10-28-09	BT
	from B 171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-22-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — Wendell Keller — 1-22-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1-22-9

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

456508

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

To / test

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS	15:41:35 22 Jan 2009 78640 lb
EMPTY WT-STENCIL	TARE	12:22:29 22 Jan 2009 31760 lb
LOAD LIMIT	NET	46880
☐ COUPLED		
☐ UNCOUPLED		23.44
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,760 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-23-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X WENDELL KELLER — Wendell Keller — 1-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 1-23-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

456626 K&H 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:34:24 23 Jan 2009 76560 lb
EMPTY WT-STENCIL	TARE	07:52:22 23 Jan 2009 32800 lb
LOAD LIMIT	NET	43,760
☑ COUPLED		
☐ UNCOUPLED		21.88
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,900 P	10-28-09	DT
	from B171 drainage Ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-23-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1022
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

R TUCKER — R Tucker — 1-23-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

456628

USB 1022

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:06:51 23 Jan 2009 77920 lb
EMPTY WT-STENCIL	TARE	08:02:45 23 Jan 2009 31020 lb
LOAD LIMIT	NET	46,900
☐ COUPLED		
☐ UNCOUPLED		23.45 tn
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

Ticket # 456738 9 136

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane

Address: 300 Highway 361

City: Crane County: Martin

State: IN Zip: 47522

Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.

Address: 1480 Ford St.

City: Maumee County: Lucas

State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,460 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-23-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk

Transporter Address: 793-1 Juniper Rd.

Valparaiso, IN

DOT#

Truck Number: 1022

Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Kevin Powers — Kevin Powers — 1-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill

Phone No. 812-298-2160

Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1-23-9

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Tottest

TRUCK/TRACTOR NO. 1022	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:46:14 23 Jan 2009 [illegible]
EMPTY WT-STENCIL	TARE	12:34:21 23 Jan 2009 [illegible]
LOAD LIMIT	NET	48,460
☐ COUPLED		
☐ UNCOUPLED		24.23
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

137

REPUBLIC SERVICES, INC. #456737

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,200 P	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 1-23-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Keller — Wendell Keller — 1-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

1-23-9

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Toltest

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☑ ON ☐ OFF
TRAILER NO. 1012	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	
LOAD LIMIT	NET	
☐ COUPLED		
☐ UNCOUPLED	24.10 tn.	48,200
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	40,420 P	10-28-09	DT
	from B 171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 2-6-09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Wendell Keller — Wendell Keller — 2-6-09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

2/6/09
Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

#458563

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:23:35 06 Feb 2009 73020 lb
EMPTY WT-STENCIL	TARE	08:08:12 06 Feb 2009 32600 lb
LOAD LIMIT	NET	40,420
☐ COUPLED		
☐ UNCOUPLED		20.21
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,480	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 2-6-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

X Ben Rogers — Ben Rogers — 2-6-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 2/6/09 Date Received

Form SW02 (2003)

158644

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1052	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:47:43 06 Feb 2009 78920 lb
EMPTY WT-STENCIL	TARE	11:47:26 06 Feb 2009 32440 lb
LOAD LIMIT	NET	46,480 lb.
☐ COUPLED		
☐ UNCOUPLED		23.23 tn.
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,500 P	10-28-09	D7
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 2-6-09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — Wendell Keller — 2-6-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 2/6/09 Date Received

Form SW02 (2003)

458647 Kell 1012

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☑ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	12:42:27 06 Feb 2009 76680 lb
EMPTY WT-STENCIL	TARE	12:52:21 06 Feb 2009 32180 lb
LOAD LIMIT	NET	44,500
☐ **COUPLED**		
☐ **UNCOUPLED**		22.25 tn.
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,840 #	10-28-09	DT
	from B171 drainage ditch			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 2/9/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Wendell Keller — 2-9-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — Date Received

45844 — KH 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

dirt

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:20:58 09 Feb 2009 77240 lb	
EMPTY WT-STENCIL	TARE 08:20:26 09 Feb 2009 32400 lb	
LOAD LIMIT	NET 44,840	
☐ COUPLED		
☐ UNCOUPLED	22.42	
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

NON-HAZARDOUS WASTE MANIFEST

D62220938
#336

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498

Manifest Document No. 20938

2. Page 1 of 1

3. Generator's Name and Mailing Address
NSA Crane
Bldg 2516 300 Highway 361
Crane IN 47522

4. Generator's Phone (812) 636-8501

Site Address :
Bldg 2516
Crane, IN 47522

5. Transporter 1 Company Name: Clean Harbors Environmental Services Inc

6. US EPA ID Number: MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone (781) 792-5000

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc
4979 Spring Grove Avenue
Cincinnati, OH 45232

10. US EPA ID Number: OHD000816629

E. State Facility's ID

F. Facility's Phone (513) 681-5738

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NONE, NON HAZARDOUS, NON D.O.T. REGULATED LIQUID, (WATER, PCBS), N/A	01	TT	14520	K GSM
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11a.CH3493308

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Emergency Phone Number : (800) 483-3718

(3872 GALLONS)

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Date: Month 02 Day 10 Year 09

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Bradley M Shaffer
Signature: Bradley M Shaffer
Date: Month 02 Day 10 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Nancy Seiller
Signature: Nancy Seiller
Date: Month 2 Day 10 Year 09

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

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PRINTED WITH SOY INK

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000233717WAS

5. Generator's Name and Mailing Address: NSN CRANE / THOMAS BRENT, 300 HIGHWAY 361, CRANE, IN 47522, (812)854-6160

Generator's Site Address (if different than mailing address): NSN CRANE / THOMAS BRENT, 300 HIGHWAY 361, CRANE, IN 47522, GEN: 121893

Generator's Phone:

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC — U.S. EPA ID Number: FAD987947515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: HERITAGE ENVIRONMENTAL SERVICES LLC, 4370 W. COUNTY ROAD 175 N., ROACHDALE, IN 46172, (765)435-2704 — U.S. EPA ID Number: IND980509070

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A)),ERG#171	1	DT	21619	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

1.WL_0486612_T#20090127

PCB Out Of Service Date: 6/8/09

Truck 1084

wt: 216649 (47660lb)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent — Signature: [signature] — Month 06 Day 08 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: CLINT HODGE — Signature: [signature] — Month 6 Day 8 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
M122			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [signature] — Signature: [signature] — Month 06 Day 08 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

WEIGHT TICKET BROWN

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1084A	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:59:05 03 Jun 2009 80700 lb
EMPTY WT-STENCIL	TARE	08:19:26 03 Jun 2009 33140 lb
LOAD LIMIT	NET	47,560 lb 21,619 Kg
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)334-1221
4. Manifest Tracking Number: 000233721WAS

5. Generator's Name and Mailing Address
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NAVAL SURFACE WARFARE CENTER
300 HIGHWAY 361
CRANE, IN 47522
GENI 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987217518

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 125 N.
ROACHDALE, IN 46172
(765)535-2704
Facility's Phone:
U.S. EPA ID Number: IND990503099

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PG II,(PCB REMEDIATION WASTE 761.61 (A)),ERG#171	1	DT	20646	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.WL_0488612_TW2034205
PCB out of service date: 6/8/09
Truck #: 1084
45440
206551
(12837301)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 06 Day 08 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: CLINT HODGE
Signature: Clint Hodge
Month 6 Day 8 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 06 Day 09 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date___/___/___ **Unit #** 1084

Job # _____

Manifest # 666233721 WIP

Scale Ticket

Gross	11:27AM 09JUN09	78460 1
Tare	11:51AM 09JUN09	33020 1

45440

(20655 lb)

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT

TRUCK/TRACTOR NO. 1084	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☒ OFF
TRAILER NO. 1084A	IDENTIFICATION	DEBRIS ☐ YES ☒ NO
RR CAR NO.	GROSS	15:45:25 08 Jun 2009 78320 lb
EMPTY WT-STENCIL	TARE	14:41:46 08 Jun 2009 32900 lb
LOAD LIMIT	NET	~~46,110~~ 45,420
☐ COUPLED		20,646
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,980 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Signature
Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT# 461965
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — Name of Authorized Agent
Signature
6/17/09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
6/17/09 — Date Received

Form SW02 (2003)

482798

VSB 1074

WEIGHT TICKET Black

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:26:53 17 Jun 2009 79320 lb	
EMPTY WT-STENCIL	TARE 07:28:07 17 Jun 2009 33340 lb	
LOAD LIMIT	NET 45,980	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	44,920 P	10-28-09	
	From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/17/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084A
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — Clint Hodge — 6/17/09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/17/09
Name (Print or Type) — Signature — 482800 — Date Received

Form SW02 (2003)

HODGE 1084

WEIGHT TICKET Brown

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1084A	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:44:10 17 Jun 2009 77990 lb
EMPTY WT-STENCIL	TARE	07:29:01 17 Jun 2009 33040 lb
LOAD LIMIT	NET	44,920
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,860 p	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Signature
6/17/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1001
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARK RABER — Name of Authorized Agent
Signature
6/17/09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
482832
6/17/09 — Date Received

Form SW02 (2003)

1SB1001

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1001	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09104123 17 Jun 2009 75900 lb
EMPTY WT-STENCIL	TARE	07140127 17 Jun 2009 31940 lb
LOAD LIMIT	NET	43,860
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,800 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brenz — Generator/Authorized Agent Name
Signature
6/17/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Name of Authorized Agent
Signature
6-17-09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type)
Signature
6/17/09 — Date Received

Form SW02 (2003)

KH 1017

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☐ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	08:53:01 17 Jun 2009 79720 lb
EMPTY WT-STENCIL	TARE	07:51:51 17 Jun 2009 32920 lb
LOAD LIMIT	NET	46,800
☐ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,540 p	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/17/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Ben Rogers — Ben Rogers — 6/17/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

~~Ben Rogers~~ — ~~Ben Rogers~~ — 6/17/09

Name (Print or Type) — Signature — Date Received

482841

Form SW02 (2003)

ISR 1,55

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1052	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 10:26:12 17 Jun 2009 80720 lb	
EMPTY WT-STENCIL	TARE 07:50:31 17 Jun 2009 32180 lb	
LOAD LIMIT	NET 48,540	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,790 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brenn — Thomas J. Brenn — 6/17/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT# 461965
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jemess — [signature] — 6/17/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Horning — [signature] — 6-17-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

482945

1074

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:22:13 17 Jun 2009 78800
EMPTY WT-STENCIL	TARE	12:34:49 17 Jun 2009 33160
LOAD LIMIT	NET	46,780
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,420 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Generator/Authorized Agent Name
Thomas J. Brent — Signature
6/17/09 — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1084
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — Name of Authorized Agent
Clint Hodge — Signature
6/17/09 — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan — Name (Print or Type)
Bryan — Signature
6-17-09 — Date Received

Form SW02 (2003)

482946 Hodge 1084

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1084	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☐ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	**GROSS**	13:36:24 17 Jun 2009 79440 lb
EMPTY WT-STENCIL	**TARE**	12:41:19 17 Jun 2009 33020 lb
LOAD LIMIT	**NET**	46,420
☐ **COUPLED**		
☐ **UNCOUPLED**		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	43,780 P	10-28-09	DT
	From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/17/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Signature — 6-17-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Homing — Signature — 6-17-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

482753

USB 1012

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:03:07 17 Jun 2009 75800 lb
EMPTY WT-STENCIL	TARE	13:18:45 17 Jun 2009 32020 lb
LOAD LIMIT	NET	43,780
☒ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,920 P	10-28-09	DT
	from B166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/17/09
Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1001
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARK RADER — [signature] — 6/17/09
Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Henning — [signature] — 6-17-09
Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

482951 USB1001

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1001	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:25:53 17 Jun 2009 79920 lb
EMPTY WT-STENCIL	TARE	13:42:29 17 Jun 2009 32000 lb
LOAD LIMIT	NET	47,920
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	49,040 P	10-28-09	DT
	From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/17/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1052
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Ben Rogers — Ben Rogers — 6-17-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Bryan Harning — Bryan Harning — 6-17-09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

482952 (15R1052)

WEIGHT TICKET DIRT

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1052	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:45:53 17 Jun 2009 80880 lb
EMPTY WT-STENCIL	TARE	13:51:28 17 Jun 2009 31840 lb
LOAD LIMIT	NET	49,040
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,140 P	10-28-09	DT
	From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/18/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT# 461965
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — Signature — 6/18/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 6/18/09

Date Received

Form SW02 (2003)

USB 1074

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt #155

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1074	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:07:45 18 Jun 2009 78120 lb
EMPTY WT-STENCIL	TARE	07:45:08 18 Jun 2009 32980 lb
LOAD LIMIT	NET	45,140
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	40,640 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/18/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1001
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

MARK RABER — Signature — 6/18/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/18/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

NSR 1001

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt #156

TRUCK/TRACTOR NO. 1001	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. ~~1001~~	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:57:39 18 Jun 2009 74100 lb
EMPTY WT-STENCIL	TARE	09:20:54 18 Jun 2009 33460 lb
LOAD LIMIT	NET	40,640
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	48,540 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas S. Brent — Signature — 6/18/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number:
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Ben Rogers — Signature — 6-18-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/18/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

M1534 115B1052

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1012	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09127122 18 Jun 2009 90400 lb
EMPTY WT-STENCIL	TARE	18102125 18 Jun 2009 21860 lb
LOAD LIMIT	NET	48,540
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,320 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/18/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1084A
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

CLINT HODGE — Signature — 6/18/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/18/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

1084

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt 158

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. 1084A ~~7074~~	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 10:20:43 18 Jun 2008 79100 lb	
EMPTY WT-STENCIL	TARE 08:07:08 18 Jun 2008 31780 lb	
LOAD LIMIT	NET 47,320	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47580P	10-28-09	DT
	~~[illegible]~~ From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/18/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Wendell Keller — Signature — 6-18-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/18/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

M 1552

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt 159

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO. PA-242 ~~1024~~	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	10449138 19 Jun 2009 80080 lb
EMPTY WT-STENCIL	TARE	08400725 19 Jun 2009 32500 lb
LOAD LIMIT	NET	47,580
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,260 P	10-28-09	DT
	From 3-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Signature — 6/23/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT# 461965
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

T. M. Jenness — 6/23/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/23/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

483811

115R 1174

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt

TRUCK/TRACTOR NO. 1074	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:20:17 23 Jun 2009 32640 lb
EMPTY WT-STENCIL	TARE	08:22:25 23 Jun 2009 79900 lb
LOAD LIMIT	NET	47,260
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	46,920 P	10-28-09	DT
	from B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/23/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN

DOT#
Truck Number: 1012
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Wendell Keller — 6-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — 6/23/09 Date Received

Form SW02 (2003)

483822

K # 1012

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:59:41 23 Jun 2009 31640 lb
EMPTY WT-STENCIL	TARE	08:52:16 23 Jun 2009 78560 lb
LOAD LIMIT	NET	46,920
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	45,840 P	10-28-09	D7
	From B-166 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/23/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT#
Truck Number: 10-12
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

WENDELL KELLER — Wendell Keller — 6-23-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/23/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

483936 KH 10/12

NON HAZ MANIFEST # 162

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☒ OFF
TRAILER NO. 10 - 12	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:45:19 23 Jun 2009 77760 lb
EMPTY WT-STENCIL	TARE	13:02:07 23 Jun 2009 31920 lb
LOAD LIMIT	NET	45,840
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522
Site Location (if different):

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	47,220 P	10-28-09	DT
	from B-171 area			

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas J. Brent — 6/23/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: US Bulk
Transporter Address: 793-1 Juniper Rd.
Valparaiso, IN
DOT# 461965
Truck Number: 1074
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Tim Jenness — 6/23/09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

6/23/09

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

483923 USR 1716

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1074 dirt NONHAZ MANIFEST #163

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☒ ON ☐ OFF
TRAILER NO. 1074	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:30:27 23 Jun 2009 79800 lb
EMPTY WT-STENCIL	TARE	12:32:23 23 Jun 2009 32580 lb
LOAD LIMIT	NET	47,220 lb
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number NSA Crane	b. Manifest Document Number	c. Page 1 of
d. Generator's Name and Location: NSA Crane 300 Hghway 361 Crane, IN 47522 f. Phone:	e. Generator's Mailing Address: same g. Phone:	
If owner of the generating facility differs from the generator, provide: h. Owner's Name: Contact:	i. Owner's Phone No.:	

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
810105	10-28-09	contaminated soil			20 yd	

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:

b. Phone: 812-824-7988

c. Driver Name (Print)	d. Signature	e. Date
Chester Smith	[signature]	6-30-09

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address: Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100	c. US EPA Number	d. Discrepancy Indication Space:

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address: b. Phone:	c. Responsible Agency Name and Address: d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

REPUBLIC SERVICES, INC.

NON-HAZARDOUS WASTE MANIFEST

GENERATOR INFORMATION

Generator Name: NSA Crane
Address: 300 Highway 361
City: Crane County: Martin
State: IN Zip: 47522

CUSTOMER/BILLING INFORMATION

Billing Name: TolTest, Inc.
Address: 1480 Ford St.
City: Maumee County: Lucas
State: OH Zip: 43537

Site Location (if different):

Republic Services Approval #	Description of Waste	Volume/Weight	Expiration Date	Container Type
810105	Non-Haz PCB Soil & Debris	34040 P	10-28-09	BA
	from Bldg area	47900		
		13260		
			7-31-09	BA

*Attach Additional Sheet if necessary

I hereby certify that the above described materials are non-hazardous wastes as defined by 40 CFR 261 or any applicable state law. Further, that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Thomas J. Brent — Thomas P. Brent — 7/31/09

Generator/Authorized Agent Name — Signature — Date Shipped

TRANSPORTER INFORMATION

Transporter Name: ~~US Bulk~~ TolTest
Transporter Address: ~~4793 I Juniper Rd.~~ 508 W E/North St
~~Valparaiso, IN~~ Crown IN 47562
DOT# 333 199
Truck Number: 38
Phone Number: 812-642-0578

I certify no hazardous waste or other regulated substance was knowingly introduced to the waste while in my custody. The waste transported in this vehicle is the waste identified above, to the best of my knowledge.

Jeffrey L Hooten — Jeffrey L Hooten — 7-31-09

Name of Authorized Agent — Signature — Date Delivered

DISPOSAL SITE INFORMATION

Site Name: Sycamore Ridge Landfill
Phone No. 812-298-2160
Site Address: 5621 E. Cottom Drive, Pimento, IN 47866

I hereby acknowledge receipt of the above described materials.

Name (Print or Type) — Signature — Date Received

Form SW02 (2003)

491058

TOL 38

LANDFILL SPEED LIMIT 15 MPH

RS-Sycamore Ridge landfill
5621 E Cottom Drive
Pimento, In 47866
Phone: 812/299/9227

Ticket: 491058
Date: 7/31/2009
Time: 12:39:47-14:36:38
Scale
Gross: 47900LB 1 In Scale
Tare: 34320LB 2 Out Scale
Net: 13580LB
Net Tons: 6.79 Cuyds: 7.00

Truck: TOL38
Customer: 20633/TOLTEST INC

Generator: NAV001/NAVAL SUPPORT ACTI

PO: 166

Profile: 810105/NON HAZARDOUS PCB S
Comment:

Origin	Materials & Services	Quantity	Unit	Rate	Amount
MT/MARTIN IN	100% of 0105/Cont Soil	6.79	Tons	$18.86/Ton	$128.06
				Mandatory Fees:	$7.74
				Total Amount:	$135.80

Driver: Jeff Hot

Deputy Weighmaster: BOB TUCKER

GREE TO THE CONDITIONS PRINTED ON BACK OF TICKET
STOY DE ACUERDO CON LAS CONDICIONES ESCRITAS AL REVERSO DE ESTE BOLETO

3/37

D62410591

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498

Manifest Document No. 73109

2. Page 1 of

3. Generator's Name and Mailing Address
NSA Crane
Bldg. 2516 300 Highway 361
Crane IN 47522

4. Generator's Phone (812)636-8501

Site Address :
SAME

5. Transporter 1 Company Name
Clean Harbors Environmental Services Inc

6. US EPA ID Number
MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone (781)792-5000

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc
4879 Spring Grove Avenue
Cincinnati, OH 45232

10. US EPA ID Number
OHD000816629

E. State Facility's ID

F. Facility's Phone (513)681-5738

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NONE, NON HAZARDOUS, NON D.O.T. REGULATED LIQUID, (WATER, PCBS), N/A	01	TT	4100	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
11a.CH348330B

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Phone Number : (800)483-3718

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Wayne Moore
Signature: Wayne Moore
Date: Month 07 Day 31 Year 09

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Douglas K. Moncla
Signature:
Date: Month 07 Day 31 Year 09

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name:
Signature:
Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

D62410591

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. IN5170023498

Manifest Document No. 73109A

2. Page 1 of 1

3. Generator's Name and Mailing Address
NSA Crane
Bldg. 2516 300 Highway 361
Crane IN 47522

4. Generator's Phone (812)836-8504

Site Address 1
SAME

5. Transporter 1 Company Name: Clean Harbors Environmental Services Inc

6. US EPA ID Number: MAD039322250

A. State Transporter's ID

B. Transporter 1 Phone (781)792-5000

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Spring Grove Resource Recovery Inc
4879 Spring Grove Avenue
Cincinnati, OH 45232

10. US EPA ID Number: OHD000816629

E. State Facility's ID

F. Facility's Phone (513)681-5738

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NONE, NON HAZARDOUS, NON D.O.T. REGULATED LIQUID, (WATER, PCBS), N/A	01	TT	2800	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
1 Lb. CH3483308

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Emergency Phone Number: (800)483-3718

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: RICHARD EXNER | Signature | Date Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date Month Day Year

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Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000284654WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: HERITAGE TRANSPORT, LLC
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	001	CM	1927 25	K CY	
	2.			@1050		
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1.W1_0522793_T#2098512
OUTOG SERVICE DATE: 09-30-09
1927 kg (4246 lb)
[1315993]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 10 Day 05 Year 09

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RANDALL J DULEY
Signature:
Month 10 Day 05 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
WRIGHT CHANGED IN BOX 11/12 DUE TO WRITTEN WEIGHT NEEDS TO BE IN KILOGRAMS
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 10 Day 05 Year 09

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Randy P.

Stop Ticket

Stop#: 1120465-9019

Pick-up: 10/05/09 - 10/05/09

Trip#: 805463

Actual Miles_____

Site# 121853

Miles 211

EPA ID#: IN5170023498
PO#: P004074

Internal Contact
DOUGLAS THURSTON (877)381-2341

Name TOLTESTINC Signature [signature] Date 10-5-09

Mailing Address

NSA CRANE
300 HIGHWAY 361
CRANE, IN 47522

Site Address (None)

NSA CRANE
300 HIGHWAY 361
CRANE, IN 47522
Phone# (812)854-6160
ACCOUNTS PAYABLE - 419/794-3500

Driver Instructions:

Transporter: 8000

Phone

HERITAGE TRANSPORT, LLC
IND058484114 US DOT# 314460

(317)486-2973
MC#

Pickup Demurrage_____ Driver# 1552

Emergency Rate_____ Tractor# 528 2066

Final Delivery Demurrage_____ Trailer# 2028

Liner 1HWM RO# IN_____ RO# IN_____

Pump/Hose_____ RO# OUT RO 270 RO# OUT_____

Driver Name [signature] Date 10/5/09

Deliver To: 9019

HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N., ROACHDALE IN 46172
Directions:

IND980503890
(765)435-2704

P/U Items	Common Name	See Manifest	Transaction	Prod	Ref#	Ord	Type
1	PCB CONTAMINATED SOIL AND DEBRIS	00028465 4WAS-1	2098512	211	NIN	1	CM

ADDL EQUIP:
PPE: GLVS,GOGLS,APRON OR PCTYVEK SUIT
SPL INSTRS: DRIVER MUST GET BADGE AT GATE 8 AM COMP PPWK {LIVE LOAD} W/SWING GATE CTC RICK SPARKS 812/636-8501

119828: TOLTEST, INC.
Company\Loc: 48\16

MAIL TO GENERATOR

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1
IN5170023498	167	

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Tollest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3600
If owner of the generating facility differs from the generator, provide. h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102358	1-28-2011	Non-Hazardous PCB Soil and Debris	1	DT	46,020	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	3/15/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone. 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Jerome Jackson		3-15-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 6621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		3/15/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

17709 MAPS ACCT

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

45 yellow #167

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 08:20:13 15 Mar 2010 72900 LT	
EMPTY WT-STENCIL	TARE 07:05:23 15 Mar 2010 26880 LT	
LOAD LIMIT	NET 46,020	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
FIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102358

SITE	TICKET	GRID
01	012203	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
15 March 2010	11:06 am
DATE OUT	TIME OUT
15 March 2010	11:04 am
VEHICLE	ROLL OFF
460676	
REFERENCE	ORIGIN
	MARTIN TN

01 Gross Weight 73,060.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 46,680.00 lb 23.34 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.34	TN	FEE-HAUL/TRANS/TRUCK				
23.34	TN	SW-CONT SOIL				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

KS

SIGNATURE _____

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1
IN5170023498	168	

d. Generator's Name and Location:	e. Generator's Mailing Address
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Tolltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No. 812-854-6160

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102358	1-28-2011	Non-Hazardous PCB Soil and Debris	1	DT	45,800	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	3/15/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 [illegible]	KENNETH Shook	3-15-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		3/15/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information.

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

177 - 7

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

46 Blue #168

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:24:58 15 Mar 2010 73100 lb
EMPTY WT-STENCIL	TARE	07:06:05 15 Mar 2010 27300 lb
LOAD LIMIT	NET	45,800
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102358

SITE	TICKET	GRID
01	012202	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
15 March 2010	10:59 am
DATE OUT	TIME OUT
15 March 2010	10:59 am
VEHICLE	ROLL OFF
MC66025	
REFERENCE	ORIGIN
	MARTIN IN

01 Gross Weight 72,940.00 lb
Stored Tare Weight 26,300.00 lb
Net Weight 46,640.00 lb 23.32 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.32	TN	FEE-HAUL/TRANS/TRUCK				
23.31	TN	SW-CONT SOIL				
1.00	LD	ENVIRONMENTAL FEE				
1.00	LD	FUEL RECOVERY FEE				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of
IN6170023498	169	1

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Tolltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102358	1-28-2011	Non-Hazardous PCB Soil and Debris	1	DT	41,760	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	3/15/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 REN Shook	Ren Shook	3-15-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		3/15/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

169

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:42:46 15 Mar 2010 69050
EMPTY WT-STENCIL	TARE	27300
LOAD LIMIT	NET	41,760
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5521 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102258

SITE	TICKET	GRID
01	012286	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
15 March 2010	3:33 pm
DATE OUT	**TIME OUT**
15 March 2010	3:33 pm
VEHICLE	**ROLL OFF**
MCC045	
REFERENCE	**ORIGIN**
	MARTIN IN

Gross Weight 62,940.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 62,560.00 lb 21.28 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.28	TN	FTE-HAUL/TRANS/TRUCK				
21.28	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1
IN 5170023498	170	

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Tolltest 1480 Ford St. Maumee, Ohio 43537 g. Phone: 419-794-3600
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102356	1-28-2011	Non-Hazardous PCB Soil and Debris	1	DT	45180	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	3/15/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719		
c. Driver Name (Print) Jeremy Jackson	d. Signature	e. Date 3-15-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5821 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		3/15/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

17287

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

45 Yellow #170

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	13:09:35 15 Mar 2010 72060 lbs
EMPTY WT-STENCIL	TARE	26880
LOAD LIMIT	NET	45,180
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
FINDLAY IN 47866

000630
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102358

SITE	TICKET	GRID
01	012297	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
15 March 2010	3:03 pm
DATE OUT	TIME OUT
15 March 2010	3:13 pm
VEHICLE	ROLL OFF
MCCOYS	
REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 72,240.00 lb
Stored Tare Weight 26,300.00 lb
Net Weight 45,940.00 lb 22.97 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.97	TN	FEE-HAUL/TRANS/TRUCK				
22.97	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of 1
IN5170023498	171	

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Tollest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.: 812-854-6160

j. Waste Profile #	k. Exp Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3287102358	1-28-2011	Non-Hazardous PCB Soil and Debris	1	DT	45940	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	3/16/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 KEN SHOOK	Ken Shook	3-16-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
R TUCKER	R Tucker	3-16-10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

17481 # ~~17309~~ MCG046

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Blue

TRUCK/TRACTOR NO. 46	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION DIRT	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:08:25 16 Mar 2010 73180 lb
EMPTY WT-STENCIL	TARE	06:45:40 16 Mar 2010 27240 lb
LOAD LIMIT	NET	45,940
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
FIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102358

Replaces 17379

SITE	TICKET	GRID
01	017481	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
16 March 2010	3:31 pm
DATE OUT	**TIME OUT**
16 March 2010	3:31 pm

VEHICLE	ROLL OFF
MC6046	

REFERENCE	ORIGIN
	MARTIN IN

01 Gross Weight 73,120.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 46,740.00 lb 23.37 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.37	TN	FEE-HAUL/TRANS/TRUCK				
23.37	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

Concrete settling basin

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000315839WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: HERITAGE TRANSPORT, LLC
U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	18782	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 09 / 30 / 09
1.W1_Q522793_T#2244868
wt 19691 kg
(43320 lb)
[13598961]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 03 Day 17 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVE CALDWELL
Signature: DAVE CALDWELL
Month 3 Day 17 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAVID BRICA
Signature:
Month 03 Day 17 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

4148

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date___/___/___ **Unit #** _____

Job # _____

Manifest # 000 315839WAS

Scale Ticket

Gross

05:08PM 17MAR10 77540 lb

Tare

05:24PM 17MAR10 34220 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

DIRT FOR TOM

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	
EMPTY WT-STENCIL	TARE	75600
LOAD LIMIT	NET	41320
☐ COUPLED		18782 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Concrete Settling basin

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN5170023498	1	(800)326-1221	000315840WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: HERITAGE TRANSPORT, LLC — U.S. EPA ID Number: IND058484114

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	19736	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 09/30/09
1.W1_0522793_T#2244787
Wt: 19773 kg (43500 lb)
[13599051]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent — Signature: Thomas J. Brent — Month 03 Day 17 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DAVE CALDWELL — Signature: [signature] — Month 03 Day 17 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [signature] — Signature: [signature] — Month 03 Day 17 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

4148

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date___/___/___**Unit #** _____

Job # _____

Manifest # 000315840 WAS

Scale Ticket

Gross

11:23AM 17MAR10 77940

Tare

11:45AM 17MAR10 34440

WEIGHT TICKET

9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:56:14 17 Mar 2010 77940 lb
EMPTY WT-STENCIL	TARE	07:03:22 17 Mar 2010 34520 lb
LOAD LIMIT	NET	43,420
☐ COUPLED		19736 kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000303189WAS

5. Generator's Name and Mailing Address:
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address):
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20491	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 4/16/10
1.W1_Q488612_T#2273914
wts 20518 kg (45140 lb)
[1368397]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 4 Day 16 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Wendell Kellar
Signature: Wendell Kellar
Month 4 Day 16 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 04 Day 16 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 16-Apr-10

HES Transaction Number: 2273914

Manifest: 000303189WAS

Net Kg: 20,818

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date ___/___/___ **Unit #** C012

Job # _____

Manifest # 000303189 WAS

Scale Ticket

Gross
11:18AM 16APR10 77480

Tare
11:37AM 16APR10 32340 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT Mem # 3189 WAS

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 07:36:34 16 Apr 2010 77340 lb	
EMPTY WT-STENCIL	TARE 06:19:32 16 Apr 2010 32260 lb	
LOAD LIMIT	NET 45,080	
☐ COUPLED	20,491 Kg	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000303190WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21291	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 4/16/10
1.W1_Q488612_T#2273916

wt: 21318 kg (46900 lb)

[1368399]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 4 Day 16 Year 10

GENERATOR

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

INT'L

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dustin Sexton
Signature: Dustin Sexton
Month 4 Day 16 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

TRANSPORTER

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Brea
Signature:
Month 04 Day 16 Year 10

DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 16-Apr-10

HES Transaction Number: 2273916

Manifest: 000303190WAS

Net Kg: 21,318

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date__/__/__ **Unit #** 3391

Job # _____

Manifest # 000303190 WAS ~~000303~~

Scale Ticket

Gross
11:19AM 16APR10 79620

Tare
11:39AM 16APR10 32720

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT

TRUCK/TRACTOR NO. 3391	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:42:45 16 Apr 2010 79520 lb
EMPTY WT-STENCIL	TARE	06:26:18 16 Apr 2010 32680 lb
LOAD LIMIT	NET	46,840
☐ COUPLED		21291 K
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000303191WAS

5. Generator's Name and Mailing Address:
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address):
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	20045	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 4/16/10 wt: 20091KS (44260lb)
1.W1_Q488612_T#2273915

[1368398]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 4 Day 16 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dustin Sexton
Signature:
Month 4 Day 16 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAN BRZEK
Signature:
Month 04 Day 16 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 16-Apr-10

HES Transaction Number: 2273915

Manifest: 000303191WAS

Net Kg: 20,091

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US 3391

Job # _____

Manifest # 000303191WAS

Scale Ticket

Gross
04:55PM 16APR10 76660

Tare
05:12PM 16APR10 32460

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Mon. No. 303191 WAS

TRUCK/TRACTOR NO. 3391	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:20:52 16 Apr 2010 76540 lb	
EMPTY WT-STENCIL	TARE 12:34:36 16 Apr 2010 32440 lb	
LOAD LIMIT	NET 44,100	
☐ COUPLED	20,045 Kg	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000303192WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGII,(PCB REMEDIATION WASTE 761.61 (A),ERG#171	1	DT	21127	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 4/16/10
1.W1_Q488612_T#2273917
W1: 21118kg (46460lb) [1368400]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 4 Day 16 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: WENDELL KELLER
Signature: Wendell Keller
Month 4 Day 16 Year 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAN BRICA
Signature
Month 04 Day 16 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	16-Apr-10
HES Transaction Number:	2273917

Manifest:	**Net Kg:**
000303192WAS	21,118

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date ___/___/___ **Unit #** US 1012

Job # _____

Manifest # 000303192WS

Scale Ticket

Gross
05:07PM 16APR10 78540 lb

Tare
05:30PM 16APR10 32080 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 1012	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 13:33:17 16 Apr 2010 78500 lb	
EMPTY WT-STENCIL	TARE 12:41:46 16 Apr 2010 32020 lb	
LOAD LIMIT	NET 46,480	
☐ COUPLED	21,127 K	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (3171) US 1015

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN5170023498	1	(800)326-1221	000342280WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC — U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704

U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	21182	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2397030

wt: 21273KS (46800lb) [1395945]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent — Signature: [signature] — Month 7 Day 8 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DOUGLAS D. ESTES — Signature: [signature] — Month 7 Day 8 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [signature] — Signature: [signature] — Month 07 Day 09 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 09-Jul-10

HES Transaction Number: 2397030

Manifest: 000342280WAS

Net Kg: 21,273

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US1015

Job # _____

Manifest # _____

Scale Ticket

Gross	08:52AM 09JUL10	80940
Tare	09:13AM 09JUL10	34140

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

126

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION DIRT	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	14:02:13 08 Jul 2010 80940 lb
EMPTY WT-STENCIL	TARE	13:21:18 08 Jul 2010 34340 lb
LOAD LIMIT	NET	46,600
☐ COUPLED		21182
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

M.F.B (B171)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342281WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	20973	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_0538614_T#2397031
Wt. 21009 kg (46220 lb)
[1395946]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: [signature]
Month 7 Day 8 Year 10

GENERATOR

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Greg WASHington
Signature: [signature]
Month 7 Day 8 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: DAVID BRUA
Signature: [signature]
Month 07 Day 08 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	08-Jul-10
HES Transaction Number:	2397031

Manifest:	**Net Kg:**
000342281WAS	21,009

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date ___/___/___ **Unit #** 9009

Job # _____

Manifest # 000342281 WAS

Scale Ticket

Gross
12:54PM 08JUL10 76800 lb

Tare
30580 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TR~~AILE~~R/TRACTOR NO. 18	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 09:50:47 08 Jul 2010 76900 lb	
EMPTY WT-STENCIL	TARE 08:26:38 08 Jul 2010 30760 lb	
LOAD LIMIT	NET 46140	
☐ COUPLED	20973	
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (171)

#1074

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342282WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	21064	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2397032

cl: 20964kg
(4612016)
[1395947]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Jennes
Signature:
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 08 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	08-Jul-10
HES Transaction Number:	2397032

Manifest:	**Net Kg:**
000342282WAS	20,964

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US1074

Job # _____

Manifest # UU034228 2WAS

Scale Ticket

Gross
11:28AM 08JUL10 78940 lb

Tare
11:50AM 08JUL10 32820 lb

WEIGHT TICKET
9ND-NWSCC-4010/2 (Rev. 6-79)

1074

TRUCK/TRACTOR NO. P 653405	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS NW	08:50:55 08 Jul 2010 78960 lb
EMPTY WT-STENCIL	TARE NW	07:51:08 08 Jul 2010 32620 lb
LOAD LIMIT	NET NW	46,340
		21064 Kg
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB 73171

#1040

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342283WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LBS),ERG#171	1	DT	21982	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2397033

Wt: 22027kg (48460lb)
[1395948]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Zach Donoho Agent
Signature: Zach Donoho
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 08 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	08-Jul-10
HES Transaction Number:	2397033

Manifest:	**Net Kg:**
000342283WAS	22,027

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US1040

Job # _____

Manifest # 000342283WAS

Scale Ticket

Gross
11:27AM 08JUL10 79140 lb

Tare
11:46AM 08JUL10 30680 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1040

TRUCK TRACTOR NO. P 686223	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS FW	08:37:07 08 Jul 2010 78940 lb
EMPTY WT-STENCIL	TARE 2W	07:50:00 08 Jul 2010 30580 lb
LOAD LIMIT	NET 2W	48,360
☐ COUPLED		21982 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN5170023498	1	(800)326-1221	000342284WAS

GENERATOR

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	21322	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2397034
wt. 21400 lbs (4)08cu/h)
[1395949]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Craig Hodge
Signature:
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 08 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	08-Jul-10
HES Transaction Number:	2397034

Manifest:	**Net Kg:**
000342284WAS	21,400

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US 1056

Job # _____

Manifest # 000342284WM

Scale Ticket

Gross
11:24AM 08JUL10 80020 lb

Tare
11:43AM 08JUL10 32940 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 1056

TRUCK/TRACTOR NO. P 633691	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☑ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☑ NO
RR CAR NO.	GROSS NW	08:22:06 08 Jul 2010 79860 lb
EMPTY WT-STENCIL	TARE NW	07:48:51 08 Jul 2010 32820 lb
LOAD LIMIT	NET NW	47,040
☐ COUPLED		21382 Kg
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (B171)

#1040

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342285WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	22291	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_0538614_T#2397035

WA 22309KS (49080lb)

[1395950]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Zach Donoho Agent
Signature: Zach Donoho
Month 07 Day 08 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 09 Year 10

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 09-Jul-10

HES Transaction Number: 2397035

Manifest: 000342285WAS

Net Kg: 22,309

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date___/___/___ **Unit #** US1040

Job # _____

Manifest # 000342285WAS

Scale Ticket

Gross
09:07AM 09JUL10 79460 lb

Tare
09:28AM 09JUL10 30380 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) white

TRUCK/TRACTOR NO. 1040	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:29:27 08 Jul 2010 79600 lb
EMPTY WT-STENCIL	TARE	14:21:05 08 Jul 2010 30560 lb
LOAD LIMIT	NET	22,291
☐ COUPLED		49,040
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (B171)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342312WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
Generator's Phone: (812)854-6160

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	20864	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2412209

wt: 20836 lbs (45840 lb)
[13973 15]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Craig Hodge
Signature:
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 09 Year 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	09-Jul-10
HES Transaction Number:	2412209

Manifest:	**Net Kg:**
000342312WAS	20,836

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US/056

Job # _____

Manifest # 000342312 WAS

Scale Ticket

Gross
09:05AM 09JUL10 78680 lb

Tare
09:26AM 09JUL10 32840 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) white

TRUCK/TRACTOR NO. 1056	SCC ☐ ☐ ☐	PASSENGER ☒ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	[illegible] 78960
EMPTY WT-STENCIL	TARE	14:11:44 08 Jul 2010 32560 lb
LOAD LIMIT	NET	45,900
☐ COUPLED		20864
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

AEB (B171)

1074

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498
2. Page 1 of: 1
3. Emergency Response Phone: (800)326-1221
4. Manifest Tracking Number: 000342313WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	21427	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_0538614_T#2412210

wt: 21455 kg
(47200 lb) [1397316]

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tim Jenness
Signature:
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 09 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 09-Jul-10

HES Transaction Number: 2412210

Manifest: 000342313WAS

Net Kg: 21,455

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US1074

Job # _____

Manifest # 000342213WAS

Scale Ticket

Gross	09:08AM 09JUL10	79740 lb
Tare	09:30AM 09JUL10	32540 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Black

TRUCK/TRACTOR NO. 107	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:12:26 08 Jul 2010 79860 lb
EMPTY WT-STENCIL	TARE	14:20:19 08 Jul 2010 32720 lb
LOAD LIMIT	NET	47,140
☐ COUPLED		21427
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (B171)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN5170023498	1	(800)326-1221	000342314WAS

GENERATOR

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name: U.S. BULK TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
Facility's Phone: (765)435-2704
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171	1	DT	22727	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2412211
Wt: 22709 KG
(4996016)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: MICHAEL A. DeBAR
Signature: Michael A DeBar
Month 7 Day 8 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month 07 Day 09 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

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GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	09-Jul-10
HES Transaction Number:	2412211

Manifest:	**Net Kg:**
000342314WAS	22,709

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date __/__/__ **Unit #** US 1086

Job # _____

Manifest # 000342314WAS

Scale Ticket

Gross	08:53AM 09JUL10	80120 lb
Tare	09:19AM 09JUL10	30160 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Blue

TRUCK/TRACTOR NO. 21221	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 15:15:30 08 Jul 2010 80280 lb	
EMPTY WT-STENCIL	TARE 14:23:00 08 Jul 2010 30280 lb	
LOAD LIMIT	NET 50,000 22727	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MFB (B171)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
IN5170023498		1	(800) 3 000042315WAS

5. Generator's Name and Mailing Address
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
(812)854-6160
Generator's Phone:

Generator's Site Address (if different than mailing address)
NSA CRANE / THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522
GEN: 121853

6. Transporter 1 Company Name
ISG
U.S. BULK TRANSPORT, INC
U.S. EPA ID Number
IN R000195996 PAD987347475

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172
(765)435-2704
Facility's Phone:
U.S. EPA ID Number
IND980503038

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. X RQ,UN3432,POLYCHLORINATED BIPHENYLS, SOLID,9,PGIII,(PCB REMEDIATION WASTE),(RQ = 1 LB),ERG#171			20964	1	DT		K
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7/8/10
1.W4_Q538614_T#2412212
wt. 20873 KS (45920 lb)

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 8 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Greg WASHington
Signature: Greg Washington
Month 7 Day 8 Year 10
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: David Bana
Signature
Month 07 Day 08 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/ OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR:	NSA Crane 300 Highway 361 Crane, IN 47522
EPA ID NUMBER:	IN5170023498
Wastestream:	PCB Remediation Soil and Debris
Disposal Method:	Landfilled
Disposal Date:	09-Jul-10
HES Transaction Number:	2412212

Manifest:	**Net Kg:**
000342315WAS	20,873

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date__/__/__ **Unit #** 2004

Job # _____

Manifest # 000342315WMS

Scale Ticket

Gross
09:09AM 09JUL10 77040 lb

Tare
09:37AM 09JUL10 31120 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) White

TRUCK/TRACTOR NO. 18	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	15:56:11 08 Jul 2010 76400 lb
EMPTY WT-STENCIL	TARE	15:34:48 08 Jul 2010 30500 lb
LOAD LIMIT	NET	45900
☐ COUPLED		20864
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

182 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFIS (B171) Truck # 40

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	44980	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Billy R. Railsback	Billy R. Railsback	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35259

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 40 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:36:16 09 Jul 2010 71480 lb
EMPTY WT-STENCIL	TARE	11:34:17 09 Jul 2010 26500 lb
LOAD LIMIT	NET	44980
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035259	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	2:16 pm

DATE OUT	TIME OUT
9 July 2010	2:16 pm

VEHICLE	ROLL OFF
MO3040	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 71,480.00 lb
Stored Tare Weight 26,500.00 lb
Net Weight 44,980.00 lb 22.49 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.49	TN	FEE-HAUL/TRANS/TRUCK				
22.49	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

181

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171) Truck # 58

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	39760	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Paul Crumpbell	Paul Crumpbell	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35256

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

58 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:27:04 09 Jul 2010 73060 lb
EMPTY WT-STENCIL	TARE	11:33:38 09 Jul 2010 33300 lb
LOAD LIMIT	NET	39,760
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035256	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	2:07 pm

DATE OUT	TIME OUT
9 July 2010	2:07 pm

VEHICLE	ROLL OFF
MCG058	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 72,640.00 lb
Stored Tare Weight 33,120.00 lb
Net Weight 39,520.00 lb 19.76 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.76	TN	FEE-HAUL/TRANS/TRUCK				
19.76	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

180

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFD (C171)

Truck #28

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	41760	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brewer	Thomas J. Brewer	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Paul Gifford	Paul Gifford	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35249

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Gifford dirt

TRUCK/TRACTOR NO. 28	**SCC** ☐ ☐ ☐	**PASSENGER** ☐ ON ☐ OFF
TRAILER NO.	**IDENTIFICATION**	**DEBRIS** ☐ YES ☐ NO
RR CAR NO.	GROSS	12:02:09 09 Jul 2010 68500 lb
EMPTY WT-STENCIL	TARE	11:13:13 09 Jul 2010 26740 lb
LOAD LIMIT	NET	41,760
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	**CONTRACTOR**	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	**WEIGHMASTER**	**VERIFIED BY**

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035249	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:46 pm

DATE OUT	TIME OUT
9 July 2010	1:46 pm

VEHICLE	ROLL OFF
GTF029	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 68,480.00 lb
Stored Tare Weight 26,820.00 lb
Net Weight 41,660.00 lb 20.83 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.83	TN	FEE-HAUL/TRANS/TRUCK				
20.83	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE Paul

179 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171) Truck #

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	38980	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brenn	[signature]	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x Jason Strange	x [signature]	x 7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
	[signature]	7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35248

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 43 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:01:17 09 Jul 2010 65140 lb
EMPTY WT-STENCIL	TARE	11:19:41 09 Jul 2010 26160 lb
LOAD LIMIT	NET	38,980
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035248	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:44 pm

DATE OUT	TIME OUT
9 July 2010	1:44 pm

VEHICLE	ROLL OFF
MCD043	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 64,820.00 lb
Stored Tare Weight 25,520.00 lb
Net Weight 39,300.00 lb 19.65 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.65	TN	FEE-HAUL/TRANS/TRUCK				
19.65	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171) Truck#

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	42100	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	[signature]	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x MICHEAL L. HARTMAN	x [signature]	x 9 July 10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-7100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
	[signature]	7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35246

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 4/1 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	11:57:56 09 Jul 2010 68040 lb
EMPTY WT-STENCIL	TARE	11:12:31 09 Jul 2010 25940 lb
LOAD LIMIT	NET	42,100
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		
CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTON RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035246	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:42 pm

DATE OUT	TIME OUT
9 July 2010	1:42 pm

VEHICLE	ROLL OFF
MCG041	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 68,020.00 lb
Stored Tare Weight 25,780.00 lb
Net Weight 42,240.00 lb 21.12 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.12	TN	FEE-HAUL/TRANS/TRUCK				
21.12	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

177 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171) Truck # 42

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	40880	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brant	Thomas J. Brant	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
JAMES FISHER 812-249-2719	James L. Fisher	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35243

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 42 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	11:50:54 09 Jul 2010 67520 lb
EMPTY WT-STENCIL	TARE	11:14:44 09 Jul 2010 26640 lb
LOAD LIMIT	NET	40,880
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035243	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:37 pm

DATE OUT	TIME OUT
9 July 2010	1:37 pm

VEHICLE	ROLL OFF
MCB042	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 67,540.00 lb
Stored Tare Weight 26,040.00 lb
Net Weight 41,500.00 lb 20.75 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.75	TN	FEE-HAUL/TRANS/TRUCK				
20.75	TN	SW-CONT SOIL				

NET AMOUNT

TENDERED

CHANGE

CHECK N

SIGNATURE

176 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB
Truck #46 (B171)

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	43520	DT

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Thomas J. Brent	Thomas J. Brent	7/9/10
p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719 KEW Shook	Ken Shook	7-9-10
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

		7/9/10
e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35242

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

46 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	11:31:32 09 Jul 2010 70620 lb
EMPTY WT-STENCIL	TARE	11:11:52 09 Jul 2010 27100 lb
LOAD LIMIT	NET	43,520
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	0352242	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:35 pm

DATE OUT	TIME OUT
9 July 2010	1:35 pm

VEHICLE	ROLL OFF
MC0044	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 70,660.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 44,280.00 lb 22.14 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.14	TN	FEE-HAUL/TRANS/TRUCK				
22.14	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

125

SIGNATURE _____

175 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (871)
Truck #45

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	44700	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brant	Thomas J. Brant	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719		
c. Driver Name (Print) Gregory Jackson	d. Signature	e. Date 7-8-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35241

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) 45 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	11:22:50 09 Jul 2010 72540 lb
EMPTY WT-STENCIL	TARE	11:04:33 09 Jul 2010 27840 lb
LOAD LIMIT	NET	44,700
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	025241	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	1:34 pm
DATE OUT	**TIME OUT**
9 July 2010	1:34 pm

VEHICLE	ROLL OFF
MC9045	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 72,540.00 lb
Stored Tare Weight 26,300.00 lb
Net Weight 46,240.00 lb 23.12 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.12	TN	FEE-HAUL/TRANS/TRUCK				
23.12	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

70 REPUBLIC SERVICES, INC.

174

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

Truck # 40

MFB (B171)

SWMU 9 FTA ~~TSCA~~

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	43680	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x Bill Railsback	x Bill Railsback	x 7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35770

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) DIRT

TRUCK/TRACTOR NO. 40	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	08:04:18 09 Jul 2010 70260 lb
EMPTY WT-STENCIL	TARE	06:21:46 09 Jul 2010 26580 lb
LOAD LIMIT	NET	43680
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035170	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:54 am

DATE OUT	TIME OUT
9 July 2010	9:54 am

VEHICLE	ROLL OFF
MCG040	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 70,200.00 lb
Stored Tare Weight 26,500.00 lb
Net Weight 43,700.00 lb 21.85 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.85	TN	FEE-HAUL/TRANS/TRUCK				
21.85	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE Rabsbach

~~64~~ 172

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (CB171)

~~SWMU 9~~ ~~FTA~~ ~~TSCA~~

Truck #58

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	*m. Containers No.	Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	36560	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Paul Campbell	x Paul Campbell	x 7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35768

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt

172

TRUCK/TRACTOR NO. 58-blue	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:57:57 09 Jul 2010 69700 lb
EMPTY WT-STENCIL	TARE	06:22:19 09 Jul 2010 33140 lb
LOAD LIMIT	NET	36560
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5421 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035168	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:52 am

DATE OUT	TIME OUT
9 July 2010	9:52 am

VEHICLE	ROLL OFF
MCG058	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 69,220.00 lb
Stored Tare Weight 33,120.00 lb
Net Weight 36,100.00 lb 18.05 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
18.05	TN	FEE-HAUL/TRANS/TRUCK				
18.05	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

171

Truck #42

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171)

~~SWMG~~ ~~FTA~~ ~~TSCA~~

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	*m. Containers No.	Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	39060	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x JAMES L. FISHER	x James L. Fisher	x 7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35767

171

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt

TRUCK/TRACTOR NO. 42	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:38:03 09 Jul 2010 65540 lb
EMPTY WT-STENCIL	TARE	06:21:14 09 Jul 2010 26480 lb
LOAD LIMIT	NET	39,060
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035167	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:50 am

DATE OUT	TIME OUT
9 July 2010	9:50 am

VEHICLE	ROLL OFF
MC6042	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 65,160.00 lb
Stored Tare Weight 26,040.00 lb
Net Weight 39,120.00 lb 19.56 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
19.56	TN	FEE-HAUL/TRANS/TRUCK				
19.56	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

167

Truck #43

MFB (B171)

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	41760	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Jason Stump		7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35760

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt

TRUCK/TRACTOR NO. 43	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:22:20 09 Jul 2010 67780 lb
EMPTY WT-STENCIL	TARE	06:17:51 09 Jul 2010 26020 lb
LOAD LIMIT	NET	41760
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

MORE RIDGE LANDFILL
21 E COTTOM RD
..MENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035166	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:48 am
DATE OUT	**TIME OUT**
9 July 2010	9:48 am

VEHICLE	ROLL OFF
MC3043	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 67,480.00 lb
Stored Tare Weight 25,520.00 lb
Net Weight 41,960.00 lb 20.98 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.98	TN	FEE-HAUL/TRANS/TRUCK				
20.98	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	41400	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 Paul Gifford	Paul Gifford	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35164

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

170

TRUCK/TRACTOR NO. 18 Gifford-Green	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS 07:34:36 09 Jul 2010 67560 lb	
EMPTY WT-STENCIL	TARE 06:19:47 09 Jul 2010 26160 lb	
LOAD LIMIT	NET 41,400	
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035164	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:46 am
DATE OUT	**TIME OUT**
9 July 2010	9:46 am

VEHICLE	ROLL OFF
GTF028	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 67,500.00 lb
Stored Tare Weight 26,820.00 lb
Net Weight 40,680.00 lb 20.34 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.34	TN	FEE-HAUL/TRANS/TRUCK				
20.34	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

MFB (B171) REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

169

Truck # 411

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	40680	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

Thomas J. Brent	Thomas J. Brent	7/9/10
p. Generator Authorized Agent Name (Print)	q. Signature	r. Date

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719 Michael L Hartman		9 July 10
c. Driver Name (Print)	d. Signature	e. Date

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

		7/9/10
e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35763

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

Dirt

TRUCK/TRACTOR NO. 41	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:20:14 09 Jul 2010 66560 lb
EMPTY WT-STENCIL	TARE	06:19:05 09 Jul 2010 25880 lb
LOAD LIMIT	NET	40680
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035163	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:44 am

DATE OUT	TIME OUT
9 July 2010	9:44 am

VEHICLE	ROLL OFF
MCG041	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 66,220.00 lb
Stored Tare Weight 24,780.00 lb
Net Weight 41,440.00 lb 20.72 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.22	TN	FEE-HAUL/TRANS/TRUCK				
20.72	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	44,780	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 KEV Shook	Kev Shook	7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/9/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35161 MCG046

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt 172

TRUCK/TRACTOR NO. 46	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:49:56 09 Jul 2010 71740 lb
EMPTY WT-STENCIL	TARE	06:20:42 09 Jul 2010 26960 lb
LOAD LIMIT	NET	44780
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035161	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:42 am

DATE OUT	TIME OUT
9 July 2010	9:42 am

VEHICLE	ROLL OFF
MC9046	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 71,700.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 45,320.00 lb 22.66 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
22.66	TN	FEE-HAUL/TRANS/TRUCK				
22.66	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE _____

MFB (B171)

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

168
Truck #- 4

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is NOT asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	42560	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/9/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719		
c. Driver Name (Print) Jeremy Jackson	d. Signature	e. Date 7-9-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35/59

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79) Dirt

TRUCK/TRACTOR NO. 45	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	07:00:28 09 Jul 2010 69640 lb
EMPTY WT-STENCIL	TARE	06:18:24 09 Jul 2010 27080 lb
LOAD LIMIT	NET	42560
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035159	0000

WEIGHMASTER: ROBERT T

DATE IN	TIME IN
9 July 2010	9:40 am
DATE OUT	**TIME OUT**
9 July 2010	9:40 am

VEHICLE	ROLL OFF
MC8045	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 69,620.00 lb
Stored Tare Weight 26,300.00 lb
Net Weight 43,320.00 lb 21.66 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
21.66	TN	FEE-HAUL/TRANS/TRUCK				
21.66	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

MFB (B-L7P) Truck # 1056

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: IN5170023498

2. Page 1 of 1

3. Emergency Response Phone: (800)326-1221

4. Manifest Tracking Number: 000498700 GBF

5. Generator's Name and Mailing Address
THOMAS BRENT
300 HIGHWAY361
CRANE, IN 47522
Generator's Phone: (812) 854-6160

Generator's Site Address (if different than mailing address)
THOMAS BRENT
300 HIGHWAY 361
CRANE, IN 47522 GEN:121853

6. Transporter 1 Company Name: U.S. BULB TRANSPORT, INC
U.S. EPA ID Number: PAD987347515

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
HERITAGE ENVIRONMENTAL SERVICES LLC
4370 W. COUNTY ROAD 1275 N.
ROACHDALE, IN 46172 (765) 435-2704
Facility's Phone:
U.S. EPA ID Number: IND980503890

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1 RQ, UN3432, POLYCHLORINATED BIPHENYLS, SOLID, 9,PGIII, (PCB REMEDIATION WASTE), (RQ = 1 LB), ERG#171	1	DT	16227	K	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EARLIEST DATE OF REMOVAL FROM SERVICE 7 / 9 / 10
1.W4 Q5386614 T#~~2289926~~ 2419950 @ 7-9-10
cal: 16264kg (35780lb) 13733191

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Thomas J. Brent
Signature: Thomas J. Brent
Month 7 Day 9 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Craig Hodge
Signature:
Month 7 Day 9 Year 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: [illegible]
Signature:
Month 07 Day 09 Year 10

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

HERITAGE

☐ 7901 W. Morris St.
Indianapolis, IN 46231
(317) 243-0811
IND093219012

☐ 8523 NE 38th Street
Kansas City, MO 64161
(816) 453-4321
MOD981505555

☐ 54 Avenue D
Williston, VT 05495
(802) 860-1200
VTD982766537

☐ 4132 Pompano Road
Charlotte, NC 28216
(704) 392-6276
NCD121700777

☒ 4370 W. Co. Rd. 1275N
Roachdale, IN 46172
(765) 435-2704
IND980503890

☐ 5122 East Storey Rd.
Coolidge, AZ 85228
(520) 723-4167
AZD081705402

☐ 15330 Canal Bank Road, N.E.
Lemont, IL 60439
(630) 739-1151
ILD085349264

☐ 5400 N. Detroit Ave.
Toledo, OH 43611
(419) 476-0942
OHD005045992

☐ 4370 W. Co. Rd 1275 N
Roachdale, IN 46172
(765) 435-2704
Subtitle D Landfill

CERTIFICATE OF TREATMENT AND DISPOSAL

HERITAGE ENVIRONMENTAL SERVICES, LLC CERTIFIES AND ASSURES TO OUR CUSTOMERS THAT THE TRANSACTION DESCRIBED BELOW, INCLUDING TREATMENT AND/OR STORAGE AND/OR RECLAMATION AND/OR DISPOSAL HAS BEEN HANDLED IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.

Heritage Environmental Services, LLC certifies that the transaction described by the identifying information below has been conducted as described. Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supevisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

GENERATOR: NSA Crane
300 Highway 361
Crane, IN 47522

EPA ID NUMBER: IN5170023498

Wastestream: PCB Remediation Soil and Debris

Disposal Method: Landfilled

Disposal Date: 09-Jul-10

HES Transaction Number: 2419950

Manifest: 000498700GBF

Net Kg: 16,264

KENNETH S. PRICE, CHAIRMAN

HERITAGE

Heritage Environmental Service LLC, Landfill Roachdale, IN

Date ___/___/___ **Unit #** US1056

Job # _____

Manifest # C004987006BF

Scale Ticket

Gross	03:43PM 09JUL10	69000 lb
Tare	04:07PM 09JUL10	33240 lb

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

1056 dirt

TRUCK/TRACTOR NO.	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	12:16:53 09 Jul 2010 68140 lb
EMPTY WT-STENCIL	TARE	11:28:31 09 Jul 2010 32440 lb
LOAD LIMIT	NET	35700
☐ COUPLED		16227 K
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

SWMU 9
FTA < JSCA
102

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	46860	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/14/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x KEN SHOCK	x Ken Shock	x 7-14-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/14/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

3-5 795

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 326710212 9

SITE	TICKET	GRID
01	035995	0000

WEIGHMASTER: PETE R

DATE IN	TIME IN
14 July 2010	3:44 pm

DATE OUT	TIME OUT
14 July 2010	3:44 pm

VEHICLE	ROLL OFF
MCG046	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 73,700.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 47,320.00 lb 23.66 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.66	TN	FEE-HAUL/TRANS/TRUCK				
23.66	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE KS

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

SWMU 9
FTA
< TSCA
109

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	42080	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brew	Thomas J. Brew	7/14/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x William L. Hafner	x [signature]	x 14 July 10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/14/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35993

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035993	0000

WEIGHMASTER: PETE R

DATE IN	TIME IN
14 July 2010	3:42 pm

DATE OUT	TIME OUT
14 July 2010	3:42 pm

VEHICLE	ROLL OFF
MCG041	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 67,740.00 lb
Stored Tare Weight 25,780.00 lb
Net Weight 41,960.00 lb 20.98 TN

Inbound - SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.98	TN	FEE-HAUL/TRANS/TRUCK				
20.98	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B:71) 190

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	46620	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas J. Brent	7/14/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 KEN SHOOK	Ken Shook	7-14-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/14/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35915

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035915	0000

WEIGHMASTER: PETE R

DATE IN	TIME IN
14 July 2010	11:56 am

DATE OUT	TIME OUT
14 July 2010	11:56 am

VEHICLE	ROLL OFF
MC3044	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 73,580.00 lb
Stored Tare Weight 26,380.00 lb
Net Weight 47,200.00 lb 23.60 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
23.60	TN	FEE-HAUL/TRANS/TRUCK				
23.60	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

KS

SIGNATURE _____

REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B171) 189

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	41460	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brew	Thomas J. Brew	7/14/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

c. Driver Name (Print)	d. Signature	e. Date
812-249-2719 x Michael L. Hartman	x	x 14 July 10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/14/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35914

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 41	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:14:43 14 Jul 2010 67280 lb
EMPTY WT-STENCIL	TARE	07:58:23 14 Jul 2010 25820 lb
LOAD LIMIT	NET	41,480
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035914	0000

WEIGHMASTER: PETE R

DATE IN	TIME IN
14 July 2010	11:54 am

DATE OUT	TIME OUT
14 July 2010	11:54 am

VEHICLE	ROLL OFF
MC3041	

REFERENCE	ORIGIN
	MARTIN IN

Gross Weight 67,240.00 lb
Stored Tare Weight 25,780.00 lb
Net Weight 41,460.00 lb 20.73 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.73	TN	FEE-HAUL/TRANS/TRUCK				
20.73	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

188 REPUBLIC SERVICES, INC.

NON-HAZARDOUS SPECIAL WASTE & ASBESTOS MANIFEST

MFB (B/2)

If waste is asbestos waste, complete Sections I, II, III and IV
If waste is **NOT** asbestos waste, complete Sections I, II and III

I. GENERATOR (Generator completes Ia-r)

a. Generator's US EPA ID Number	b. Manifest Document Number	c. Page 1 of

d. Generator's Name and Location:	e. Generator's Mailing Address:
NSA Crane 300 Highway 361 Crane, IN 47522 f. Phone: 812-854-6160	C/O Toltest 1480 Ford St. Maumee, Ohio 43537 g. Phone:419-794-3500
If owner of the generating facility differs from the generator, provide: h. Owner's Name:	i. Owner's Phone No.:

j. Waste Profile #	k. Exp. Date	l. Waste Shipping Name and Description	m. Containers No.	m. Containers Type	n. Total Quantity	o. Unit Wt/Vol
3267102029	12-31-2010	Non-Hazardous PCB Soil and Debris	1	DT	40940	P

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if this waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions. I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR 268 and is no longer a hazardous waste as defined by 40 CFR 261.

p. Generator Authorized Agent Name (Print)	q. Signature	r. Date
Thomas J. Brent	Thomas Brent	7/14/10

II. TRANSPORTER (Generator completes IIa-b and Transporter completes IIc-e)

a. Transporter's Name and Address:
McGuire Excavating and Trucking
3800 North Fruitridge
Terre Haute, IN 47804
b. Phone: 47804

812-249-2719		
c. Driver Name (Print) Tion Strange	d. Signature	e. Date 7-14-10

III. DESTINATION (Generator complete IIIa-c and Destination Site completes IIId-g)

a. Disposal Facility and Site Address:	c. US EPA Number	d. Discrepancy Indication Space:
Sycamore Ridge Landfill 5621 E. Cottom Drive Pimento, IN 47866 b. Phone: 812-298-2100		

I herby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

e. Name of Authorized Agent (Print)	f. Signature	g. Date
		7/14/10

IV. ASBESTOS (Generator completes IVa-f and Operator complete IVg-i)

a. Operator's Name and Address:	c. Responsible Agency Name and Address:
b. Phone:	d. Phone:

e. Special Handling Instructions and Additional Information:

f. ☐ Friable ☐ Non-Friable ☐ Both % Friable % Non-Friable

OPERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.

g. Operator's Name and Title (Print)	h. Signature	i. Date

*Operator refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation or both

35899

WEIGHT TICKET
9ND-NWSCC 4010/2 (Rev. 6-79)

TRUCK/TRACTOR NO. 43	SCC ☐ ☐ ☐	PASSENGER ☐ ON ☐ OFF
TRAILER NO.	IDENTIFICATION	DEBRIS ☐ YES ☐ NO
RR CAR NO.	GROSS	09:03:51 14 Jul 2010 66900 lb
EMPTY WT-STENCIL	TARE	07:57:37 14 Jul 2010 25960 lb
LOAD LIMIT	NET	40940
☐ COUPLED		
☐ UNCOUPLED		
CONTRACT NO.	CONTRACTOR	
ITEM NO.		
PARTIAL DEL. NO.		

CONTRACTOR REP. *(if applicable)*	WEIGHMASTER	VERIFIED BY

SYCAMORE RIDGE LANDFILL
5621 E COTTOM RD
PIMENTO IN 47866

000633
TOLTEST INC
1480 FORD STREET
MAUMEE, OH 43537

Contract: 3267102129

SITE	TICKET	GRID
01	035899	0000

WEIGHMASTER: PETE R

DATE IN	TIME IN
14 July 2010	11:33 am
DATE OUT	**TIME OUT**
14 July 2010	11:33 am

VEHICLE	ROLL OFF
MC0043	

REFERENCE	ORIGIN
	MARTIN IN

01 Gross Weight 66,640.00 lb
Stored Tare Weight 25,520.00 lb
Net Weight 41,120.00 lb 20.56 TN

Inbound -- SCALE TICKET

QTY.	UNIT	DESCRIPTION	RATE	EXTENSION	TAX	TOTAL
20.56	TN	FEE-HAUL/TRANS/TRUCK				
20.56	TN	SW-CONT SOIL				

NET AMOUNT
TENDERED
CHANGE
CHECK NO.

SIGNATURE

J.2 BACKFILL WEIGHT TICKETS

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6808 Date : 6/25/09

Truck : 82WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72600	lb	MAN WT
Tare:	30000	lb	STORED
Net:	42600	lb	
	21.300	tn	Out 12:48 pm

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks
Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6793 Date : 6/25/09

Truck : 82WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72960	lb	MAN WT
Tare:	30000	lb	STORED
Net:	42960	lb	Out 10:20 am
	21.480	tn	

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6778 Date : 6/25/09

Truck : 82WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72900	lb	MAN WT
Tare:	30000	lb	STORED
Net:	42900	lb	
	21.450	tn	Out 7:54 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6792 Date : 6/25/09

Truck : 41WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	73200	lb	MAN WT
Tare:	28400	lb	STORED
Net:	44800	lb	
	22.400	tn	Out 10:16 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6809 Date : 6/25/09

Truck : 84WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	70120	lb	MAN WT
Tare:	25640	lb	STORED
Net:	44480	lb	
	22.240	tn	Out 12:57 pm

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks
Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6777 Date : 6/25/09

Truck : 41WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	73200	lb	MAN WT
Tare:	28400	lb	STORED
Net:	44800	lb	
	22.400	tn	Out 7:53 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6805 Date : 6/25/09

Truck : 34WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72640	lb	MAN WT
Tare:	28200	lb	STORED
Net:	44440	lb	
	22.220	tn	Out 12:22 pm

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks
Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6787 Date : 6/25/09

Truck : 34WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72980	lb	MAN WT
Tare:	28200	lb	STORED
Net:	44780	lb	
	22.390	tn	Out 9:53 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6776 Date : 6/25/09

Truck : 34WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72600	lb	MAN WT
Tare:	28200	lb	STORED
Net:	44400	lb	Out 7:52 am
	22.200	tn	

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6774 Date : 6/25/09

Truck : 24WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	73100	lb	MAN WT
Tare:	26180	lb	STORED
Net:	46920	lb	Out 7:44 am
	23.460	tn	

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6789 Date : 6/25/09

Truck : 24WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72980	lb	MAN WT
Tare:	26180	lb	STORED
Net:	46800	lb	
	23.400	tn	Out 10:06 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6806 Date : 6/25/09

Truck : 24WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72940	lb	MAN WT
Tare:	26180	lb	STORED
Net:	46760	lb	Out 12:36 pm
	23.380	tn	

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks
Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6807 Date : 6/25/09

Truck : 27WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	72420	lb	MAN WT
Tare:	28300	lb	STORED
Net:	44120	lb	
	22.060	tn	Out 12:39 pm

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks
Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6794 Date : 6/25/09

Truck : 27WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	70000	lb	MAN WT
Tare:	28300	lb	STORED
Net:	41700	lb	Out 10:24 am
	20.850	tn	

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer

Ingram Quarry, LLC
INGRAM QUARRY
303 E. Ingram Road
Springville,IN 47462
Phone : (812)824-3730 Fax :(812)824-3732

Weigh Master: RENEE

Hauler:
Customer: WIL100
William Hanna Trucking, Inc.
4672 W. Vernal Pike

Bloomington,IN 47404

Ticket No : 6779 Date : 6/25/09

Truck : 27WIL William Hanna Trucking
Material: COMMON F Common Fill by the ton
Location: TWO Ingram Quarry 2

Gross:	73100	lb	MAN WT
Tare:	28300	lb	STORED
Net:	44800	lb	
	22.400	tn	Out 7:57 am

Material $
Delivery $
Misc $
Tax $
Total $

Remarks:
Thanks Job 1098

Customer