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Removal Action Completion Report

Non-Time-Critical Removal Action

for

Old Fire Fighting Training Area
NAVSTA, Newport, Rhode Island

Naval Facilities Engineering Command
Mid-Atlantic

Contract Number N62472-03-D-0057
Contract Task Order 65

February 2010

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REMOVAL ACTION COMPLETION REPORT

NON-TIME-CRITICAL REMOVAL ACTION

FOR

OLD FIRE FIGHTING TRAINING AREA
NAVSTA, NEWPORT, RHODE ISLAND

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

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1.0 INTRODUCTION

Tetra Tech NUS, Inc (TtNUS) has prepared this Removal Action Completion Report (RACR) for the Old Fire Fighting Training Area (OFFTA) Non-Time-Critical Removal Action (NTCRA) on behalf of the United States Naval Facilities Engineering Command Contract Number N62472-03-D-0057, Contract Task Order 65 (CTO 65).

The objective of this removal action (RA) was to remove and dispose of subsurface structures and contaminated soil at OFFTA at the Naval Station (NAVSTA) Newport located in Newport, Rhode Island. The RA only targeted certain removal areas and provided exploratory measures to determine other sources of contamination on-site. The Navy is not seeking or expecting a determination of No Further Action based solely on the outcome of this work.

Work conducted included mobilization, site and staging area preparation, soil and structure excavation and removal, protection of shoreline resources, prevention of contaminant migration, confirmation sampling, waste characterization, equipment decontamination, on-site soil reuse, off-site transportation and disposal, site restoration, and demobilization.

This RA was conducted in accordance with the Work Plan for Non-Time-Critical Removal Action (TtNUS, 2007a) prepared under the Installation Restoration Program and Federal Facilities Agreement and the Action Memorandum for Non-Time-Critical Removal Action at the Old Fire Fighting Training Area (Site 09), signed February 1, 2007 (Navy, 2007b).

1.1 SITE DESCRIPTION

NAVSTA Newport is located approximately 60 miles southwest of Boston, Massachusetts, and 25 miles south of Providence, Rhode Island. It occupies approximately 1,063 acres, with portions of the facility located in the City of Newport and the Towns of Middletown and Portsmouth, Rhode Island. The facility layout is long and narrow, following the western shoreline of Aquidneck Island for approximately 6 miles facing the east passage of Narragansett Bay. The OFFTA site is located at the northern end of Coasters Harbor Island in Newport (see Site Map, Figure 1-1) and occupies approximately 5.5 acres. It is bordered by Taylor Drive to the south and surrounded by Coasters Harbor (part of Narragansett Bay) to the east, north, and west. The site is generally flat, with base grade surface elevations ranging from 8 to 12 feet above mean low water (MLW). The site is primarily overgrown with grass and few trees. A one-story concrete block building (Building 144), used for recruiting offices, is located along the central southern edge of the site. Access is restricted by a chain link fence along the southern side. Additional remnant fencing from a former ballfield and former recreational equipment storage area is located in the central portion of the site.

The OFFTA site was home to a Navy fire-fighting training facility from World War II until 1972. During the training operations, fuel oils were ignited and extinguished in various structures at the site including burn pits, so-called “Christmas tree” above-ground spray nozzle arrays, and small "Carrier Compartment" buildings that simulated shipboard compartments. A water/oil mixture used to ignite each structure was reportedly transported between the buildings via underground piping. It is presumed that water and residual fuels were drained from the structures, passed through an oil-water separator, and discharged to Coasters Harbor. Historic photos and maps provided in the Feasibility Study (FS) report (TtNUS, September 2002) show subsurface drainage pipes discharging from these structures directly north into Coasters Harbor (refer also to historic drawings provided in Appendix B of the NTCRA Work Plan [TtNUS, 2007a]). Figure 1-2 presents a summary of the historical underground piping systems of interest. Upon closure of the OFFTA site in 1972, the training structures were demolished and some concrete slabs and rubble were buried into three large mounds (heights ranging from 4 to 20 feet) on the site. In September 2004 through March 2005, the Navy conducted a NTCRA to remove the mounds.

Additionally, the site was used for recreational purposes until its closure in October 1998, and most recently the central portion of the site formerly functioned as a gravel parking area.

Extensive investigations have been conducted at the site including Remedial Investigations, Feasibility Studies, and Pre-Design Investigations. Investigation results indicate that past site activities caused the release of both organic and inorganic contaminants. The primary contaminants considered site-related are total petroleum hydrocarbons (TPH), lead, and polycyclic aromatic hydrocarbons (PAHs), which are presumed to be a result of the petroleum products used at the site as fire fuels. Other contaminants found that are not considered site-related include the metals antimony, arsenic, beryllium and manganese, and the pesticide dieldrin. The highest on-site concentrations of TPH in soil were found to exceed 30,000 milligrams per kilogram (mg/kg), which is the upper concentration limit (UCL) as specified by the Rhode Island Department of Environmental Management (RIDEM) Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations) (RIDEM, August 2004).

1.2 PROJECT SCOPE

The following sections describe the scope of the RA.

1.2.1 Removal Action

The scope of the RA called for removal and disposal of targeted subsurface structures and petroleum contaminated soil at OFFTA.

Targeted excavation areas consisted of:

- Area A - a soil petroleum contamination “hot-spot” where the TPH level was found to exceed 30,000 mg/kg during investigations in 2004 (Figure 1-2);
- Areas B1 and B2 – shoreline areas where two drainage pipes were located;
- Area C – manhole and chamber suspected to be potentially associated with a former oil-water separator; and;
- Areas D1 through D5 – locations of the remnant concrete and asphalt apron structure that formerly held burn-pits and tanks.

Additional subsurface concrete structures were encountered and designated as Foundations F1 through F3. These structures and associated underground piping were also excavated.

This removal effort included the following:

- Preparation and submission of site-specific plans including a Work Plan and Health and Safety Plan (HASP);
- Mobilization;
- Utility location, identification, and dig permits;
- Installation of sedimentation and erosion control measures;
- Construction of temporary wheel-wash and decontamination facilities;
- Establishment of exclusion zones and contamination reduction zones;
- Construction of temporary staging area;
- Excavation of contaminated soil and subsurface structures;
- Excavation of twelve test pits and removal of additional contamination sources;
- Collection of soil samples for field screening, waste characterization, and confirmation of regulatory compliance;
- Dewatering of excavations and off-site disposal of dewatering fluids;
- On-site chemical fixation of lead-contaminated soils;
- Transportation and off-site disposal of contaminated media;
- Transportation and disposal of general debris;
- Grading, backfilling, and compaction of imported certified clean common fill and reused soil;

- Site restoration including topsoil placement, seeding, fertilizing, and watering; and
- Demobilization of contractor personnel, equipment, materials, and temporary facilities.

1.2.2 Removal Action Completion Report

This Removal Action Completion Report is the final closeout activity for this effort. It includes all post-construction deliverables as required per the CTO. Details of the removal activities performed are provided in Section 2.0. Section 3.0 includes analytical results, and Section 4.0 presents conclusions and recommendations. Additional submittal information including confirmation results from samples collected by the RA subcontractor and waste bills of lading/manifests are provided in Attachment A. Analytical results from split samples collected by TtNUS are provided in Attachment B. Example photographs are provided in Attachment C.

2.0 REMOVAL ACTIVITIES

The purpose of this RA was to remove and dispose of subsurface structures and contaminated soil at OFFTA. TtNUS contracted Global Remediation Services, Inc. (Global) of Boston, Massachusetts to provide remediation contractor services at the site. The following sections describe the activities performed as part of the RA.

2.1 MOBILIZATION ACTIVITIES

Temporary construction offices and facilities, lay down, staging, and material storage areas were mobilized to the site under this task. Temporary facilities included an office trailer, storage trailer, and portable toilets. Utility connections were made for electrical power. Utility work was coordinated with the public Dig Safe and with the Navy Public Works Department. Water service for decontamination was obtained from an existing water connection on Building 144. Oversight staff, labor, and equipment were mobilized to the site as part of this task.

2.2 SITE PREPARATION ACTIVITIES

Site preparation activities performed by Global included limited site clearing, set-up of an on-site staging area, construction of a temporary on-site soil stockpile area, construction of a gravel haul road, and installation of erosion controls.

2.2.1 Staging and Temporary Storage Areas and Erosion and Sedimentation Controls

During site preparation, Global established a site staging area, a decontamination area and entrances and exits to the site. The staging area was established north of Building 144 and included one project trailer, one storage trailer, and portable sanitary facilities. The decontamination area lined with 40-mil polyethylene sheeting was established on the gravel haul road west of Building 144 near the west exit to the site. Prior to trucks and equipment leaving the work area, a visual inspection occurred and any required decontamination was conducted.

A temporary soil stockpile area was constructed west of the haul road for temporary storage of non-hazardous soil during waste characterization. The stockpile area consisted of a 40-mil polyethylene lined area surrounded by haybales and silt fence to provide adequate containment of possible runoff and erosion. Soil stockpiles were covered with polyethylene sheeting daily.

Erosion controls consisting of a haybale/silt fence barrier was installed along the perimeter of the active excavation areas and the shoreline within 100 feet of excavation areas, and along the downgradient and lateral gradient sides of the stockpile area. Routine inspection of the erosion and sediment controls for potential damage was conducted daily and repairs were made when deficiencies were noted.

2.2.2 Site Haul Road

A temporary single haul road was established at the site. The gravel haul road consisted of a single loop road from the access gate east of Building 144 to the access gate west of Building 144. Existing on-site material was used as the base for the roads and a geofabric and imported crushed stone was used to provide a stable travel surface.

2.3 REMOVAL ACTIVITIES

The RA included excavating target structures and petroleum-contaminated soil, and conducting exploratory excavations (test pits) to locate additional contaminant sources. The target excavation areas, identified on Figure 2-1, were excavated to remove target structures and to find and remove all soil exceeding the action level of 30,000 mg/kg TPH.

Supplemental exploratory excavations, or test pits, were excavated at the request of the U.S. Environmental Protection Agency (USEPA) and RIDEM to follow-up with previous sample collections and to attempt to locate additional areas of soil with TPH concentrations greater than 30,000 mg/kg and/or areas where non-aqueous phase liquid (NAPL) may be present.

Soil excavation areas were backfilled with existing on-site soil with TPH concentrations not exceeding 2,500 mg/kg to 2 feet below ground surface (bgs). The upper 2 feet of backfill, or surface interval, was completed with imported fill with a TPH level below 500 mg/kg. In addition, mobile NAPL was removed from the excavations when encountered.

2.3.1 Sorting and Stockpiling Excavated Material

All excavated media not suitable for direct backfilling was sorted by type, broken into smaller pieces as necessary, and initially segregated visually into approximate 150-cubic-yard cast piles. The piles were analyzed using Petroflag® tests, which provided screening-quality results. Ten percent of the samples collected by Global were also submitted for analytical laboratory testing. TtNUS also split samples at the rate of ten percent from the laboratory samples collected by Global.

The Petroflag® test, which is conducted based on EPA SW-846 Method 9074 using a proprietary handheld analyzer and the EPA procedure SW-846 8015B, is a turbidimetric screening analysis that works with a wide range of fuels at a wide range of concentrations.

Cast piles were sorted at the staging area as follows:

Type	TPH Concentration (mg/kg) *	Use	Testing
Reusable Soil	Less than 2,500	Backfill excavations on site at depths greater than 2 feet bgs	One sample per approximate 150 cubic yards of soil for screening tests and confirmation sampling by analytical laboratory
Petroleum-Impacted Soil	2,500 to 10,000	Dispose off site as petroleum-contaminated waste	One sample per approximate 150 cubic yards of soil for screening tests and confirmation sampling by analytical laboratory
Potential Hazardous Material	Above 10,000	Dispose off site as potentially hazardous waste, based on analytical laboratory results	One sample per approximate 150 cubic yards of soil for screening tests and confirmation sampling by analytical laboratory
Subsurface Structures	-	Dispose or recycle off site	Dependant of type of material (concrete, metal, wood, etc.)

* by screening test

The 10,000 mg/kg TPH threshold was used for the potential hydrocarbon waste stockpile designations to account for variability of the field screening method. This threshold assured that heavily contaminated soils were not mixed with less contaminated soils. In addition, these initial screening analyses served only as a characterization for stockpiling purposes. Waste characterization samples were collected from the petroleum-impacted soil stockpiles and potential hazardous material stockpiles for laboratory analysis to accurately determine the nature of contamination and, accordingly, the appropriate on-site reuse or off-site disposal location. The waste characterization composite sample was collected by combining sub-composite samples collected from each quadrant of the soil pile. Each sub-composite was made up of a minimum of two grab samples, but usually three grab samples of equal volume. No final decisions regarding soil reuse were made based solely on screening data. Based on the results of the waste characterization sampling, petroleum-impacted soil was reconsidered as reusable soil if the TPH results were below 2,500 mg/kg.

2.3.2 Confirmation Sampling

Confirmation samples were collected from the vertical and horizontal limits of each excavation area to demonstrate that the RA objective had been achieved. If the confirmation sampling results indicated that

non-compliant soil extended beyond the originally anticipated excavation limits, then excavation was continued under direction of the TtNUS on-site representative and agreement by the regulatory parties. If the sampling results indicated that all remedial objectives had been achieved, then the excavation areas were backfilled.

A minimum of one confirmation sample was collected from each sidewall of each excavation area. The maximum horizontal spacing between sidewall samples was 20 linear feet. At each sidewall sampling location station, soil sample aliquots were taken from the ground surface to the base of the excavation at 1-foot intervals and composited. Bottom samples were collected on a 10-foot grid.

2.3.3 Excavation Areas

Targeted excavation areas consisted of:

- Area A – a soil petroleum contamination "hot-spot" where the TPH level were found to exceed 30,000 mg/kg;
- Areas B1 and B2 – shoreline areas where two drainage pipes are located;
- Area C – manhole and chamber suspected to be associated with a former oil-water separator and;
- Areas D1 through D5 – locations of the remnant concrete and asphalt apron structure that formerly held burn-pits and tanks.

Additional subsurface concrete structures were encountered and designated as Foundations F1 through F3. These structures and associated underground piping were also excavated.

Subsurface structures and soil hot-spot excavation locations are depicted on Figure 2-1. The suspected limit of the petroleum-contaminated soil hot-spot area was mapped out by TtNUS based on sample locations that exceeded the RIDEM TPH UCL as determined by previous site investigations. Refer to Section 3 for analytical results discussion.

2.3.3.1 Area A

A soil hot-spot, Area A, was located in the northern-central portion of the site and previously found to contain TPH at concentrations above 30,000 mg/kg. Excavation of Area A began on January 17, 2008. The portion of Area A west of the active 24-inch reinforced concrete drain pipe (RCP) running north/south through Area A was excavated first. The top 18 inches of material was removed and segregated as clean soil for reuse (sample WC-01). A dewatering sump was installed in northeast corner of excavation to

allow the excavation to be completed to the desired depth of 9 feet bgs. The western portion of Area A sidewalls and bottom were sampled and field screened on January 18, 2008.

With a dewatering sump installed in the northwest corner, the eastern portion of Area A was excavated to a depth of 9 feet bgs on January 22, 2008. Confirmation sampling and field screening immediately followed.

A narrow strip of soil was left in place along the eastern side of the excavation adjacent to the 24-inch RCP drain line to maintain its structural integrity. Visually contaminated soil was segregated and sampled for waste characterization (WC-02 and WC03). Construction debris, bricks, concrete, and soil visibly contaminated with petroleum were observed immediately adjacent to and on both sides of the active storm water drain which traverses the central portion of the site in a north-south direction. The visibly petroleum contaminated soil and debris extended into the water table to a depth of approximately three feet below the water table. A sheen was observed on the surface of the groundwater. No measurable free product was observed. A strong petroleum odor was observed as well. An unknown concrete structure was observed in the northern sidewall of the Area A excavation immediately adjacent to the active storm water drain. Test pits were not dug to investigate the unknown structure due to the proximity to the shoreline and so as not to compromise the integrity of the active storm water drain line.

Seventeen bottom samples and 9 sidewall samples were collected to confirm the remediation goal was met. NAPL, as defined is Section 2.5 of this report, was not encountered in this excavation in the dewatering pump.

Area A was backfilled and compacted on January 31, 2008. A crushed stone and filter fabric layer were placed to provide a stable base for backfilling up to the top of the water table. Approximately 510 cubic yards of soil was excavated from Area A, based on field measurements. A field sketch of excavation and sampling locations is presented in Figure 2-2.

2.3.3.2 Area B1

The Area B1 pipe consisted of an exposed 8-inch vitrified clay pipe (VCP) along the shoreline and assumed to be associated with the former drainage system of the Fire Fighter Training School (Figure 2-1.) Excavation to expose Area B1 and the VCP running north/south through the area began on January 23, 2008. The top 18 inches of material was removed and segregated as clean soil for reuse (sample WC-04). The B1 drain pipe was exposed and determined to be inactive, the center section of the pipe (approximately 5 feet) was removed and after visual inspection, the remaining ends were grouted with hydraulic cement. Dark-colored/black soil/sediment was observed at the terminus of the Area B1 pipe. A

light sheen was also observed as well at the terminus of the Area B1 pipe. The visible portion of the pipe was removed from the shoreline and the remainder was grouted in place. No sheen was observed on subsequent days following removal and capping of the terminus of the Area B1 pipe.

In addition, the visible terminus section of the pipe along shoreline (approximately 10 feet) was also removed and the end grouted with hydraulic cement after visual inspection. No contaminated liquid or soil was observed in pipe along the shoreline. To prevent shoreline erosion and tidewater exchange with the excavation, the remaining VCP section north of the B1 excavation was left in place after hydraulically cementing the ends. The remaining portion of the Area B1 pipe was left in place in the bank due to it's proximity to the shoreline. No additional test pits or excavations were performed at this location.

Area B1 was sampled and field screened on January 31, 2008. In accordance with a discussion with the RIDEM representative, Mr. Paul Kulpa, a sediment sample from pipe B1 outfall terminus location was collected and designated OFFTA-B1-B0. Construction debris, bricks, concrete, and soil visibly contaminated with petroleum were observed in the Area B1 excavation. The petroleum contaminated soil and debris extended into the water table to a depth of approximately three feet below the water table. A sheen was observed on the surface of the groundwater. No measurable free product was observed. A strong petroleum odor was observed as well.

Five bottom samples (and one field duplicate) and four sidewall samples were collected to confirm the remediation goal was met. NAPL, as defined in Section 2.5 of this report, was not encountered in this excavation in the dewatering pump.

Visually-contaminated soil was segregated and sampled for waste characterization (samples WC-05 and WC06.) Area B1 was backfilled and compacted on January 31, 2008. Approximately 210 cubic yards of soil were excavated from Area B1, based on field measurements. A field sketch of excavation and sampling locations is presented in Figure 2-3.

2.3.3.3 Area B2

The Area B2 pipe consisted of an exposed outfall pipe along the shoreline believed to originate at an oil/water separator associated with the former drainage system of the Fire Fighter Training School (Figure 2-1.) Excavation to expose Area B2 and the 8-inch VCP drain running north/south through the area began on January 25, 2008. The top 18 inches of material was removed and segregated as clean soil for reuse (later sampled as WC-11). Similar to soil observed in adjacent excavations, petroleum stained construction debris and soil were observed in the Area B2 excavation up to approximately three feet below the water table. A strong petroleum odor was observed as well. A sheen and measurable free-

product was observed in the Area B2 excavation. The NAPL was removed from the Area B2 excavation by dewatering into tanks on site and the excavation was allowed to recharge overnight per the Work Plan. No measurable product was observed in the recharged water.

Once the B2 pipe was exposed, the center section of the pipe was removed and the remaining ends were grouted with hydraulic cement after the pipe was determined to be inactive by visual inspection. All VCP piping was removed from northern extent of the Area B2 excavation to where it entered the oil-water separators in the Foundation 3 exploratory excavation. The remaining northern portion of the Area B2 pipe was left in place in the bank due to it's proximity to the shoreline. This remaining section of pipe was not observed to contain oil.

All VCP piping was subsequently removed from the excavation prior to backfilling per direction of the on-site TtNUS representative (approximately 20 feet). In addition, the visible terminus section of the pipe along shoreline (approximately 5 feet) was also removed and the end grouted with hydraulic cement after the pipe was determined to be inactive by visual inspection. A mixture of light-colored and stained sediment was observed in pipe along the shoreline. Dark-colored/black soil/sediment was observed at the terminus of the Area B2 pipe. A light sheen was observed as well at the terminus of the Area B2 pipe prior to grouting the pipe end. A field sketch of excavation and sampling locations is presented in Figure 2-4.

One sample of contaminated material was collected from the end of the pipe during removal of the section along the shoreline and designated OFFTA-B2-B0. Area B2 was sampled and field screened on January 25, 2008. In accordance with a discussion held with RIDEM representative Mr. Paul Kulpa, sediment samples from the Area B2 outfall were collected at RIDEM's direction and designated OFFTA-B2-OF01, OFFTA-B2-OF02 and OFFTA-B2-OF03.

Visually contaminated soil was segregated and sampled for waste characterization (samples WC-06 and WC-07).

Initial field screening in Area B2 showed exceedances of the 2,500 ppm TPH criteria in the northwest corner base (OFFTA-B2-B1), southeast corner base (OFFTA-B2-B4), and southeast sidewall (OFFTA-B2-S4). Additional excavation in the northwest corner extended the excavation 1 foot in depth and was resampled (OFFTA-B2-B1A). Additional excavation in the southeast corner extended the excavation an additional 10 feet laterally and 2 feet in depth and was resampled in two iterations (OFFTA-B2-B4A/S4A and OFFTA-B2-B4B/S4B).

Eight bottom samples (and 1 field duplicate) and 6 sidewall samples were collected to confirm the remediation goal was met. NAPL, as defined is Section 2.5 of this report, was encountered in this excavation in the dewatering pump. Section 2.5 includes a discussion of the NAPL and NAPL recovery, based on field screening results, Area B2 was backfilled and compacted on January 31, 2008 and February 1, 2008. Approximately 445 cubic yards of soil was excavated from Area B2, based on field measurements.

2.3.3.4 Area C

Area C consisted of a manhole and concrete chamber located in the eastern-central portion of the site and was suspected to be the location of a former oil/water separator chamber. However, upon examination of the interior of manhole structure, it was found to be a water valve pit with two 10-inch lines running east-west inside the chamber. The outside of the structure was excavated on three sides to expose the pipes on the east and west side. The pipes were cold-tapped and found to be empty with no contaminated material present inside. Based on historical documents, it was determined that the valve pit and associated piping were part of the saltwater and freshwater pumping system that supplied water to the fire training school. Two samples were collected; results confirm no significant TPH concentrations in soil in Area C. RIDEM and USEPA agreed that no further action was required in Area C. Area C was backfilled and compacted on February 19, 2008.

2.3.3.5 Area D

Area D consisted of the remnant concrete apron and asphalt that former held burn-pits and tanks used by the Fire Fighter Training School. The remnant concrete apron located in the eastern-central portion of the site, Area D, was excavated and removed to facilitate investigation and sampling of the underlying piping and soil. This concrete and asphalt excavation covered an area of approximately 3,900 square feet, extended to at least 1.5 feet bgs, and resulted in the excavation of approximately 510 cubic yards of soil and approximately 200 cubic yards of concrete, based on field measurements. No piping was found leading to or from the area beneath the remnant concrete apron within this depth interval. Due to site logistics and sequencing, excavation of Area D was broken into five portions, Areas D1 through D5. Area D excavations are presented on Figure 2-1.

Ninety-nine bottom samples and 22 sidewall samples were collected to confirm the remediation goal was met. NAPL, as defined is Section 2.5 of this report, was not encountered in this excavation in the dewatering pump. A summary of activities is presented in the following sections.

2.3.3.5.1 Area D1

Bituminous asphalt material was removed from accessible areas beginning on January 25, 2008. This material was stockpiled for off-site recycling. Excavation of Area D1 to a total depth of 1.5 feet bgs began on January 31, 2008. All excavated soil was segregated as clean soil for reuse (sample WC-11).

Field screening in Area D1 indicated all locations were below the 2,500 ppm TPH screening criteria, except sample OFFTA-D220-60, with a screening concentration of 7,635 ppm TPH. However, laboratory confirmation results for this sample determined that the TPH concentration was 623 ppm. No additional excavation was required.

Based on field screening and laboratory confirmation results, Area D1 was backfilled and compacted on February 1, 2008. Approximately 135 cubic yards of soil was excavated. A field sketch of excavation and sampling locations is presented in Figure 2-5.

2.3.3.5.2 Area D2

Bituminous asphalt material was removed from accessible areas beginning on January 25, 2008. This material was stockpiled for off-site recycling. Excavation of Area D2 to a total depth of 1.5 feet bgs began on February 1, 2008. All excavated soil was segregated as clean soil for reuse (sample WC-11).

Field screening in Area D2 indicated all locations were below the 2,500 ppm TPH screening criteria. No sidewall samples were collected along southern boundary of this excavation, due to the presence of the concrete pad to be removed at a later date.

Based on field screening results, Area D2 was backfilled and compacted on February 1, 2008. Approximately 125 cubic yards of soil was excavated. A field sketch of excavation and sampling locations is presented in Figure 2-6.

2.3.3.5.3 Areas D3 and D4

Bituminous material was removed from accessible areas beginning on January 25, 2008. This material was stockpiled for off-site recycling. Excavation of Areas D3 and D4 to a total depth of 1.5 feet bgs began on February 4, 2208. All excavated soil was segregated as clean soil for reuse (samples WC-12 and 13).

Field screening in Area D3 and D4 indicated all locations were below the 2,500 ppm TPH screening criteria.

Based on field screening results, Areas D3 and D4 were backfilled and compacted on February 7, 2008. Approximately 25 cubic yards of soil was excavated from Area D3 and 20 cubic yards from Area D4. Field sketches of excavation and sampling locations are presented in Figures 2-7 and 2-8.

2.3.3.5.4 Area D5

Removal of all concrete and bituminous material was completed on February 13, 2008. This material was stockpiled for recycling. Excavation of Area D5 to a total depth of 1.5 feet bgs began on February 21, 2008. All excavated soil was segregated as clean soil for reuse (samples WC-12 and 13).

Field screening in Area D5 beneath the concrete pad indicated all locations were below the 2,500 ppm TPH screening criteria.

Based on field screening results, Area D5 was backfilled and compacted on February 22, 2008. Approximately 205 cubic yards of soil was excavated. A field sketch of excavation and sampling locations is presented in Figure 2-9.

2.3.4 Supplemental Foundation Excavations

Three foundation structures (Foundations 1, 2, and 3), located in the central and eastern-central portions of the site, were excavated as part of the NTCRA (Figure 2-1). Additionally, any piping found leading to or from these structures was inspected and sampled for evidence of petroleum contamination. Based on the sampling results, additional excavation was conducted to remove the contaminated piping and associated structures. The following sections discuss the supplemental foundation excavations and removal of structures and associated piping.

2.3.4.1 Foundation 1

Foundation 1 is the location of a suspected gasoline/fuel oil underground storage tank (UST) located east of Building 144. No written record exists regarding the closure of the UST in NAVSTA Newport records.

Excavation of suspected Foundation 1 (east of Building 144) began on February 6, 2008. A buried cable was encountered at approximately 6 inches bgs in southern portion of excavation (later identified as Cox Cable). Apparent bedrock surface was also encountered in this portion of the excavation at

approximately 2 feet bgs. A 6-inch-diameter steel pipe, running north-south at approximately 4 feet bgs, was encountered. This pipe, equipped with a gate valve, was connected to a 12-inch-diameter steel pipe running east-west approximately 16 feet from the southern edge of test pit. No liquid/oil was noted in the 6-inch pipe where it was broken at the southern end. No staining or odor was observed in the excavation; however, a soil sample was collected below the pipe. Based on historical drawings, the 6-inch piping is likely a stub for a former hydrant.

Excavation was continued south of the buried Cox Communication cable on February 8, 2008. The test pit was continued south to the fence line to a depth of approximately 6 feet bgs. Bedrock was encountered on the northern sidewall of the excavation. No staining or odor was observed in the excavation. No foundation was observed, however, concrete debris was encountered in the excavation. The excavated soil was field screened using Petroflag® and confirmation samples were sent off site. The Foundation 1 excavation was backfilled and compacted. A field sketch of excavation and sampling locations is presented in Figure 2-10.

One bottom sample was collected to confirm the remediation goal was met. NAPL, as defined in Section 2.5 of this report, was not encountered in this excavation in the dewatering pump.

2.3.4.2 Foundation 2

Copies of the facility conditions maps which show the site area were reviewed and were provided in Appendix B of the NTCRA Work Plan (TtNUS, 2007a). Also provided with some of these maps was an index of the structures on or adjacent to the site. The information in these indexes was obtained from master indexes which accompanied several of the maps.

According to the index of structures for a 1967 facilities map, Buildings 134, 135, 136, and 137, located west of Building 144, were used as simulated ship structures as part of the Fire Fighter Training School (Navy, 1967). In the index of structures for a 1969 facilities map, the four buildings were listed as training mock ups, with all but Building 135 designated inactive. The excavation of Foundation 2 was intended to uncover any remaining foundations associated with former Buildings 134 through 137 to determine if storage tanks and/or fuel and drainage piping were still present. In addition, the index of structures from four maps dated between 1948 and 1969 list the uses of Building 126 as follows:

- Gas Instruction Building (June 30, 1948)
- Classroom (August 31, 1959)
- Storage (October 27, 1967)
- Storehouse (July 31, 1969)
- (Navy, 1948; Navy, 1959; Navy, 1967; Navy, 1969)

Test pit investigation of Foundation 2 (west of Building 144) began on February 6, 2008, exposing the southeastern corner of former Building 135. During excavation, two 4-inch-diameter cast iron pipes running north-south were encountered. A total of five soil samples were collected during excavation; three samples from stockpiled material (samples F2-01 through 03) and two additional samples from beneath the piping (samples F2-05 and F2-06.) Further excavation in this area of the site was delayed due to constraints with stockpiled material and interference with the west entrance to the site.

Global returned to this area on April 18, 2008 and completed the test pit investigation of the entire former Building 135 foundation. A total of ten soil samples (samples F2-135-01 through F2-135-10) were collected from the perimeter excavation around Building 135 at a depth of approximately 6 feet bgs. An additional three soil samples were collected stockpiled material (samples F2-135-SP01 through F2-135-SP03).

Global excavated the area around former Building 134 (east of former Building 135) on April 29, 2008 in a similar manner as former Building 135. A test excavation was conducted and concrete and building debris was encountered that was presumed to be the demolished foundation of former Building 136 (west of former Building 135.) A portion of concrete foundation prevented excavation of a section of trench between former Buildings 134 and 135. The southeast corner of former Building 134 was not excavated due to the presence of active utilities, the perimeter fence and site entrance constraints.

A total of seven soil samples (samples F2-134-01 through F2-134-07) were collected around the perimeter excavation at a depth of 6 feet bgs. Another two soil samples (samples F2-134-SP01 and F2-134-SP03) were collected from the stockpiled material. Field screening these excavations indicated all locations were below the 2,500 ppm screening criteria, with the exception of F2-135-08 and F2-135-10. Field screening performed on soil samples collected from stockpiles indicated TPH below the 2,500 ppm TPH screening criteria, with the exception of F2-135-SP03. However, laboratory analysis of this sample indicated levels of TPH below the applicable criteria and this material was also used for backfill. Field sketches of excavation and sampling locations are presented in Figures 2-11 through 2-13.

NAPL, as defined is Section 2.5 of this report, was not encountered in this excavation in the dewatering pump.

2.3.4.3 Foundation 3 and Associated Piping

It was reported that the two buildings (Buildings 132 and 133) known as "Carrier Compartments" (Figure 2-1) had a water/oil mixture injected into them which was set on fire for fire fighting practice.

Underground piping reportedly carried the water/oil mixture to the buildings and from the buildings to the oil-water separator shown on the figure.

Forty-nine bottom samples and 10 sidewall samples were collected to confirm the remediation goal was met. NAPL, as defined is Section 2.5 of this report, was not encountered in this excavation in the dewatering pump. A summary of activities is presented in the following sections.

2.3.4.3.1 Foundation 3

The Foundation 3 Area excavation (immediately south of Area B2) uncovered and removed two remnant underground concrete structures suspected to be oil/water separators/settling tanks and underground piping connecting the tanks. The underground piping was later determined to be part of the drainage system that conveyed water generated by fire fighting training from the concrete apron where the above ground burn tanks were located to the oil/water separators/settling tanks.

Excavation of Foundation 3 began on February 11, 2008. Two concrete structures, later determined to be oil/water separators (OWS) were encountered. The Area B2 drain pipe entered the northern wall of the western structure. A hole was observed in the eastern wall of the western structure and western wall of the eastern structure. However, no connecting pipe was found between the two structures. A 12-inch cast iron pipe was observed exiting the eastern wall of the eastern structure. The pipe contained oil residue. The pipe extended to the east and then elbowed south. The pipe was subsequently removed during the tracking of the Foundation 3 piping as detailed in Section 2.3.4.3.2. The top of the western structure was not present and it appeared to be filled with soil and concrete debris. The eastern structure had a weathered and damaged concrete top. A small section of the concrete top was removed which revealed the interior filled with soil stained with oil. Oily water was observed exiting the holes on the western and eastern walls of the eastern structure. Visual soil staining, petroleum odor, and sheens were observed in the soil and groundwater adjacent to the oil-water separators.

On February 12, 2008, excavation of OWS continued. The tops of the two suspected concrete oil/water separators/settling tanks were uncovered and removed. The eastern tank top consisted of stained damaged concrete. The western tank top was not present and soil in the tank was removed. Approximately 2 to 3 feet of oily debris and saturated soil in the bottom of each of the two tanks was removed and placed in the soil stockpile. A v-notch concrete baffle/weir was observed in the center of the western tank adjacent to where the B2 pipe entered from the north.

On February 13, 2008, the walls of the two OWSs were demolished and removed. The oil-stained concrete debris was stockpiled in the soil stockpile area and covered with polyethylene sheeting. Due to heavy rains, removal of the base slabs was delayed.

On February 15, 2008, removal of the OWS was completed. All concrete and soil was segregated and placed in the stockpile area. The bottom of the excavation beneath the tanks was observed to be fractured bedrock. In addition, the southern sidewall also consists of bedrock at varying depths. No bottom samples were collected where bedrock was present. All field screening results from the Foundation 3 excavation were below the 10,000 ppm TPH screening criteria. A field sketch of excavation and sampling locations is presented in Figure 2-14.

2.3.4.3.2 Drainage Piping Associated with Foundation 3

On February 25, 2008, excavation began following the 12-inch diameter cast-iron piping south from Foundation 3. This piping led south to a long, east-west drainage pipe system later determined to be the drain collecting water/fuel from above-ground burn tanks. This piping was 12-inch diameter cast iron that led to a tee-fitting, which collected flow from the eastern and western portions of the pad. The depth of the tee was approximately 6 feet bgs and the end of each leg of the drainage system was found at approximately 6 inches bgs at the far eastern and western ends of the former pad. An oily residue was noted in the 12-inch diameter pipe during removal. No visual indications of the concrete pad were encountered.

Additionally, no laterals leading into this drainage pipe were found, other than the piping denoted as the Drainage Pipe Northeast, that was later determined to lead to the former location of Building 132 (Test Pit 1). Global also encountered a concrete pad with a 1-inch diameter pipe 85 feet east of the tee fitting that may have been a fill stand or drainage pipe into the larger system. The pipe entered and exited the concrete structure, which was filled with sand. The concrete structure was removed during excavation and no stained soil was present beneath or surrounding the structure. Forty feet west of the tee fitting were two 8-inch diameter cast-iron pipes running north-south, but based on historical drawings, were not associated with the drainage pipe system. These pipes were denoted "Drainage Pipe South," but were later identified as the probable fresh and salt water piping leading north to a former fill-stand location.

The excavation was performed in three phases - the eastern portion of the pipe to approximately 130 feet from the tee, the entire western portion of the pipe 233 feet from the tee and Drainage Pipe South, followed by Area VP3 (a short trunk off of the main drainage pipe), then the remaining eastern portion of the system.

Initial screening in all portions of these excavations indicated all locations were below the 2,500 ppm TPH screening criteria. Three stockpiles were created along the western portion, one stockpile along the eastern portion, and one stockpile created during the removal near area VP3. Screening performed on soil samples collected from these stockpiles indicated TPH below the 2,500 ppm screening criteria. Field sketches of excavation and sampling locations are presented in Figures 2-15 through 2-18.

2.3.5 Supplemental Exploratory Excavations (Test Pits)

Eighteen supplemental exploratory excavations, or test pits, with varying surface dimensions were excavated at locations selected by the EPA and RIDEM. The supplemental exploratory excavations were intended to investigate the location of additional unknown sources of petroleum contamination or confirm concentrations of petroleum previously measured. Test pits were not intended to determine the extent of observed petroleum contamination. These test pits were for informational purposes only and excavated material was immediately replaced if soils met the backfill objectives as determined by Petroflag® screening results. Test pits 1 through 12 were requested by EPA and test pits 13 through 18 were requested by RIDEM. Rationale for each test pit is presented in the Table 2-1. Test pit locations are depicted on Figure 2-1.

All test pit excavations included visual examination, and sample collection for field screening and laboratory analysis. When groundwater was encountered, excavations were left open overnight to recharge groundwater. An oil water interface probe capable of measuring 1/8-inch of floating product thickness was used to confirm that no measurable product was present in any of the test pits after 24 hours. Test pits were backfilled with the excavated soils. The following presents a summary of the test pit rationale and findings. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2. Photos are presented in Attachment C.

2.3.5.1 TP1

Excavated TP1 on the western and northern sides of former Building 132, uncovered a 6-inch cast iron pipe. The pipe contained petroleum stained soil, however, the bedding material did not exhibit visual staining or odor; the pipe was subsequently removed. Also removed was a suspected 2-inch fuel line that ran south from the pipe into the former Building 132. No foundation was encountered during TP1 excavation. A few 6-inch pieces of concrete that may be remnants of the former Building 132 foundation were encountered. The test pit was continued to the water table; no free product or evidence of petroleum staining was observed on the deep soils and groundwater. Four bottom samples were collected along the test pit at 10-foot intervals for Petroflag® field screening. Field screening in all portions

of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.2 TP2

Two pits were excavated at the suspected location of former Building 133 between the B1 and B2 excavations. No piping or foundation was observed at this location. The TP2 pits contained construction debris (bricks, concrete, rebar, glass) similar to the B1 and B2 excavations. The test pit was continued to the water table. No free product was observed. Visual staining and petroleum odor was noted at approximately 5 to 6 feet bgs, as in excavations B1 and B2. One bottom sample and 4 sidewall samples were collected. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.3 TP3

Test Pit 3 was advanced 2 feet into the water just north of former Building 135 and measured approximately 10 feet by 10 feet at the base, and approximately 8 feet in depth. Stained soil from 6 to 8 feet bgs and sheen on the water table was observed. No measureable NAPL was observed. One bottom sample and 4 sidewall samples were collected. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.4 TP4

TP4 was excavated 2 feet into the water table (approximately 8 feet bgs) in a 20 foot by 10 foot area (centered at former soil boring SB511). Petroleum stained soil was observed from 6 to 8 feet bgs. A sheen was observed at the water table. No measureable NAPL was observed. A 12-inch steel pipe believed to be part of the active storm sewer system was observed in the southwestern sidewall of the excavation at approximately 5 feet bgs. The pipe was not opened or removed since it was actively in use. One bottom and four sidewall samples were collected for field screening. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.5 TP5

TP5 was excavated 2 feet into the water table (approximately 8 feet bgs) in a 15 foot by 12 foot area. The southeast corner of TP5 is located approximately 375 feet west of Building 144 and 22 feet north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6 feet bgs and a sheen was present. No measureable NAPL was observed. The excavation was then advanced an additional 2 feet to collect a base sample for field screening. A strong petroleum odor was present in soils greater than 6 feet in depth. Base sample (sample TP-5 B) and sidewall samples (samples TP-5 N, TP-5 S, TP-5 E, and TP-5 W) were collected for field screening on September 2, 2008. Additional base and composite sidewall samples were collected on September 3, 2008 for laboratory analysis at the request of RIDEM. At the request of RIDEM, the excavation was left open overnight from September 2, 2008 to September 3, 2008 to allow the RIDEM representative to examine the test pit. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit with the exception of the base sample (10,300 ppm TPH). The laboratory confirmation result for the base sample was 2,610 ppm TPH Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.6 TP6

TP6 was excavated 2 feet into the water table (approximately 8 feet bgs) in a 17 foot by 10 foot area. The southeast corner of TP6 was located approximately 202 feet west of Building 144 and 39 feet north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6 feet bgs. The excavation was then advanced an additional 2 feet to collect a base sample for field screening. A strong petroleum odor and staining was present in soils greater than 6 feet in depth. A sheen was present at the water table, but no measurable NAPL. Bottom sample (sample TP-6 B) and sidewall samples (samples TP-6 N, TP-6 S, TP-6 E, and TP-6 W) were collected for field screening on September 2, 2008. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Due to the presence of sheen, RIDEM requested an additional composite sample be collected from the stained sidewalls and submitted for diesel-range organics (DRO) and gasoline-range organics (GRO) laboratory analysis. The laboratory confirmation result for the base sample was 3,149 ppm TPH. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.7 TP7

TP7 was excavated 2 feet into the water table (approximately 9 feet bgs) in a 10 foot by 10 foot area (centered at former soil boring SB509). Petroleum stained soil and strong petroleum odor was observed

from 7 to 9 feet bgs. A sheen was present at the water table, but no measurable NAPL. Samples were collected of the bottom and four sidewalls for field screening. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.8 TP8

Excavated midway between TP5 and TP6, TP8 was excavated 2 feet into the water table (approximately 8 feet bgs) in a 15 foot by 10 foot area. The southeast corner of Test Pit 8 was located approximately 284 feet west of Building 144 and 36 feet north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6 feet bgs. The excavation was then advanced an additional 2 feet to collect a bottom sample for field screening. A strong petroleum odor was present in soils greater than 6 feet in depth. Bottom (sample TP-8 B) and sidewall samples (samples TP- 8 N, TP-8 S, TP-8 E, and TP-8 W) were collected for field screening on September 2, 2008. Due to the presence of sheen, RIDEM requested an additional composite sample be collected from the stained sidewalls and submitted for DRO and GRO laboratory analysis. The laboratory confirmation result for the base sample was 3,149 ppm TPH. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.9 TP9

TP9 was excavated 2 feet into the water table (approximately 8 feet bgs) in a 10 foot by 10 foot area (centered at the western terminus of the main drain line). Petroleum stained soil was observed from 6 to 8 feet bgs. A sheen was present at the water table, but no measurable NAPL. A 6-inch clay pipe (already broken) was observed in the southeastern sidewall of the excavation at approximately 7 feet bgs. No oil staining or stained soil was noted in the pipe. Samples were collected of the bottom and sidewalls for field screening during excavation of the Drainage Pipe West, which overlaid the TP9 excavation. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.10 TP10

TP10 was initially excavated to the water table (approximately 6 feet bgs) in a 10 foot by 10 foot area (centered at former SB410). Petroleum stained soil was observed in the bottom of the excavation along with a small amount of construction debris (brick and concrete). Samples were collected of the bottom and four sidewalls for field screening.

On March 25, 2008, TP10 was excavated an additional 2 feet into the water table. Additional petroleum stained soil was observed from 6 to 8 feet bgs. A sheen was present at the water table, but no measurable NAPL. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.11 TP11

TP11 was initially excavated to the water table (approximately 6 feet bgs) in a 10 foot by 10 foot area (centered at former TP2). The active 24-inch RCP drain line was encountered in western portion of TP11 at approximately 4 feet bgs. Petroleum stained soil was observed at the water table (6 feet bgs). Samples were collected of the bottom and four sidewalls for field screening.

On March 25, 2008, TP11 was excavated an additional 2 feet into the water table. A sheen was present at the water table, but no measurable NAPL. Additional petroleum stained soil was observed from 6 to 8 feet bgs. A 6-inch clay pipe (already broken) was observed in the southern sidewall of the excavation at approximately 7 feet bgs. No staining or stained soil was noted in the pipe. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.12 TP12

TP12 was not excavated as the target location was completely excavated during the removal of the OWS in Foundation 3. After discussion and evaluation of available maps, RIDEM and EPA agreed that additional excavation of TP-12 area was not required.

2.3.5.13 TP13

TP13 was not excavated due to the presence of active electrical utilities during the first set of test pit excavations in March 2008. During the second set of test pit excavations in September 2008, the area was being occupied as part of the causeway bridge construction project by heavy equipment including a crane and components of the new bridge.

2.3.5.14 TP14

TP14 was initially excavated to the water table (approximately 6 feet bgs) in a 20 foot by 10 foot area (centered at a suspected saltwater pumping pit). No staining or odor was observed in the excavation. The concrete structure or suspected saltwater pumping pit was encountered and removed in order to

visually observe and sample the soil below the structure. One 4-inch iron or steel pipe was observed entering the structure from the north and intersected an 8-inch iron or steel pipe which ran east-west on the north side of the excavation. No material was observed in the pipes. The structure and pipes match historical drawings showing a saltwater suction line. Samples were collected of the bottom after excavation and four sidewalls for field screening.

On March 25, 2008, TP14 was excavated an additional 2 feet into the water table to observe the groundwater condition. No sheen or NAPL was observed. Bedrock was encountered at approximately 8 feet bgs. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.15 TP15

TP15 was excavated to the water table (approximately 5 feet bgs) in a 10 foot by 10 foot area (centered at suspected salt water pumping pit north of TP10). No staining or odor was observed. No structures or debris was observed during test pit excavation. Samples were collected of the bottom and four sidewalls for field screening. Due to the proximity of TP15 to the shoreline, it was backfilled with native soil after soil samples were field screened and photographs were taken. The test pit was field compacted. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.16 TP16

TP16 was excavated to the water table (approximately 6 feet bgs) in a 10 foot by 10 foot area (centered at the suspected structure associated with the former large circular concrete slab). Bedrock was encountered in the western portion of the test pit. No stained soil or odor was observed. No structures, piping, or debris was present. Samples were collected of the bottom and four sidewalls for field screening. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.3.5.17 TP17

TP17 was excavated 1 foot bgs in a 10 foot by 10 foot area (centered at the suspected salt water pumping pit). Bedrock was encountered 1 foot bgs. Groundwater was not encountered. No pumping pit

was found. No signs of petroleum contamination were observed; no samples were collected for field screening.

2.3.5.18 TP18

TP-18 was requested by RIDEM to confirm that an underground storage tank (UST) shown in historical drawings in this area had been previously removed. Due to utilities identified within the proposed test pit limits three trenches were excavated rather than one large test pit within the former UST location.

Each of the trenches was excavated in an east-west orientation approximately 30 inches wide and 18 feet in length. Test pits were identified as ST (south trench), CT (center trench), and NT (north trench). Groundwater was encountered at approximately 7 feet bgs in each trench. A sheen was observed, however no measurable NAPL was present. The south trench had traces of concrete brick and metal debris beginning at 1 foot bgs and extending to the bottom of the excavation at 8 feet. Bedrock was encountered 2 feet bgs at the eastern end of each trench. Based on the location of a sewer main present in this location and the presence of bedrock, it is believed that the tank's former location was directly south of the south trench (which was inaccessible due to the fence and road; however, there was no evidence of a tank remaining at this location. Base and four sidewall samples were collected from each trench. Field screening in all portions of the excavation indicated all locations were below the 10,000 ppm TPH action limit. Field screening data is presented in Table 3-1 and laboratory confirmation data in Table 3-2.

2.4 LEAD-CONTAMINATED SOIL CHEMICAL FIXATION

A total of 1850 cubic yards of petroleum-contaminated soil was generated during the NTCRA conducted at the OFFTA site. Soil sampling conducted for waste disposal purposes revealed concentrations of total lead exceeding the Massachusetts Landfill Limit of 2000 ppm and levels of lead exceeding the RCRA Total Characteristic Leaching Procedure (TCLP) limit of 5 mg/ liter.

Elevated lead (180-4770 ppm lead) concentrations were detected in some excavated soils during waste characterization sampling for off-site disposal. Based on TCLP metals analysis, approximately 1,100 cubic yards of the stockpiled soil did not meet requirements for disposal at the proposed disposal facility, Taunton Landfill, due to hazardous lead concentrations. Based on previous data collected during the RI, Area B2 was shown to contain elevated levels of lead. To resolve this issue, Global treated the lead-contaminated soil on site using a chemical fixation technique and then re-characterized soil for disposal.

Chemical fixation modifies the chemical structure of contaminants by applying specific reagents. The fixation process immobilizes the contaminants in-place, thereby preventing leaching into unaffected environmental media. The United Retek propriety chemical fixation system for leachable lead was employed by Global.

On March 19, 2008, Global began chemical fixation of the lead-contaminated soils on site. United Retek representatives were on site to provide oversight for the treatment process. The stockpiles were measured and a grid was placed to evenly distribute the chemical agent during the mixing process. A 2,000-pound "super-sack" of application of chemical reagent was opened and mixed within each approximate 100-cubic-yard soil pile. The chemical reagent, which is a white granular material, was thoroughly mixed with each stockpile using an excavator. Six stockpiles were treated in this manner. On March 20, 2008, Global completed chemical fixation of the remaining lead-contaminated soil stockpiles. At the completion of mixing, a composite sample of the treated soil was collected from each pile and shipped off site for TCLP and total lead laboratory analysis.

Post-stabilization samples were collected at a frequency of one soil sample per approximately 100 cubic yards. All post-stabilization soil samples were submitted for total and TCLP lead analysis on a 3-day turnaround basis. Following receipt of analytical results indicating that levels of TCLP lead were below the applicable criteria of 5 mg/L, documentation for disposal at the Waste Management Taunton, Massachusetts landfill was prepared and this material was transported off-site for disposal as landfill cover.

Treated waste stockpile WCT-04 exceeded the total lead concentration for disposal at Taunton Landfill and was disposed of at the Turnkey facility in Rochester, New Hampshire. The quantity of soil disposed of at the Turnkey landfill, 283 tons, or approximately 200 cubic yards, is greater than WCT-04 approximate 100-ton treatment stockpile size. Additional material was disposed of because treatment stockpiles overlapped. To ensure that all treated soil with total lead exceeding the Taunton landfill disposal requirements was disposed of properly, additional soil from the treated stockpiles surrounding WCT-04 was included in the soil disposed of at Turnkey landfill.

A total of approximately 1,040 tons of chemically fixated soil subsequently was found to meet disposal requirements and was transported to Waste Management's Taunton Landfill in Taunton, Massachusetts under non-hazardous waste manifest for disposal as RCRA D waste. A total of approximately 285 tons of chemically fixated soil was transported to Waste Management's Turnkey facility in Rochester, New Hampshire under non-hazardous waste manifest for disposal as RCRA D waste. Stockpile waste characterization results are presented in Table 2-2. Stockpile treatment results and disposal is

summarized in Table 2-3. Pre- and post-treatment TCLP and total lead results are included in Attachment A, Appendix K.

2.5 NON-AQUEOUS PHASE LIQUID REMOVAL

During excavation, measurable oily NAPL was encountered on the water table in the Area B2 excavation. The presence of measurable NAPL on the water table is considered an exceedance of an upper concentration limit in accordance with RIDEM Remediation Regulations Sections 8.07(A) and 3.43. Based on a position paper submitted by the Navy to RIDEM, measurable NAPL is determined by the thicknesses of non-aqueous liquid 0.25 inches or greater, as measured by an oil-water interface probe, therefore the presence of sheen on standing water is not considered as measurable NAPL. This does not meet the RIDEM regulations that define any sheen as measurable NAPL.

When NAPL was encountered in standing water during excavation, the Navy was notified, and Global was directed to remove that material by pumping the NAPL layer from the excavation into temporary storage tanks located at the site, along with the groundwater suspected to be contaminated. Global continue pumping groundwater contaminated with non-aqueous phase liquid until directed to stop by the TtNUS on-site representative.

After the limits of the excavation had been reached, the excavation was allowed to remain open and recharge overnight to see if additional NAPL accumulated into the excavation. If measurable NAPL appeared, that material and the associated groundwater was to be removed at the direction of the Navy or their representative and the excavation again allowed to return to a steady state condition. This process was to be conducted for a maximum of three cycles at the Navy's direction prior to backfill. According to the work plan, if NAPL continued to seep out of adjoining soil into an excavated area after backfill, a low-cost passive NAPL collection system was to be installed in the excavation. However, after the first round of pumping and overnight observation, no measurable NAPL was present in the Area B2 excavation and therefore no passive NAPL collection system was required.

If sheen appeared on the standing water within an excavation, oil sorbent pads were applied to the water surface for a period of 6 hours and retrieved prior to back-filling the excavation. Excavation areas where NAPL and/or sheen were observed are discussed above in Section 2.3.

Off site transportation and disposal of NAPL is discussed in Section 2.9.

2.6 DEWATERING OPERATIONS

The majority of excavations conducted at the site extended into the standing water table. Depths of excavation extended up to 10 feet bgs and the water table has been found to be at approximately 6 feet bgs. If excavations needed to be conducted below the water table, dewatering operations were used to control water during work periods. Accumulated water was pumped as needed into temporary storage tanks located on site. Dewatering was conducted after approval of the Navy only for the purpose of meeting the RA objectives.

Off site transportation and disposal of dewatering liquid generated during excavation is discussed in Section 2.9.

2.7 EXCAVATED MATERIALS STAGING

Excavated materials were staged at the temporary staging area in separate stockpiles based on the media type and field screening results. The temporary staging area was maintained by Global daily. The stockpiles were covered with polyethylene sheeting while not in use. Excavated soils remained in the staging area until waste characterization sampling and analysis was complete.

2.8 BACKFILL

Crushed stone (314 tons) installed below the water table for a stabilization layer was imported to the site from Attleboro Sand and Gravel in Attleboro, Massachusetts. 1,261.62 tons of backfill material and 1,027.98 tons of topsoil material, meeting the standards of clean fill, were imported to the site from JAM Materials in Middletown, Rhode Island.

The excavated areas were backfilled with imported common borrow material (surface 2 feet) and existing soil reused from the on-site excavations (below 2 feet). Soil backfilled into the upper 2 feet of the site was imported from off-site sources and TPH levels did not exceed 500 mg/kg; soil used to backfill portions of the excavation greater than 2 feet did not exceed 2,500 mg/kg TPH. Imported common borrow was a clean, unclassified material with soil characteristics that allow it to be compacted to 95 percent of ASTM D698. The material had a 6-inch maximum particle size and was free of debris, roots, wood, scrap metal, vegetation, refuse, soft unsound particles, and frozen, deleterious, or objectionable materials. Backfill material was installed such that the clean soil did not come in contact with material that remained to be excavated. Backfill material was placed in 1-foot lifts followed by compaction with a vibratory roller. In-place density testing of the compacted backfill was performed at each excavation area to demonstrate that the backfill achieved 85 percent of ASTM D698. In excavation areas that required backfill be

installed below the water table, stone and geotextile was installed to the top of the water table to stabilize the excavation for backfilling. Imported backfill and topsoil material analytical results are presented in Appendix J of Attachment A.

2.9 OFF-SITE DISPOSAL

Excavated soils exceeding 2,500 mg/kg TPH were disposed off site following receipt of waste characterization analytical results and approval of a disposal facility.

Soil that was designated for off-site disposal was loaded from the temporary stockpile area onto disposal trucks accessing the site using the haul road. The disposal trucks were loaded by an excavator that remained in the stockpile area. All transportation and off-site disposal activities were in accordance with local, state, and federal regulations.

The waste streams generated during remediation activities and disposed of off site are as follows:

- The 58,630 gallons of liquid waste generated during dewatering were characterized and disposed of at New Stream LLC in Attleboro, Massachusetts under non-hazardous waste manifest.

- The 1,725 gallons of oil and liquid waste generated during dewatering were characterized and disposed of at Cyn Oil Corporation in Stoughton, Massachusetts under hazardous waste manifest.

- The 426.28 tons of concrete debris generated during the demolition of the subsurface structures were recycled at JAM Materials in Middletown, Rhode Island under bill of lading.

- The 73.3 tons of petroleum-contaminated concrete and debris generated during the demolition of the underground oil/water separators were disposed of at Waste Management's Turnkey Landfill in Rochester, New Hampshire under non-hazardous waste manifest.

- The 282.82 tons of petroleum-contaminated soil that did not meet requirements at Waste Management's Taunton Landfill were disposed of at Waste Management's Turnkey Landfill in Rochester, New Hampshire under non-hazardous waste manifest.

- The 1,757.46 tons (including the 1,040 tons of chemically fixated soil) that met disposal requirements were disposed of as RCRA D soil at Waste Management's Taunton Landfill in Taunton, Massachusetts under non-hazardous waste manifest.

Remaining soils less than 2,500 mg/kg TPH and meeting other standards for on site reuse were used as backfill material on site.

2.10 SITE RESTORATION

The site was restored to its pre-removal site condition by installing a layer of topsoil over the disturbed areas and seeding the areas.

The 40-mil polyethylene liner and silt fence was removed from the temporary staging area prior to restoration. The site access roads were left in place per Navy direction.

2.11 DEMOBILIZATION

Following completion of the construction activities, all temporary facilities and utilities, personnel, equipment, and materials were removed from the site and the support zone area was restored. Construction equipment was decontaminated before leaving the site.

2.12 MAJOR MILESTONES

Table 2-4 summarizes the major milestones in the Remedial Action at the OFFTA Site.

2.13 MAJOR WORK PLAN DEVIATIONS

Major work plan deviations and rationale are described below.

- The manhole structure, designated Area C in the work plan, was not removed. After investigation of the interior of the manhole and review of historical drawings, it was believed to be a water valve pit. Excavation was conducted around the manhole structure to expose the pipes entering and exiting the chamber. The pipes were cold-tapped and found to be empty. Soil samples of the excavated spoils piles were collected and submitted for laboratory analysis. All samples were below the action limits. Based on this, EPA and RIDEM agreed with the Navy that the area did not contain petroleum and did not require further excavation or sampling.

- Sections of the Area B1 and B2 pipes were left in place, capped on both ends with hydraulic cement, instead of being removed. The sections left in place were located in the berm along the shoreline. It was determined that due to tidal fluctuation and potential for releasing petroleum contamination to the waterway, the best management practice would be to not disturb the berms

by excavating to access the piping and to cap the small sections in place. As part of the new revetment construction, the two sections will be removed.

- Although 10-cubic-yard cast piles were planned in the Work Plan, prior to the RA it became apparent that due to space limitations, this size stockpile was not practicable in the field for the quantities of soil actually requiring excavation. Therefore, the Statement of Work (SOW) issued for the RA subcontract specified that the Remedial Contractor would submit "a plan to segregate excavated soil and debris into stockpiles at a designated on-site Staging Area of like materials in 100-cubic-yard piles" (SOW, page 3, Section 2.2). Since exact stockpile volume measurements were not available in the field, volume estimates were used during stockpiling activities. Stockpiles, at approximately 150 CY, were larger than the 100 CY specified in the RA Work Plan.

- Cast piles were not field screened using a flame ionization detector (FID). Due to the cold weather conditions that occurred during the RA, it was determined that FID field screening would not be feasible. The FID does not perform consistently in cold weather conditions and was only to be used for initial field screening. All samples collected were field screened with the Petroflag field screening kit, which provided a more representative indication of petroleum contamination than FID field screening.

- Prior to the RA it became apparent that the sampling sequence for confirmation samples as required in the Work Plan was not practicable in the field. Therefore, the SOW issued for the RA subcontract specified the following regarding sidewall confirmation sampling: "Side wall samples: The composite sample will be taken by obtaining soil aliquots along a vertical transect from the bottom to top of excavation. Collect one aliquot at a 1-foot vertical interval".

3.0 SCREENING AND ANALYTICAL RESULTS

All confirmation samples collected at OFFTA were field screened on site by Global using Petroflag® petroleum screening kits. All split samples collected at OFFTA by TtNUS were shipped via courier to Mitkem Corporation in Warwick, Rhode Island for analysis. All split samples collected at OFFTA by Global Remediation were shipped via courier to ESS Laboratories in Cranston, Rhode Island. Petroflag® field screening results are summarized below and Table 3-1. Laboratory analytical results versus Petroflag® field screening results are summarized below and Table 3-2. Data comparability of the split samples collected by TtNUS is summarized below and Table 3-3. Global Remediation's analytical laboratory reports can be found in the Appendix A of Attachment A and TtNUS's analytical laboratory reports are provided in Attachment B.

3.1 EXCAVATION ANALYTICAL DATA

Completion screening samples using Petroflag® petroleum screening kits was conducted within 12 hours of sample collection. 10 percent of all screening samples were confirmed through laboratory analysis per the Work Plan.

Confirmation testing was conducted by an off-site analytical laboratory using EPA Method 8015 modified for extractable hydrocarbons C-9 through C-36 (DRO) by gas chromatograph. Based on historical sampling at OFFTA, very low soil concentrations of GRO were anticipated. Therefore, initially laboratory analysis for DRO was only performed. Based on discussion with the RIDEM and EPA representatives, soil samples submitted starting February 19, 2008 were also analyzed for GRO by gas chromatograph to obtain TPH results.

Applicable criterion for this project was TPH detected at 10,000 mg/kg by the Petroflag® Analyzer System with confirmation laboratory sampling described in this section. All sample locations that exceeded 10,000 mg/kg were resampled for confirmation by laboratory analysis. Completion screening samples in all excavations were collected by Global at a frequency of 20 lineal feet on each side wall and at the bottom of the excavation on a 10-foot grid. Exceedance of applicable criteria required excavation to continue a minimum of an additional 5 feet horizontally (if side wall is exceeded) and 1 foot vertically (if bottom sample is exceeded).Completion screening results were confirmed with samples for laboratory analysis.

Screening sample analysis was conducted on site in accordance with the manufacturer's instructions for analysis of samples, including appropriate quality control (QC) procedures, duplicate sample analyses and other requirements. Any issues raised by QC procedures (suspected erroneous results) either due to analyst error or matrix interferences were brought to the attention of TtNUS for resolution as soon as any

issues were identified. One in ten samples was analyzed in duplicate to determine accuracy of the analysis. In addition, one in ten samples was also split for confirmation laboratory analysis.

Each screening completion sample was collected as a minimum three-point composite. For sidewall samples, the composite sample was taken by obtaining soil aliquots along a vertical transect from the bottom to top of excavation. One aliquot was collected at each 1-foot vertical interval. For bottom samples, the composite sample was taken by obtaining soil aliquots within 3 feet of the associated grid point and sampled to a depth of 2 inches below the excavated grade. Global provided all analytical results to TtNUS for review within 24 hours of collection.

If the soil excavation action levels were not attained based on either analytical result, as directed by TtNUS, Global expanded the excavation laterally outward by a minimum of 5 feet in the direction of the sidewall result(s) that failed the criteria. Bottom samples that failed action levels required excavating an additional one foot in depth, however, excavations were not continued more than 2 feet below the standing water table as determined by the TtNUS site representative.

After re-excavation, Global re-sampled in accordance with this section. A discussion of field screening and laboratory analytical results is presented below and summarized in Tables 3-1 and 3-2.

3.1.1 Area A

No field screening or laboratory confirmation sample results exceeded the 10,000 parts per million (ppm) TPH action limit.

The following soil samples exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Bottom soil sample OFFTA-A-B4 (2,584 ppm TPH field screening);
- Bottom soil sample OFFTA-A-B8 (5,202 ppm TPH field screening) with a corresponding laboratory DRO concentration of 3,110 ppm;
- Bottom soil sample OFFTA-A-B15 (4,504 ppm TPH field screening) with a corresponding laboratory DRO concentration of 2,450 ppm;
- Bottom soil sample OFFTA-A-B16 (2,674 ppm TPH field screening) with a field duplicate field screening results of 378 ppm TPH; and
- Bottom soil sample OFFTA-A-B17 (8,090 ppm TPH field screening).

3.1.2 Area B1

No field screening or laboratory confirmation sample results exceeded the 10,000 ppm TPH action limit.

The following soil sample exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Bottom soil sample OFFTA-B1-B4 (4,470 ppm DRO) with a corresponding field screening concentration of 2,227 ppm TPH.

3.1.3 Area B2

No field screening or laboratory confirmation sample results exceeded the 10,000 ppm TPH action limit.

The following soil samples exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Sample OFFTA-B2-B0, collected from the end of the pipe during removal of the section along the shoreline (5,520 ppm DRO laboratory result) with a corresponding field screening results of 2,312 ppm TPH;
- Bottom soil sample OFFTA-B2-B4A (TPH field screening above instrument range). Sample OFFTA-B2-B4B was a sample dilution (7,635 ppm TPH field screening) collected after additional excavation. The laboratory confirmation result for OFFTA-B2-B4A however was 659 ppm TPH; and
- Sidewall soil sample OFFTA-B2-S4A (TPH field screening above instrument range). Sample OFFTA-B2-S4B was a sample dilution (9,155 ppm TPH field screening) collected after additional excavation. However, the laboratory confirmation result for OFFTA-B2-S4A was 2330 ppm TPH.

3.1.4 Area C

Area C was excavated in order to cold-tap the water lines in the valve pit manhole structure. Two samples of the spoils piles were collected. The field screening results were below 200 ppm TPH and laboratory confirmation results were below 60 ppm DRO.

3.1.5 Area D

No field screening or laboratory confirmation sample results exceeded the 10,000 ppm TPH action limit.

Bottom sample D220-60 was field screened and an error (beyond the range of the reader) was encountered initially. After sample dilution, the sample was reanalyzed with a result of 3,550 ppm TPH (with the dilution accounted for.) The laboratory analysis confirmation sample was 623 ppm DRO. The remaining samples in Area D were below the 2,500 ppm TPH action limit for petroleum-impacted soil.

3.1.6 Foundation 1

All soil samples were below the 500 ppm TPH unrestricted reuse action limit.

3.1.7 Foundation 2

One bottom sample, OFFTA-F2-135-08, located along the eastern side of former Building 135, exceeded the 10,000 ppm TPH action limit with a field screening concentration of 16,430 ppm TPH. Floating free product was measured in this area upon initial excavation into the water table. The corresponding laboratory confirmation analysis results were 3,470 ppm DRO and 473 ppm GRO (3,943 ppm TPH) which is below the 10,000 ppm TPH action limit. After dewatering, no measurable floating free product was observed the following day.

The following soil samples exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Bottom soil sample OFFTA-F2-135-10 (6,770 ppm TPH field screening) with a corresponding laboratory DRO concentration of 2,340 ppm and GRO concentration of 176 ppm (2,516 ppm TPH); and
- Spoil pile SP03 (sample OFFTA-F2-135-SP03) (4,802 ppm TPH field screening) with a corresponding laboratory DRO concentration of 2,070 ppm and GRO concentration of 179 ppm (2,249 ppm TPH).

3.1.8 Foundation 3 and Associated Piping

Two samples, OFFTA-F3-EP-01 and OFFTA-F3-WP-01, cast piles from the excavation of the OWS, exceeded the 10,000 ppm TPH action limit with laboratory confirmation concentrations of 36,500 ppm DRO and 3.76 ppm GRO (36,503 ppm TPH) and 41,700 ppm DRO and less than 1.83 ppm GRO (41,700 ppm TPH), respectively. These cast piles were segregated from the remaining stockpiled soil and shipped offsite to the appropriate disposal facility based on waste characterization results. Field screening results were above the range of the Petroflag® analyzer.

Samples were collected at two points inside the 8-inch cast iron pile exiting the eastern wall of the OWS (OFFTA-F3-P1 and OFFTA-F3-P2). Both samples were field screened with results above the range of the Petroflag® instrument. A sample dilution was performed on both samples, with results still above the range of the Petroflag® instrument. The drain pipe was subsequently removed and the soil beneath was sampled and found to be below the 10,000 ppm TPH action limit.

The following soil samples exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Sidewall soil sample OFFTA-F3P-S1 (2,634 ppm TPH field screening) with a field duplicate screening value (OFFTA-F3P-S1D) of 651 ppm TPH; and
- Sidewall soil sample OFFTA-F3-S10 (4,900 ppm TPH field screening), collected west of the removed OWS.

3.1.9 Supplemental Exploratory Excavations

One bottom sample, OFFTA-TP5-B exceeded the 10,000 ppm TPH action limit with a field screening concentration of 10,300 ppm TPH. The corresponding laboratory confirmation analysis results were 2,340 ppm DRO and 270 ppm GRO (2,610 ppm TPH) which is below the 10,000 ppm TPH action limit.

The following soil samples exceeded the 2,500 ppm TPH action limit for petroleum-impacted soil:

- Bottom soil sample OFFTA-TP3-Base (2,540 ppm TPH field screening) with a corresponding laboratory DRO concentration of 2,600 ppm and GRO concentration of 135 ppm (2,735 ppm TPH);
- Bottom soil sample OFFTA-TP10-B (2,520 ppm TPH field screening);
- Bottom soil sample OFFTA-TP18-CT-B (6,610 ppm TPH field screening);
- Bottom soil sample OFFTA-TP18-ST-B (9,900 ppm TPH field screening);
- Composite sidewall sample OFFTA-TP6-Comp Side with a laboratory TPH concentration of 3,149 ppm TPH; and
- Composite sidewall sample OFFTA-TP8-Comp Side with a laboratory TPH concentration of 2,535 ppm TPH.

3.2 PETROFLAG® AND SPLIT SAMPLE ANALYTICAL RESULTS COMPARISON

Table 3-2 presents ratio calculated between Petroflag® field screening results and laboratory TPH results. Overall, the Petroflag® field screening was biased high at a ratio of 2.65 times greater than the corresponding laboratory TPH results. Figure 3-1 plots the Petroflag® field screening versus laboratory TPH results.

No specific comparison criteria were required for split samples in the Work Plan. However, in order to assess the comparability of the oversight soil sample results with the Subcontractor's results, the percent difference (%D) was calculated using results for each split sample. A total of five split samples were analyzed for TPH analysis. The %D was calculated using the following equation, presented in the December 1996 revision of the EPA Region I Data Validation Manual (page DV MANUAL-23 of Part I):

$$\%D \text{ (split sampling)} = \frac{C_1 - C_2}{(C_1 + C_2)\ 0.5} \times 100$$

Where:

C1 = Concentration determined by oversight analysis

C2 = Concentration determined by PRP Contractor Analysis

(Note that this equation retains the sign, not the absolute value of the %D).

Split sample results with a percent D of 50% or less were considered comparable. Non-detected results are considered comparable.

Relative averages and %D for the split samples are presented in Table 3-3. Three of the five split sample results are comparable. Only ten percent of field screening samples were submitted for laboratory analysis by Global (48 samples, not including excavation cast piles), and of those, only 10 percent of Global's laboratory samples were split with TtNUS (5 samples). In addition, TtNUS submitted 11 samples co-located with the field screening samples for laboratory analysis. These samples were not split samples. Due to the small subset of split samples, the %D calculation may not be statistically valid.

A comparison of all Petroflag screening data versus laboratory confirmation data shows that the majority of laboratory sample results above the 2,500 mg/kg action limit had a corresponding Petroflag screening result higher than the laboratory result. This indicated petroleum-contaminated samples having field screening results that were biased high, in general, which resulted in a more conservative removal.

3.3 SOIL STOCKPILE CHARACTERIZATION ANALYTICAL DATA

The following sampling approach was used by Global Remediation for characterization of soil stockpiles. For every 150 cubic yards (CY) of soil, a grab sample was collected from at least four quadrants and composited as a representative sample of that 150-CY-portion. A minimum of two grab samples, but usually three grab samples were collected from each quadrant for compositing. The samples were collected at a minimum depth of 6 inches below the surface. At approximately 150 CY, stockpiles,were larger than the 100 CY specified in the RA Work Plan. Exact stockpile volume measurements were not available in the field and estimates were used during stockpiling activities.

Each waste characterization sample was analyzed for Toxicity Characteristic Leaching Procedure (TCLP) volatile organic compounds (VOCs), TCLP semivolatile organic compounds (SVOCs), TCLP pesticides/herbicides, TCLP metals, polychlorinated biphenyls (PCBs), Total Petroleum Hydrocarbons (Total C9-C36 hydrocarbons) and any other analyses required to facilitate disposal.

Global Remediation generated waste profiles of the material for the disposal facilities based on laboratory analytical data, and prepared all transportation documentation, including Bills of Lading and Manifests for signature by the Navy.

3.4 IMPORTED SOIL ANALYTICAL DATA

All soils brought to the site were certified as clean materials, with contaminant concentrations not exceeding RIDEM Direct Exposure Criteria for residential use soils (DEM DSR-01-93, Amended February 2004, Section 8.02). In addition, offsite soils contained less than 100 ppm total petroleum hydrocarbons (TPH) (EPA Method SW-846 Method 8015M) and less than 10 ppm of the sum of benzene, toluene, ethylbenzene and xylenes (BTEX) (EPA Method SW-846 Method 5030/8020). Materials were not brought on site until test results were approved by TtNUS. Test results are provided in Appendix J of Attachment A.

3.5 PERFORMANCE STANDARDS AND CONSTRUCTION QUALITY CONTROL

Concrete sampling for offsite disposal was conducted in accordance with EPA Region I's Draft SOP for Sampling Concrete in the Field (December 31, 1997) included as Appendix H of the Work Plan. One concrete sample, WS-1, was collected and submitted for total metals, VOCs, DRO, GRO, PCBs, SVOCs and corrosivity analysis. All sample results met disposal criteria. Concrete sample results are included in Appendix D of Attachment A.

No post-remedial-action baseline sampling was conducted at the OFFTA site because backfill placed from 0 to 2 feet bgs in the excavated areas was from a clean off-site borrow source. Sample results from the off-site fill and topsoil are included in the Remedial Action Completion Report for review.

All material handling requirements in Section 8.0 of the Work Plan were met during the remedial action. A dedicated haul road was constructed of geofabric and gravel and trucks were loaded on the haul road to minimize potential for contact with contaminated materials. A decontamination pad was constructed along the haul road before the entrance to the west of Building 144. All trucks leaving the site were inspected and decontaminated as required. A stockpile tracking and numbering system was implemented.

Monitoring well abandonment was not performed as part of the OFFTA RA. As no monitoring wells were encountered in the excavation area and monitoring wells near work areas were protected, no deviations from the Work Plan exist.

All manifest packages provided to disposal facilities and to Naval Station Newport personnel for review complied with the requirements specified in Section 10.7.19 of the Work Plan.

Personnel decontamination areas were established at the exclusion zone when an upgrade from Level D to modified Level D or Level C PPE was required during remediation activities. Activities requiring upgraded PPE included sampling of excavations, hydraulic sealing of pipes, and cleaning of frac tanks. An equipment decontamination pad was constructed along the edge of the haul road near the west entrance of the site. The ground surface in excavation areas was found to be free of petroleum products via field screening. No equipment entered petroleum-contaminated excavations, with the exception of the excavator bucket. A gross decontamination of the excavator bucket was performed prior to moving from an excavation and the bucket was then decontaminated at the decontamination pad prior to excavating any clean areas.

4.0 CONCLUSIONS

The objectives of the RA were achieved through the removal and off-site disposal of contaminated soil and debris from the targeted excavation areas, liquid waste from dewatering, liquid waste (oil and water), non-hazardous debris, petroleum-contaminated debris, non-hazardous petroleum-contaminated soil, and RCRA D soil. Confirmation soil samples were collected and analyzed to ensure that cleanup goals had been met for petroleum concentrations in the designated areas.

The RA allowed the further evaluation of subsurface conditions at the OFFTA site, which will assist in the evaluation and development of appropriate alternatives in the Feasibility Study (FS).

Based on field screening and laboratory confirmation sample results, all soils left in place in the excavation areas were below 10,000 mg/kg TPH. NAPL was initially observed in the Area B2 excavation, however, after pumping of NAPL and allowing the excavation to recharge for 24 hours, no measurable NAPL was observed in the excavation. Sheen was noted in the majority of the excavations and test pits as noted in the excavation discussion in Section 2.0.

In addition, waste characterization samples were analyzed to meet disposal facility acceptance criteria. The waste streams generated are as follows:

Summary of Volume of Waste Removed

Remediation Waste Stream	Quantity	Units	Disposal Facility
Petroleum Contaminated Rubble and Debris	73.3	tons	Waste Management (Turnkey Landfill), Rochester, NH
RCRA D Treated Soil Contaminated with Lead and Petroleum	1,040.0	tons	Waste Management (Taunton Landfill), Taunton, MA
RCRA D Soil Contaminated with Petroleum	717.46	tons	Waste Management (Taunton Landfill), Taunton, MA
RCRA D Treated Soil Contaminated with Lead and Petroleum	282.82	tons	Waste Management (Turnkey Landfill), Rochester, NH
Liquid Waste	58,630	gallons	New Stream LLC, Attleboro, MA
Oil and Water Liquid Waste	1,725	gallons	Cyn Oil Corporation, Stoughton, MA

Oil and Water Liquid Waste	150	gallons	Environmental Compliance Corp, Framingham, MA
Rubble and Debris	426.28	tons	JAM Materials, Middletown, RI

The final cost for completion of the remediation was $638,100. A breakdown of the major items is provided below.

Removal Action Cost Breakdown

Item Description	**Total**
Mobilization/demobilization & site preparation	$68,400
Excavation of soil, piping, concrete, sort and stockpile soil and hold for characterization	$131,700
Exploratory test excavations	$104,000
Disposal of non-hazardous soil at Taunton Landfill	$77,300
Disposal of non-hazardous soil at Turnkey Landfill	$25,300
Transport and disposal of liquid waste (oily water, NAPL)	$23,600
Transport and disposal of concrete rubble and debris	$4,400
Transport and disposal of petroleum contaminated debris	$10,000
Field screening samples via Petroflag® field kit	$6,000
Laboratory analysis	$8,600
Excavation dewatering	$9,100
Waste Characterization	$11,200
Import clean fill	$21,800
Backfill	$28,800
Import and place topsoil	$38,800
Import and placement of stone in excavations below water table	$7,400
Health and Safety equipment	$1,100
Chemical fixation of lead contaminated soil	$56,000
Downtime due to regulatory delays	$1,600
Utility location via ground penetrating radar	$3,000
TOTAL COSTS	**$638,100**

All supporting documentation required in the contract documents is provided in the Attachments.

Based on the above information, TtNUS concludes that the remediation objectives of the approved scope for this project have been achieved and that the substantive requirements of the RA have been met.

TABLES

Table 2-1

Test Pit Rationale And Locations
Non-Time Critical Removal Action
Old Fire Fighting Training Area
Navsta Newport, Rhode Island
Page 1 of 2

Test Pit	Rationale Given	Test Pit Depth (ft)	Test Pit Dimensions (ft)	Total Test Pit Area (ft^2)
TP1	Former Building 132 – high PAH at SB413; former burn area had fuel piping to building – confirm removal of fuel piping	4	15 X 30 (north) 20 X 40 (west)	1250
TP2	Building 133 – located between TPH hot spot (40,000 ppm) and TP-15 (21,000 ppm TPH at 5 to 6 feet bgs; former burn area had fuel piping to building – confirm removal of piping	8	10 X 10 10 X 10	200
TP3	Historical TP-11 – test pit log reported petroleum saturated soil (7 to 8 feet bgs); also location is adjacent to former underground oil and/or gasoline tank and the proximity of 24-inch storm drain	8	10 X 10	100
TP4	SB-511 – 17,420 ppm TPH at 4 to 6 feet bgs; but no known source located here based on available historical drawings	8	20 X 10	200
TP5	SB-512 – 9,720 ppm TPH at 6 to 8 feet bgs; but no known source located here based on available historical drawings; however, nearby historical TP-17 log refers to a utility trench located parallel to fence which reportedly contain petroleum contamination	8	15 X 12	180
TP6	SB-420 - 8,400 ppm TPH at 6 to 8 feet bgs; but no known source located here based on available historical drawings; however, nearby historical TP-17 log refers to a utility trench located parallel to fence which reportedly contain petroleum contamination.	8	17 X 10	170
TP7	SB-509 - prior sampling detected TPH (7,860 ppm TPH 6 to 8 feet bgs); but no known source located here based on available historical drawings	9	10 X 10	100
TP8	SB-513 - 7,120 ppm TPH 4 to 6 feet bgs; but no known source located here based on available historical drawings; however, nearby historical TP-17 log refers to a utility trench located parallel to fence which reportedly contain petroleum contamination	8	15 X 10	150
TP9	SB-506 - 7,790 ppm TPH at 4 to 6 feet bgs; location adjacent to former oil burn chamber and at drain piping from this chamber; also confirm removal of piping	8	10 X 10	100
TP10	SB-410 – location adjacent to former gasoline burn chamber; boring log identifies free product, oil-impacted soil, very high FID reading, and very strong petroleum odor present at 6 to 10 feet bgs	8	10 X 10	100

Table 2-1

Test Pit Rationale And Locations
Non-Time Critical Removal Action
Old Fire Fighting Training Area
Navsta Newport, Rhode Island
Page 2 of 2

TP11	Historical TP-2 (TRC 1994) – oily soils, strong petroleum odor, and high PID readings at 7 to 8 feet bgs. No TPH sample collected but most semi-volatile organic compounds (SVOC) detection limits were 7,700 ppb indicating significant contamination	8	10 X 10	100
TP12	Historical TP-3 (TRC 1994) – oily soils, petroleum odor, staining at 7 to 8 feet bgs. No TPH sample collected but most SVOC detection limits were 6,700 ppb indicating significant contamination	NA[1]	NA[1]	NA[1]
TP13	Tank location east of former Building 130, close to boat ramp; determine if tank has been removed	NA[2]	NA[2]	NA[2]
TP14	Unknown buried concrete structure suspected to be a salt water pump pit	8	20 X 10	200
TP15	Unknown buried concrete structure suspected to be a salt water pump pit	5	10 X 10	100
TP16	Unknown buried concrete structure associated with the former large circular concrete slab	6	10 X 10	100
TP17	Unknown buried concrete structure suspected to be a salt water pump pit	1	10 X 10	100
TP18	Former UST Location near fence and Taylor drive, west of Building 144	8 (ST)[3] 8 (CT) 8 (NT)	30 X 1.5 (ST) 30 X 1.5 (CT) 30 X 1.5 (NT)	135

Notes:

1. TP12 was not excavated as the target location was completely excavated during the removal of the OWS in Foundation 3.
2. TP13 was not excavated due to the presence of active electrical utilities and the area being occupied as part of the causeway bridge construction project.
3. Due to utilities identified within the proposed test pit limits three trenches were excavated rather than one large test pit within the former UST location. Test pits were identified as ST (south trench), CT (center trench), and NT (north trench).

Table 2-2

Stockpile Characterization Summary
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhodel Island

Stockpile	Classification	Excavation Area	Petroflag Analyzer TPH (ppm)	Laboratory DRO (mg/kg)	Date Date	Total Lead (mg/kg)	TCLP Lead (mg/L)	Exceeds TCLP Lead Limit (5 mg/L)	Action
WC-01	Topsoil/Clean Fill	Area A	111	62.1	01/17/08	--[1]	--[1]	NA	On-site backfill reuse
WC-02	Petroleum Contaminated	Area A	105	421	01/17/08	185	0.261	No	Off-site disposal - Taunton Landfill, Taunton, Massachusetts
WC-03	Petroleum Contaminated	Area A	1066	681	01/18/08	371	3.46	No	Off-site disposal - Taunton Landfill, Taunton, Massachusetts
WC-04	Topsoil/Clean Fill	Area B1	595	120	01/24/08	--[1]	--[1]	NA	On-site backfill reuse
WC-05	Petroleum Contaminated	Area B1	1527	1440	01/24/08	978	2.51	No	Off-site disposal - Taunton Landfill, Taunton, Massachusetts
WC-06	Petroleum Contaminated	Area B1	1918	2080	01/24/08	1840	8.54	Yes	Chemical Fixation Treatment - see Table 2-3
WC-07	Petroleum Contaminated	Area B2	1681	166	01/25/08	2310	15.9	Yes	Chemical Fixation Treatment - see Table 2-3
WC-08	Petroleum Contaminated	Area B2	EEEE[2]	2320	01/29/08	4770	ND	Yes	Chemical Fixation Treatment - see Table 2-3
WC-09	Petroleum Contaminated	Foundation 3	EEEE[2]	452	01/30/08	1320	7.18	Yes	Chemical Fixation Treatment - see Table 2-3
WC-10	Petroleum Contaminated	Foundation 3	EEEE[2]	322	01/30/08	1580	5.54	Yes	Chemical Fixation Treatment - see Table 2-3
WC-11	Topsoil/Clean Fill	Area D	323	NS	01/30/08	--[1]	--[1]	NA	On-site backfill reuse
WC-12	Topsoil/Clean Fill	Area D	169	95	02/05/08	--[1]	--[1]	NA	On-site backfill reuse
WC-13	Topsoil/Clean Fill	Area D	60	65	02/05/08	--[1]	--[1]	NA	On-site backfill reuse
WC-14	Petroleum Contaminated	Foundation 3	--[3]	562	03/17/08	200	1.70	No	Off-site disposal - Taunton Landfill, Taunton, Massachusetts
WC-15	Petroleum Contaminated	Foundation 2	--[3]	802	03/17/08	302	1.77	No	Off-site disposal - Taunton Landfill, Taunton, Massachusetts

Notes:
1. Total lead and TCLP lead analysis was not performed on material classified as topsoil/clean fill.
2. EEEE corresponds to a Petroflag field screening result outside of the instrument range.
3. WC-14 and WC-15 were not field screened since they were shipped offsite for laboratory confirmation sampling.

See Table 2-3 for stockpile treatment results.

DRO	Diesel Range Organics
mg/kg	milligram per kilogram
mg/L	milligram per liter
NA	not applicable
ppm	parts per million
EEEE	Petroflag field screening result beyond instrument range.
TPH	total petroleum hydrocarbons
TCLP	Toxicity Characteristic Leaching Procedure
NS	not sampled
ND	not detected

Table 2-3

Stockpile Treatment Results and Disposal Summary
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhodel Island

Waste Stockpile[1]	Treatment Date	Total Lead (mg/kg)	TCLP Lead (mg/L)	Disposal Facility
WCT-01	03/19/08	720	0.029	Taunton Landfill, Taunton, Massachusetts
WCT-02	03/19/08	1180	0.041	Taunton Landfill, Taunton, Massachusetts
WCT-03	03/19/08	1380	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-04	03/19/08	2130	0.069	Turnkey Landfill, Rochester, New Hampshire[2]
WCT-05	03/19/08	199	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-06	03/19/08	333	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-07	03/20/08	369	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-08	03/20/08	523	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-09	03/20/08	355	0.043	Taunton Landfill, Taunton, Massachusetts
WCT-10	03/20/08	581	0.020 U	Taunton Landfill, Taunton, Massachusetts
WCT-11	03/20/08	223	0.020 U	Taunton Landfill, Taunton, Massachusetts

Notes:
1. Stockpiles WC-06 through WC-10 were gridded off into WCT-01 through WCT-11 for chemical fixation treatment.
2. Treated waste total lead concentration exceeded Taunton Landfill's requirement; waste was disposed of at the Turnkey Landfill.

mg/kg milligram per kilogram
mg/L milligram per liter
U not detected
TCLP Toxicity Characteristic Leaching Procedure

Table 2-4

Remedial Action Chronology
Non-Time-Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Date	Event
March 2002	Final Feasibility Study submitted
April 2005	Soil Pre-Design Investigation completed
April 2005	Soil Pre-Design Investigation Report
September 15, 2006	Action Memorandum submitted
January 15, 2007	Action Memorandum
September 14, 2007	Non-Time-Critical Removal Action (NTCRA) Work Plan
November 2007	Revised Feasibility Study submitted
January 15, 2008	NTCRA begun at OFFTA Site
January 17, 2008	Area A excavation begun
January 23, 2008	Area B1 excavation begun
January 24, 2008	Area B2 excavation begun
January 31, 2008	Areas A and B1excavation complete and backfilled
January 31, 2008	Area D excavation begun
February 1, 2008	Area B2 excavation complete and backfilled
February 6, 2008	Foundation 2 excavation begun
February 7, 2008	Foundation 1 excavation begun and completed and backfilled
February 11, 2008	Foundation 3 excavation begun
February 22, 2008	Areas D and Foundation 3 excavation complete and backfilled
February 25, 2008	Foundation 3 piping excavation begun
February 26, 2008	Drainage piping excavation begun
March 18, 2008	Foundation 3 and drainage piping excavation complete and backfilled
March 19, 2008	Chemical fixation of hazardous lead-contaminated soil begun
March 20, 2008	Chemical fixation of hazardous lead-contaminated soil complete
March 21, 2008	Supplemental test pit excavations begun
April 4, 2008	Offsite soil disposal begun
April 18, 2008	Initial supplemental test pit excavations completed
May 4, 2008	Offsite soil disposal complete
May 10, 2008	Site restoration complete
June 1, 2008	Demobilization of office trailer
September 2, 2008	Additional supplemental test pit excavations begun
September 3, 2008	Additional supplemental test pit excavations complete

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
Area A			
OFFTA-A-B1	01/31/08	2050	
OFFTA-A-B2	01/31/08	990	
OFFTA-A-B3	01/18/08	379	
OFFTA-A-B4	01/18/08	2584	
OFFTA-A-B5	01/18/08	728	
OFFTA-A-B6	01/18/08	2290	
OFFTA-A-B7	01/18/08	2158	
OFFTA-A-B8	01/18/08	5202	
OFFTA-A-B9	01/18/08	482	
OFFTA-A-B10	01/22/08	2087	
OFFTA-A-B11	01/22/08	2051	
OFFTA-A-B12	01/22/08	2415	
OFFTA-A-B13	01/22/08	2195	
OFFTA-A-B14	01/22/08	2291	
OFFTA-A-B15	01/22/08	4504	
OFFTA-A-B16	01/22/08	2674	Field Duplicate pair
OFFTA-A-B16D	01/22/08	378	Field Duplicate pair
OFFTA-A-B17	01/22/08	134	
OFFTA-A-B17	01/31/08	8090	
OFFTA-A-S1	01/18/08	65	
OFFTA-A-S2	01/18/08	421	
OFFTA-A-S3	01/18/08	820	
OFFTA-A-S4	01/18/08	1208	
OFFTA-A-S5	01/22/08	1475	
OFFTA-A-S6	01/22/08	1954	
OFFTA-A-S7	01/22/08	360	
OFFTA-A-S8	01/22/08	1467	
OFFTA-A-S9	01/22/08	2150	
OFFTA-WC01	01/18/08	111	
OFFTA-WC02	01/18/08	105	
OFFTA-WC03	01/18/08	405	Field Duplicate pair
OFFTA-WC03D	01/18/08	1727	Field Duplicate pair
Area B1			
OFFTA-B1-B0	01/24/08	319	
OFFTA-B1-B1	01/24/08	2028	
OFFTA-B1-B2	01/24/08	900	
OFFTA-B1-B3	01/24/08	2148	
OFFTA-B1-B4	01/24/08	2227	Field Duplicate pair
OFFTA-B1-B4D	01/24/08	2428	Field Duplicate pair
OFFTA-B1-B5	01/24/08	2212	
OFFTA-B1-S1	01/24/08	400	
OFFTA-B1-S2	01/24/08	765	
OFFTA-B1-S3	01/24/08	438	
OFFTA-B1-S4	01/24/08	1754	
OFFTA-WC04	01/24/08	595	
OFFTA-WC05	01/24/08	1527	
OFFTA-WC06	01/24/08	1918	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
Area B2			
OFFTA-B2-B0	01/24/08	2312	
OFFTA-B2-B1	01/25/08	1771	
OFFTA-B2-B1A	01/29/08	3140	
OFFTA-B2-B2	01/25/08	335	
OFFTA-B2-B3	01/25/08	1835	
OFFTA-B2-B4	01/25/08	1920	
OFFTA-B2-B4A	01/29/08	EEEE	Beyond the reader range
OFFTA-B2-B4B	01/29/08	7635	
OFFTA-B2-B5	01/25/08	1741	
OFFTA-B2-OF01	01/25/08	389	
OFFTA-B2-OF02	01/25/08	1950	
OFFTA-B2-OF03	01/25/08	1690	
OFFTA-B2-S1	01/25/08	1040	
OFFTA-B2-S2	01/25/08	1403	Field Duplicate pair
OFFTA-B2-S2D	01/25/08	1105	Field Duplicate pair
OFFTA-B2-S3	01/25/08	1620	
OFFTA-B2-S4	01/25/08	1861	
OFFTA-B2-S4A	01/29/08	EEEE	Beyond the reader range
OFFTA-B2-S4B	01/29/08	9155	
OFFTA-WC07	01/25/08	1382	
OFFTA-WC08	01/29/08	EEEE	Beyond the reader range
Area C			
OFFTA-C-01	02/12/08	98	
OFFTA-C-02	02/12/08	191	
Area D			
OFFTA-D20-90	02/01/08	221	
OFFTA-D20-90S	02/01/08	232	
OFFTA-D30-100	02/01/08	863	
OFFTA-D30-90	02/01/08	1144	
OFFTA-D40-80	02/01/08	221	
OFFTA-D40-90	02/01/08	55	
OFFTA-D40-100	02/01/08	1179	
OFFTA-D40-100S	02/01/08	284	Field Duplicate pair
OFFTA-D40-100SD	02/01/08	245	Field Duplicate pair
OFFTA-D50-40	02/21/08	131	
OFFTA-D50-40S	02/21/08	195	
OFFTA-D50-50	02/21/08	15	
OFFTA-D50-60	02/21/08	1172	
OFFTA-D50-60S	02/21/08	256	
OFFTA-D50-70	02/21/08	930	
OFFTA-D50-90	02/01/08	656	
OFFTA-D50-100	02/01/08	17	
OFFTA-D60-40	02/21/08	136	Field Duplicate pair

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-D60-40D	02/21/08	188	Field Duplicate pair
OFFTA-D60-50	02/21/08	1367	
OFFTA-D60-60	02/21/08	353	
OFFTA-D60-70	02/21/08	1461	
OFFTA-D60-80	02/01/08	10	
OFFTA-D60-80	02/21/08	163	
OFFTA-D60-90	02/01/08	1116	
OFFTA-D60-100	02/01/08	536	Field Duplicate pair
OFFTA-D60-100D	02/01/08	723	Field Duplicate pair
OFFTA-D60-100S	02/01/08	1362	
OFFTA-D70-30	02/21/08	120	
OFFTA-D70-30S	02/21/08	24	
OFFTA-D70-40	02/21/08	153	
OFFTA-D70-50	02/21/08	1462	
OFFTA-D70-60	02/21/08	1079	
OFFTA-D70-70	02/21/08	575	
OFFTA-D70-80	02/01/08	749	
OFFTA-D70-80	02/21/08	880	
OFFTA-D70-80S	02/21/08	1234	
OFFTA-D70-90	02/01/08	1250	
OFFTA-D70-100	02/01/08	1035	
OFFTA-D80-30	02/21/08	64	
OFFTA-D80-40	02/21/08	874	
OFFTA-D80-50	02/21/08	191	
OFFTA-D80-60	02/21/08	320	
OFFTA-D80-70	02/01/08	1211	
OFFTA-D80-70	02/21/08	804	
OFFTA-D80-80	02/01/08	589	
OFFTA-D80-80	02/21/08	468	
OFFTA-D80-90	02/01/08	542	
OFFTA-D80-100	02/01/08	381	
OFFTA-D80-100S	02/01/08	331	
OFFTA-D90-20S	02/21/08	28	
OFFTA-D90-30	02/21/08	121	
OFFTA-D90-40	02/21/08	32	
OFFTA-D90-50	02/21/08	83	
OFFTA-D90-60	02/21/08	108	
OFFTA-D90-70	02/01/08	313	
OFFTA-D90-70	02/21/08	224	
OFFTA-D90-80	02/01/08	354	
OFFTA-D90-90	02/01/08	190	
OFFTA-D90-100	02/01/08	65	
OFFTA-D100-30	02/21/08	110	Field Duplicate pair
OFFTA-D100-30D	02/21/08	139	Field Duplicate pair
OFFTA-D100-40	02/21/08	274	
OFFTA-D100-50	02/21/08	129	
OFFTA-D100-60	02/21/08	80	
OFFTA-D100-60S	02/01/08	432	
OFFTA-D100-70	02/01/08	87	Field Duplicate pair
OFFTA-D100-70D	02/01/08	530	Field Duplicate pair

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-D100-80	02/01/08	40	
OFFTA-D100-90	02/01/08	133	
OFFTA-D100-100	02/01/08	125	
OFFTA-D100-100S	02/01/08	96	
OFFTA-D110-20	02/21/08	0	
OFFTA-D110-20D	02/21/08	30	
OFFTA-D110-20S	02/21/08	108	Field Duplicate pair
OFFTA-D110-20SD	02/21/08	49	Field Duplicate pair
OFFTA-D110-30	02/21/08	282	
OFFTA-D110-40	02/21/08	128	
OFFTA-D110-50	02/21/08	105	
OFFTA-D110-60	02/04/08	178	
OFFTA-D110-60	02/21/08	3	
OFFTA-D110-70	02/04/08	153	
OFFTA-D110-80	02/01/08	33	
OFFTA-D110-80S	02/01/08	57	
OFFTA-D110-90	02/01/08	244	Field Duplicate pair
OFFTA-D110-90D	02/01/08	177	Field Duplicate pair
OFFTA-D120-60	02/04/08	55	
OFFTA-D120-70	02/04/08	58	
OFFTA-D150-50	02/04/08	33	
OFFTA-D150-50S	02/04/08	144	
OFFTA-D160-40	02/04/08	0	
OFFTA-D160-50	02/04/08	0	
OFFTA-D160-60	01/31/08	376	
OFFTA-D160-60S	01/31/08	575	Field Duplicate pair
OFFTA-D160-60SD	01/31/08	1406	Field Duplicate pair
OFFTA-D160-70	01/31/08	921	
OFFTA-D160-80	01/31/08	121	
OFFTA-D160-80S	01/31/08	626	
OFFTA-D170-40	02/04/08	15	
OFFTA-D170-50	01/31/08	107	
OFFTA-D170-50	02/04/08	43	
OFFTA-D170-60	01/31/08	371	
OFFTA-D170-70	01/31/08	221	
OFFTA-D170-80	01/31/08	408	
OFFTA-D180-40	02/04/08	22	
OFFTA-D180-50	01/31/08	20	Field Duplicate pair
OFFTA-D180-50D	01/31/08	47	Field Duplicate pair
OFFTA-D180-50S	01/31/08	55	
OFFTA-D180-60	01/31/08	652	
OFFTA-D180-70	01/31/08	588	
OFFTA-D180-80	01/31/08	994	
OFFTA-D180-80S	01/31/08	257	
OFFTA-D190-40	02/04/08	9	Field Duplicate pair
OFFTA-D190-40D	02/04/08	9	Field Duplicate pair
OFFTA-D190-50	01/31/08	71	
OFFTA-D190-60	01/31/08	1125	
OFFTA-D190-60	01/31/08	324	
OFFTA-D190-80	01/31/08	316	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-D200-50	01/31/08	115	
OFFTA-D200-50S	01/31/08	365	
OFFTA-D200-60	01/31/08	254	
OFFTA-D200-70	01/31/08	532	
OFFTA-D200-80	01/31/08	115	
OFFTA-D200-80S	01/31/08	134	
OFFTA-D210-50	01/31/08	108	
OFFTA-D210-60	01/31/08	579	Field Duplicate pair
OFFTA-D210-60D	01/31/08	388	Field Duplicate pair
OFFTA-D210-70	01/31/08	363	
OFFTA-D210-70S	01/31/08	99	
OFFTA-D210-80	01/31/08	138	
OFFTA-D220-50	01/31/08	269	
OFFTA-D220-50S	01/31/08	517	
OFFTA-D220-60	01/31/08	EEEE	Beyond the reader range
OFFTA-D220-60	01/31/08	3550	Rerun at Dilution Factor 5
OFFTA-D4-01	02/21/08	443	Cast pile in Area D excavation
OFFTA-WC12	02/04/08	169	
OFFTA-WC13	02/04/08	60	
Foundation 1			
OFFTA-F1-01	02/07/08	12	
OFFTA-F1-02	02/07/08	18	
OFFTA-F1-03	02/07/08	68	
Foundation 2			
OFFTA-F2-01	02/07/08	197	Field Duplicate pair
OFFTA-F2-01D	02/07/08	225	Field Duplicate pair
OFFTA-F2-03	02/07/08	268	
OFFTA-F2-04	02/07/08	187	
OFFTA-F2-05	02/07/08	34	
OFFTA-F2-06	02/07/08	113	
OFFTA-F2-134-01	04/21/08	602	
OFFTA-F2-134-02	04/21/08	185	
OFFTA-F2-134-03	04/21/08	0	
OFFTA-F2-134-04	04/21/08	202	
OFFTA-F2-134-05	04/21/08	313	
OFFTA-F2-134-06	04/21/08	386	
OFFTA-F2-134-07	04/21/08	476	
OFFTA-F2-134-Pipe01	04/21/08	191	
OFFTA-F2-134-SP01	04/21/08	736	Cast Pile sample
OFFTA-F2-134-SP02	04/21/08	313	Cast Pile sample
OFFTA-F2-135-01	04/18/08	47	
OFFTA-F2-135-02	04/18/08	79	
OFFTA-F2-135-03	04/18/08	685	
OFFTA-F2-135-04	04/18/08	185	
OFFTA-F2-135-05	04/18/08	582	
OFFTA-F2-135-06	04/18/08	116	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-F2-135-07	04/18/08	1182	
OFFTA-F2-135-08	04/21/08	16430	Labortory confirmation = 3943 ppm TPH
OFFTA-F2-135-09	04/21/08	1130	
OFFTA-F2-135-10	04/21/08	6770	
OFFTA-F2-135-SP01	04/18/08	702	Cast Pile sample
OFFTA-F2-135-SP02	04/18/08	67	Cast Pile sample
OFFTA-F2-135-SP03	04/18/08	4802	Cast Pile sample
Foundation 3 and Drainage Piping			
OFFTA-DPE-160	03/18/08	206	
OFFTA-DPE-170	03/18/08	6	
OFFTA-DPE-180	03/18/08	60	
OFFTA-DPE-190	03/18/08	0	
OFFTA-DPE-200	03/18/08	48	
OFFTA-DPE-210	03/18/08	17	
OFFTA-DPE-220	03/18/08	35	
OFFTA-DPE-SP01	03/18/08	0	
OFFTA-DPNE-10	02/27/08	538	
OFFTA-DPNE-20	02/27/08	1965	
OFFTA-DPNE-30	02/27/08	1405	
OFFTA-DPNE-40	02/27/08	377	
OFFTA-DPNE-50	02/27/08	739	
OFFTA-DPNE-60	03/18/08	127	
OFFTA-DPNE-70	03/18/08	107	
OFFTA-DPNE-80	03/18/08	54	
OFFTA-DPNE-90	03/18/08	59	
OFFTA-DPNE-SP02	03/18/08	100	
OFFTA-DPNE-SP1	02/27/08	383	
OFFTA-DPS-10	02/27/08	190	
OFFTA-DPS-20	02/27/08	229	
OFFTA-DPW-10	02/27/08	15	
OFFTA-DPW-100	02/27/08	178	Field Duplicate pair
OFFTA-DPW-100D	02/27/08	332	Field Duplicate pair
OFFTA-DPW-110	02/27/08	150	
OFFTA-DPW-120	02/27/08	70	
OFFTA-DPW-130	02/27/08	231	
OFFTA-DPW-140	02/27/08	114	
OFFTA-DPW-150	02/27/08	138	
OFFTA-DPW-160	02/27/08	24	
OFFTA-DPW-170	02/27/08	68	
OFFTA-DPW-180	02/27/08	55	
OFFTA-DPW-190	02/27/08	188	
OFFTA-DPW-20	02/27/08	855	
OFFTA-DPW-200	02/27/08	155	
OFFTA-DPW-210	02/27/08	54	
OFFTA-DPW-220	02/27/08	95	
OFFTA-DPW-230	02/27/08	33	
OFFTA-DPW-30	02/27/08	17	
OFFTA-DPW-30	02/27/08	456	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-DPW-40	02/27/08	190	
OFFTA-DPW-50	02/27/08	42	
OFFTA-DPW-60	02/27/08	93	
OFFTA-DPW-70	02/27/08	30	
OFFTA-DPW-80	02/27/08	105	
OFFTA-DPW-90	02/27/08	75	
OFFTA-DPW-SP1	02/27/08	72	
OFFTA-DPW-SP2	02/27/08	55	
OFFTA-DPW-SP3	02/27/08	86	
OFFTA-F3-01	02/12/08	353	
OFFTA-F3-02	02/12/08	470	
OFFTA-F3EP-01	02/26/08	EEEE	Beyond the reader range
OFFTA-F3-P1	02/19/08	EEEE	Beyond the reader range
OFFTA-F3-P1	02/19/08	EEEE	Beyond the reader range/Rerun at Dilution Factor 1
OFFTA-F3-P2	02/19/08	EEEE	Beyond the reader range
OFFTA-F3-P2	02/19/08	EEEE	Beyond the reader range/Rerun at Dilution Factor 1
OFFTA-F3P-S1	02/26/08	2634	Field Duplicate pair
OFFTA-F3P-S1D	02/26/08	651	Field Duplicate pair
OFFTA-F3-S1	02/15/08	685	
OFFTA-F3-S10	02/15/08	4900	
OFFTA-F3-S2	02/15/08	835	
OFFTA-F3-S3	02/15/08	250	
OFFTA-F3-S4	02/15/08	0	
OFFTA-F3-S5	02/15/08	235	Field Duplicate pair
OFFTA-F3-S5D	02/15/08	1055	Field Duplicate pair
OFFTA-F3-S6	02/15/08	670	
OFFTA-F3-S7	02/15/08	540	
OFFTA-F3-S8	02/15/08	205	
OFFTA-F3-S9	02/15/08	165	
OFFTA-F3-SP01	02/26/08	28	
OFFTA-F3-SP02	02/26/08	88	
OFFTA-F3WP-01	02/26/08	EEEE	Beyond the reader range
OFFTA-VP3-North	02/27/08	269	Field Duplicate pair
OFFTA-VP3-North(D)	02/27/08	405	Field Duplicate pair
OFFTA-VP3-South	02/27/08	184	
OFFTA-VP3-SP1	02/27/08	38	
OFFTA-VP3-West	02/27/08	51	
Supplemental Test Pits			
OFFTA-TP1/DPNE-60	03/18/08	127	
OFFTA-TP1/DPNE-70	03/18/08	107	
OFFTA-TP1/DPNE-80	03/18/08	54	
OFFTA-TP1/DPNE-90	03/18/08	59	
OFFTA-TP2-B	03/20/08	135	Field Duplicate pair
OFFTA-TP2-B(D)	03/20/08	0	Field Duplicate pair
OFFTA-TP2-E	03/20/08	72	
OFFTA-TP2-N	03/20/08	73	
OFFTA-TP2-S	03/20/08	16	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-TP2-SP	03/20/08	0	
OFFTA-TP2-W	03/20/08	82	
OFFTA-TP3-Base	04/18/08	2540	
OFFTA-TP3-E	04/18/08	75	
OFFTA-TP3-N	04/18/08	127	Field Duplicate pair
OFFTA-TP3-N(D)	04/18/08	15	Field Duplicate pair
OFFTA-TP3-S	04/18/08	31	
OFFTA-TP3-SP01	04/18/08	63	
OFFTA-TP3-W	04/18/08	11	
OFFTA-TP4-B	03/25/08	2184	
OFFTA-TP4-E	03/25/08	1892	
OFFTA-TP4-N	03/25/08	1607	
OFFTA-TP4-S	03/25/08	1393	
OFFTA-TP4-W	03/25/08	1540	
OFFTA-TP5-B	09/02/08	10300	Labortory confirmation = 2610 ppm TPH
OFFTA-TP5-E	09/02/08	1182	
OFFTA-TP5-N	09/02/08	32	
OFFTA-TP5-S	09/02/08	13	
OFFTA-TP5-W	09/02/08	12	
OFFTA-TP6-B	09/02/08	250	
OFFTA-TP6-E	09/02/08	69	
OFFTA-TP6-N	09/02/08	723	
OFFTA-TP6-S	09/02/08	225	
OFFTA-TP6-W	09/02/08	159	
OFFTA-TP7-B	03/25/08	145	
OFFTA-TP7-E	03/25/08	858	
OFFTA-TP7-N	03/25/08	1978	
OFFTA-TP7-S	03/25/08	2207	
OFFTA-TP7-W	03/25/08	2126	
OFFTA-TP8-B	09/02/08	2070	
OFFTA-TP8-E	09/02/08	59	
OFFTA-TP8-N	09/02/08	44	
OFFTA-TP8-S	09/02/08	217	
OFFTA-TP8-W	09/02/08	255	
OFFTA-TP10-B	03/25/08	2520	
OFFTA-TP10-Base	03/21/08	1598	
OFFTA-TP10-E	03/25/08	108	
OFFTA-TP10-N	03/25/08	29	
OFFTA-TP10-S	03/25/08	154	
OFFTA-TP10-W	03/25/08	81	
OFFTA-TP11-B	03/25/08	2361	
OFFTA-TP11-Base	03/21/08	1846	
OFFTA-TP11-E	03/25/08	194	
OFFTA-TP11-N	03/25/08	137	
OFFTA-TP11-S	03/25/08	62	
OFFTA-TP11-W	03/25/08	185	
OFFTA-TP14-E	03/25/08	134	
OFFTA-TP14-N	03/25/08	32	
OFFTA-TP14-S	03/25/08	105	
OFFTA-TP14-W	03/25/08	30	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-1

Petroflag Field Screening Data
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample ID	Date	Petroflag TPH Result (ppm)	Notes
OFFTA-TP15-B	03/25/08	2284	
OFFTA-TP15-Base	03/21/08	142	Field Duplicate pair
OFFTA-TP15-Base(D)	03/21/08	97	Field Duplicate pair
OFFTA-TP15-E	03/25/08	127	
OFFTA-TP15-East	03/21/08	48	
OFFTA-TP15-N	03/25/08	30	
OFFTA-TP15-North	03/21/08	66	
OFFTA-TP15-S	03/25/08	207	
OFFTA-TP15-South	03/21/08	92	
OFFTA-TP15-SP	03/21/08	108	
OFFTA-TP15-W	03/25/08	576	
OFFTA-TP15-West	03/21/08	67	
OFFTA-TP18-CT-B	09/02/08	6610	
OFFTA-TP18-CT-E	09/02/08	1301	
OFFTA-TP18-CT-N	09/02/08	1199	
OFFTA-TP18-CT-S	09/02/08	1026	
OFFTA-TP18-CT-W	09/02/08	567	
OFFTA-TP18-NT-B	09/02/08	840	
OFFTA-TP18-NT-E	09/02/08	1787	
OFFTA-TP18-NT-N	09/02/08	800	
OFFTA-TP18-NT-S	09/02/08	572	
OFFTA-TP18-NT-W	09/02/08	85	
OFFTA-TP18-ST-B	09/02/08	9900	
OFFTA-TP18-ST-E	09/02/08	2158	
OFFTA-TP18-ST-N	09/02/08	1840	
OFFTA-TP18-ST-S	09/02/08	2091	
OFFTA-TP18-ST-W	09/02/08	2102	

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-2

Petroflag Field Screening Versus Laboratory Analytical Results
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample Location	Sample Depth (ft)	Petroflag TPH Field Screening (ppm)	Laboratory DRO (ppm)	Laboratory GRO (ppm)	Laboratory TPH (ppm)	Ratio Field/Lab TPH Data
Area A						
OFFTA-A-B5	9	728	338	NS	338	2.15
OFFTA-A-B8	9	5202	3110	NS	3110	1.67
OFFTA-A-B15	9	4504	2450	NS	2450	1.84
OFFTA-A-S6	5	1954	1940	NS	1940	1.01
Area B1						
OFFTA-B1-B4	9	2227	4470	NS	4470	0.50
OFFTA-B1-B4D	9	2428	1570	NS	1570	1.55
Area B2						
OFFTA-B2-B0	NA	2312	5520	NS	5520	0.42
OFFTA-B2-B2	9	335	76.6	NS	76.6	4.37
OFFTA-B2-B4	9	1920	2310	NS	2310	0.83
OFFTA-B2-B4A	10	EEEE	659	NS	659	-
OFFTA-B2-OF02	0.5	1950	3070	NS	3070	0.64
OFFTA-B2-S4A	9	EEEE	2330	NS	2330	-
Area C						
OFFTA-C-01	8	98	59.2	<1.36	59.9	1.64
OFFTA-C-02	8	191	59	<1.35	59.7	3.20
Area D						
OFFTA-D50-60	1.5	1172	314	3.25	317	3.69
OFFTA-D60-100S	1.5	1362	242	NS	242	5.63
OFFTA-D60-70	1.5	1461	332	3.91	336	4.35
OFFTA-D60-90	1.5	1116	200	NS	200	5.58
OFFTA-D70-80	1.5	880	156	2.12	158	5.57
OFFTA-D70-90	1.5	1250	69.7	NS	69.7	17.93
OFFTA-D100-100	1.5	125	<38.3	NS	<38.3	6.53
OFFTA-D100-90	1.5	133	53.9	NS	53.9	2.47
OFFTA-D110-60	1.5	178	109	NS	109	1.63
OFFTA-D180-40	1.5	22	<41.2	NS	<41.2	1.07
OFFTA-D180-70	1.5	588	192	NS	192	3.06
OFFTA-D190-50	1.5	71	<40.6	NS	<40.6	3.50
OFFTA-D190-60	1.5	324	92.6	NS	92.6	3.50

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-2

Petroflag Field Screening Versus Laboratory Analytical Results
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample Location	Sample Depth (ft)	Petroflag TPH Field Screening (ppm)	Laboratory DRO (ppm)	Laboratory GRO (ppm)	Laboratory TPH (ppm)	Ratio Field/Lab TPH Data
OFFTA-D190-70	1.5	1125	266	NS	266	4.23
OFFTA-D220-60	1.5	3550	623	NS	623	5.70
Foundation 1						
OFFTA-F1-01	4	12	49.9	NS	49.9	0.24
Foundation 2						
OFFTA-F2-01	4	197	150	NS	150	1.31
OFFTA-F2-135-05	6	582	948	7.94	956	0.61
OFFTA-F2-135-SP01	NA	702	1530	20.6	1551	0.45
OFFTA-F2-135-SP02	NA	67	194	3.31	197	0.34
OFFTA-F2-135-SP03	NA	4802	2070	179	2249	2.14
OFFTA-F2-134-SP01	NA	736	644	3.18	647	1.14
OFFTA-F2-134-SP02	NA	313	92.7	<1.86	93.6	3.34
OFFTA-F2-135-08	6	16430	3470	473	3943	4.17
OFFTA-F2-135-10	6	6770	2340	176	2516	2.69
Foundation 3 and Drainage Piping						
OFFTA-F3-S5	8	235	209	6.01	215	1.09
OFFTA-F3-S8	8	205	52.2	<1.40	52.9	3.88
OFFTA-P-S1	6	2634	607	<1.63	608	4.33
OFFTA-EP-01	6	EEEE	36500	3.76	36504	-
OFFTA-WP-01	6	EEEE	41700	<1.83	41701	-
OFFTA-SP01	NA	28	<41.2	<1.42	21.3	1.31
OFFTA-SP02	NA	88	51.4	<1.42	52.1	1.69
OFFTA-EP-SP01	NA	84	81.9	<1.63	82.7	1.02
OFFTA-EP-SP02	NA	37	136	<1.55	137	0.27
OFFTA-DPW-SP1	NA	72	<42.6	<1.63	22.1	3.26
OFFTA-DPW-SP2	NA	55	<41.2	<1.51	21.4	2.58
OFFTA-DPW-SP3	NA	86	109	<1.75	110	0.78
OFFTA-DPW-20	6	855	109	<1.62	110	7.79
OFFTA-DPW-120	3	70	291	3.05	294	0.24
OFFTA-VP3-North	1	269	117	<1.33	118	2.29
OFFTA-VP3-SP1	NA	38	<40.6	<1.57	21.1	1.80
OFFTA-DPNE-50	4	739	269	<1.07	270	2.74
OFFTA-DPNE-SP1	NA	383	123	0.79	124	3.09

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-2

Petroflag Field Screening Versus Laboratory Analytical Results
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhode Island

Sample Location	Sample Depth (ft)	Petroflag TPH Field Screening (ppm)	Laboratory DRO (ppm)	Laboratory GRO (ppm)	Laboratory TPH (ppm)	Ratio Field/Lab TPH Data
OFFTA-DPE-160	3	206	83.4	<1.57	84.2	2.45
OFFTA-DPE-SP1	NA	0	<42.1	<1.53	21.8	0.00
OFFTA-DPE-SP2	NA	100	166	<1.58	167	0.60
Supplemental Test Pits						
OFFTA-TP3-Base	8	2540	2600	135	2735	0.93
OFFTA-TP3-SP01	NA	63	554	15	569	0.11
OFFTA-TP5-B	8	10300	2340	270	2610	3.95
OFFTA-TP5-S	5	13	<37.1	<3.23	20.2	0.64
OFFTA-TP6-B	8	250	434	209	643	0.39
OFFTA-TP6-Comp Side	6	NA	2860	289	3149	-
OFFTA-TP8-B	8	2070	294	195	489	4.23
OFFTA-TP8-Comp Side	6	NA	2340	195	2535	-
OFFTA-TP18-CT-W	8	567	111	7.58	119	4.78

Average Field/Laboratory TPH Ratio **2.65**

Notes: Exceedances are highlighted. EEEE - Beyond Reader Range TPH - Total petroleum hydrocarbons
DRO - Diesel range organics GRO - Gasoline range organics ppm - parts per million (mg/kg)

Table 3-3

Split Sample Data Comparison
Non-Time Critical Removal Action
Old Fire Fighting Training Area
NAVSTA Newport, Rhodel Island

Sample Location ID	DRO (mg/kg)				Comparability
	Global	TtNUS[1]	Average	%D[2]	
B2-B1A	--[3]	2500	--	--	NA
B2-B4A	659	7600	4130	168	non-comparable
B2-S4A	2330	6700	4515	97	non-comparable
D110-202	--[3]	60	--	--	NA
D110-60	109	100	105	-9	comparable
D160-60	--[3]	170	--	--	NA
D160-80	--[3]	900	--	--	NA
D180-40	20.6	33	26.8	46	comparable
D180-60	--[3]	190	--	--	NA
D180-70	192	260	226	30	comparable
D50-502	--[3]	70	--	--	NA
D70-50	--[3]	210	--	--	NA
F3-01	--[3]	150	--	--	NA
F3-02	--[3]	360	--	--	NA
F3-S10	--[3]	1800	--	--	NA
F3-S7	--[3]	1100	--	--	NA

Notes

1. For results below laboratory detection limit, a value of one-half the detection limit was used.
2. %D calculated using equation presented in the EPA Region 1 Data Validation Manual (December 1996 revision).
3. Comparison not available as sample was not submitted by Global for laboratory analysis.

DRO	Diesel Range Organics
mg/kg	milligram per kilogram
NA	not applicable
%D	percent difference
TPH	total petroleum hydrocarbons

FIGURES

LEGEND

- * – PROPOSED LOCATION
- XX EXISTING CONTOUR
- FENCELINE
- PZ-XX PIEZOMETER
- MW-XX MONITORING WELL
- HYDRANT
- VALVE
- GAS GATE
- WATER GATE
- LIGHT POST
- UTILITY POLE
- CATCH BASIN
- MANHOLE (TYPE UNKNOWN)
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- HAND HOLE
- TELEPHONE MANHOLE
- CLEAN OUT
- WATER SHUT OFF
- CONCRETE
- BITUMINOUS PAVEMENT
- ASPH ASHPALT
- BR BIKE RACK
- DI DRAIN INLET
- APPROX. LIMIT OF PROPOSED REVETMENT
- TP-10 PREVIOUS TEST PIT LOCATION 1997
- TP2 PREVIOUS TEST PIT LOCATION 1992

NOTES:

1. BASE MAP FROM A PLAN BY LOUIS FEDERICI & ASSOCIATES, PROVIDENCE, RI, PLS STAMP DATED: 06/10/05, ENTITLED: "SURFACE WARFARE OFFICERS SCHOOL (SWOS) SITE, 2005 – TOPOGRAPHIC SURVEY, SOIL BORINGS, MONITORING WELLS AND FEATURE LOCATION AT THE OLD FIRE FIGHTING TRAINING AREA, NEWPORT NAVAL BASE, IN NEWPORT, RHODE ISLAND FOR TETRA TECH NUS, INC.", ORIGINAL SCALE: 1"=50 FT., PLAN DATUM HORIZONTAL: NAD 83 (FEET), VERTICAL: NAVAL BASE MEAN LOW WATER.

2. TPH GRADIENT LEVELS DIGITIZED FROM FIGURE CREATED BY A KRIGING INTERPOLATION MODEL THROUGH ARCVIEW / EGIS USING DATA COLLECTED BETWEEN 2003 AND 2005; KRIGING SLICE IS AT 2 FT. ELEVATIONS (NAVAL BASE MEAN LOW WATER)

3. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.

4. PLAN NOT TO BE USED FOR DESIGN.

5. TEN TEST PIT LOCATIONS ARE TO BE DETERMINED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AND ARE THEREFORE NOT SHOWN.

GRAPHIC SCALE
80′ 0′ 80′ 160′

DRAWN BY: D.W. MACDOUGALL	TITLE: SITE MAP: EXISTING CONDITIONS SITE 09 – OLD FIRE FIGHTING AREA NAVSTA NEWPORT – NEWPORT, RHODE ISLAND		
PREPARED BY: B. SMITH			
CHECKED BY: S. PARKER			
	SOURCE: BASE PLAN BY SEE NOTES		
	SCALE: AS NOTED	DATE: FEBRUARY 11, 2009	PROJ. NO: 00632
PROJECT MANAGER: S. PARKER	DRAWING NO: 1–1	ACFILE NAME: I:\00632\0330\SITE_MAP.DWG	REV: 0
PROGRAM MANAGER: J. TREPANOWSKI			

TETRA TECH NUS, INC.
55 JONSPIN ROAD
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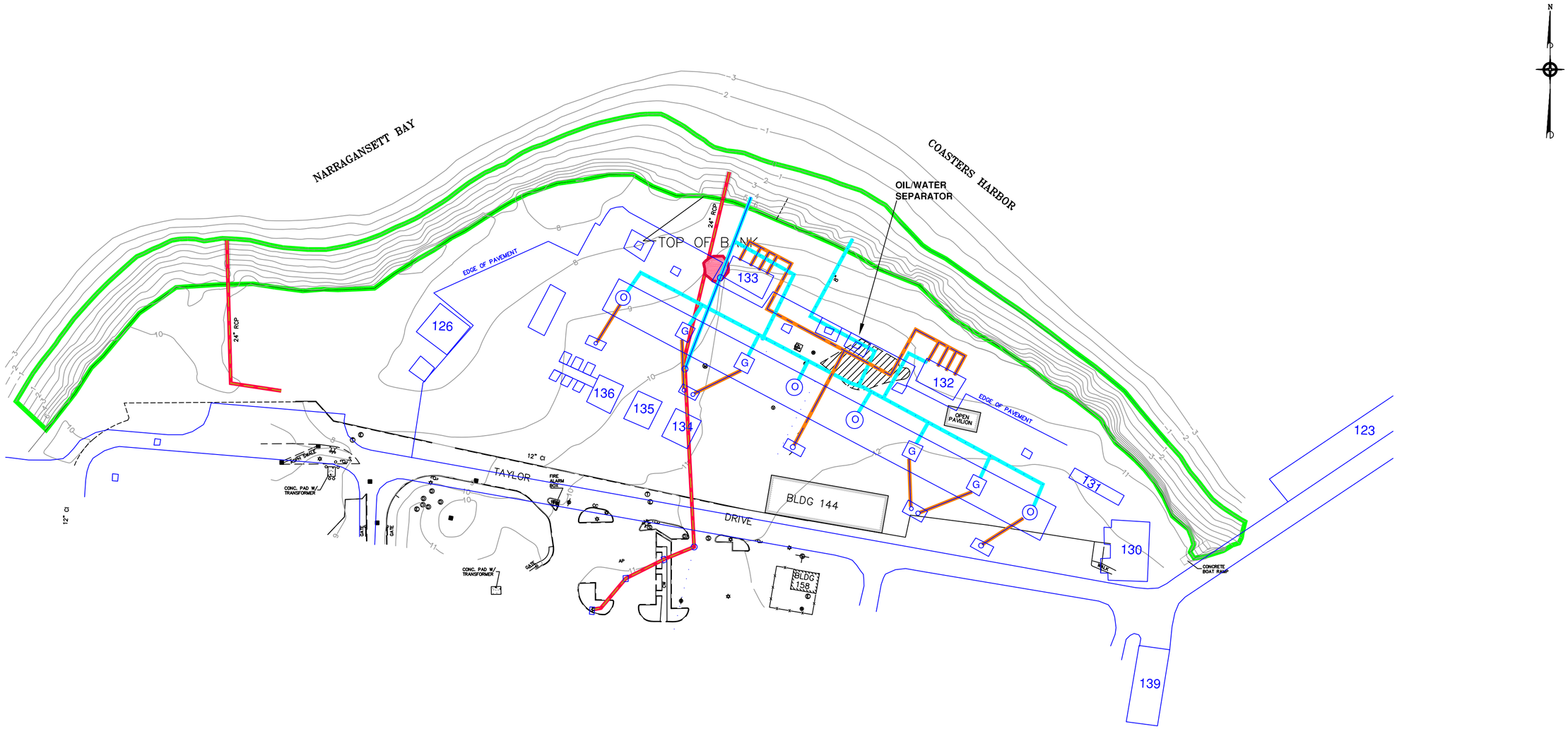
(978)658–7899



LEGEND

- EXISTING CONTOUR
- FENCELINE
- HYDRANT
- VALVE
- GAS GATE
- WATER GATE
- LIGHT POST
- UTILITY POLE
- CATCH BASIN
- MANHOLE (TYPE UNKNOWN)
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- HAND HOLE
- TELEPHONE MANHOLE
- CLEAN OUT
- WATER SHUT OFF

ASPH ASHPALT
BR BIKE RACK
DI DRAIN INLET

- APPROX. LIMIT OF PROPOSED REVETMENT
- AREA A, MAPPED 2006
- 135 BUILDING AND BUILDING ID
- STORM AND COMBINED SEWER (HISTORIC)
- OIL LINE (HISTORIC)
- OIL TANKS (HISTORICAL)
- GAS TANKS [X-MAS TREES] (HISTORICAL)
- EXISTING STORM SEWER LINE

NOTES:

1. BASE MAP FROM A PLAN BY LOUIS FEDERICI & ASSOCIATES, PROVIDENCE, RI, PLS STAMP DATED: 06/10/05, ENTITLED: "SURFACE WARFARE OFFICERS SCHOOL (SWOS) SITE, 2005 – TOPOGRAPHIC SURVEY, SOIL BORINGS, MONITORING WELLS AND FEATURE LOCATION AT THE OLD FIRE FIGHTING TRAINING AREA, NEWPORT NAVAL BASE, IN NEWPORT, RHODE ISLAND FOR TETRA TECH NUS, INC.", ORIGINAL SCALE: 1"=50 FT., PLAN DATUM HORIZONTAL: NAD 83 (FEET), VERTICAL: NAVAL BASE MEAN LOW WATER AND FROM A DRAWING COMPILED FROM A FIGURE ENTITLED "BASE MAP OLD FIRE FIGHTING TRAINING AREA NETC, NEWPORT, RHODE ISLAND, JULY 1997, PROJ. NO. 7578 CTO: 288, BY BROWN & ROOT ENVIRONMENTAL, SOURCE: BASE PLAN BY GUERRIERE & HALNON, INC., DATED NOVEMBER 10, 1997, AND THE ADDITION OF FIELD MEASURED FEATURES, BY LOUIS FEDERICI AND ASSOCIATES 3/16/99, PRESENTED ON A DRAWING ENTITLED "KADY FIELD, TOPOGRAPHIC, SOIL SAMPLE LOCATION, AND SITE SURVEY AT THE OLD FIRE FIGHTING TRAINING AREA, NAVAL STATION NEWPORT IN NEWPORT, RHODE ISLAND FOR TETRA TECH NUS, INC., LOUIS FEDERICI & ASSOCIATES, 3/16/99, DWG NO. 990205-01.

2. TPH GRADIENT LEVELS DIGITIZED FROM FIGURE CREATED BY A KRIGING INTERPOLATION MODEL THROUGH ARCVIEW / EGIS USING DATA COLLECTED BETWEEN 2003 AND 2005; KRIGING SLICE IS AT 2 FT. ELEVATIONS (NAVAL BASE MEAN LOW WATER)

3. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.

4. PLAN NOT TO BE USED FOR DESIGN.

5. TEN TEST PIT LOCATIONS ARE TO BE DETERMINED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AND ARE THEREFORE NOT SHOWN.

GRAPHIC SCALE
80′ 0′ 80′ 160′

DRAWN BY: D.W. MACDOUGALL	TITLE: HISTORICAL CONDITIONS SITE 09 – OLD FIRE FIGHTING AREA NAVSTA NEWPORT – NEWPORT, RHODE ISLAND
PREPARED BY: B. SMITH	
CHECKED BY: S. PARKER	
	SOURCE: BASE PLAN BY SEE NOTES
	SCALE: AS NOTED / DATE: FEBRUARY 11, 2009 / PROJ. NO: 00632
PROJECT MANAGER: S. PARKER	DRAWING NO: 1–2 / ACFILE NAME: I:\00632\0330\HIST_COND.DWG / REV: 0
PROGRAM MANAGER: J. TREPANOWSKI	

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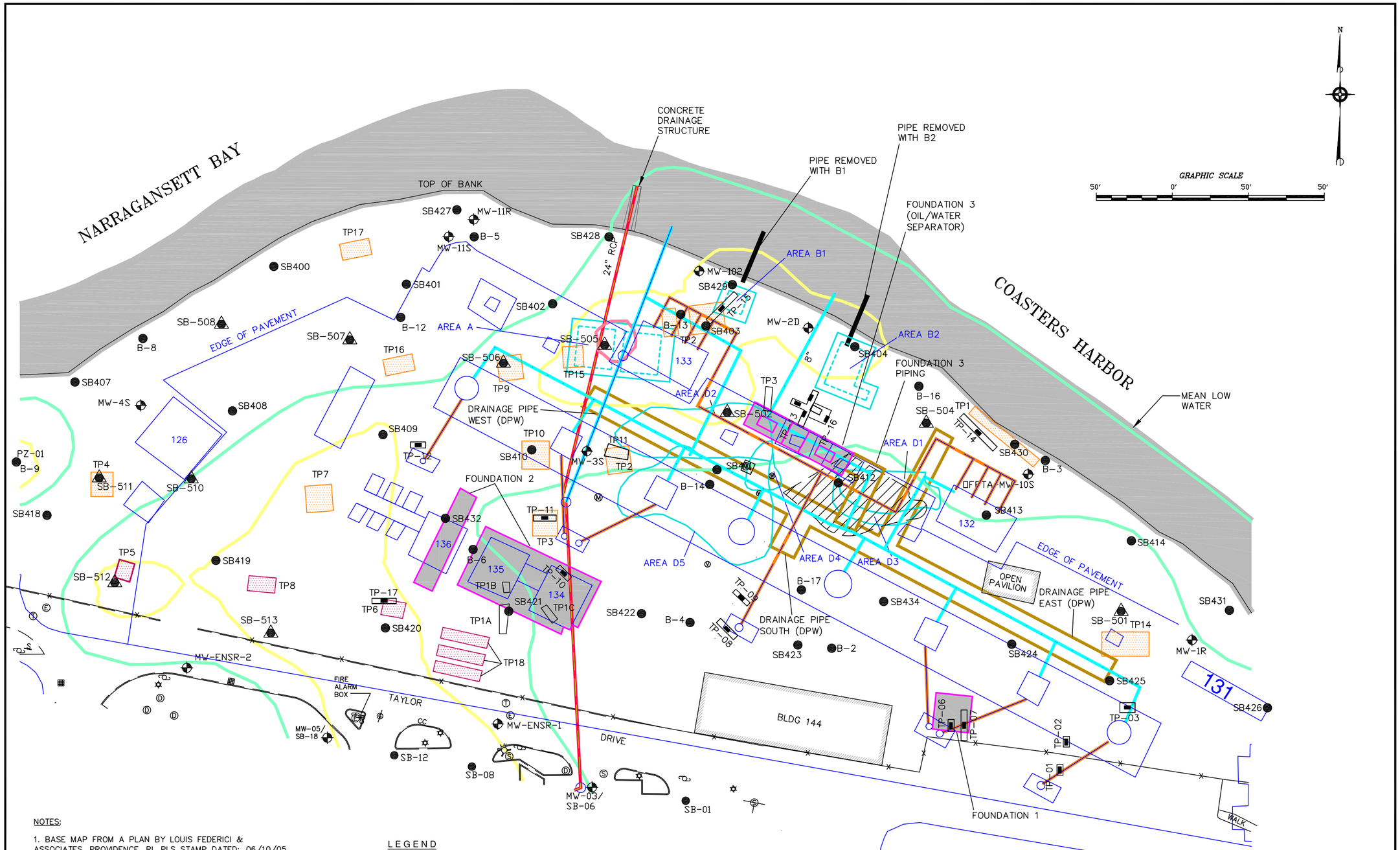
WILMINGTON, MASSACHUSETTS 01887
(978)658-7899



NOTES:

1. BASE MAP FROM A PLAN BY LOUIS FEDERICI & ASSOCIATES, PROVIDENCE, RI, PLS STAMP DATED: 06/10/05, ENTITLED: "SURFACE WARFARE OFFICERS SCHOOL (SWOS) SITE, 2005 – TOPOGRAPHIC SURVEY, SOIL BORINGS, MONITORING WELLS AND FEATURE LOCATION AT THE OLD FIRE FIGHTING TRAINING AREA, NEWPORT NAVAL BASE, IN NEWPORT, RHODE ISLAND FOR TETRA TECH NUS, INC.", ORIGINAL SCALE: 1"=50 FT., PLAN DATUM HORIZONTAL: NAD 83 (FEET), VERTICAL: NAVAL BASE MEAN LOW WATER.
2. TPH GRADIENT LEVELS DIGITIZED FROM FIGURE CREATED BY A KRIGING INTERPOLATION MODEL THROUGH ARCVIEW / EGIS USING DATA COLLECTED BETWEEN 2003 AND 2005; KRIGING SLICE IS AT 2 FT. ELEVATIONS (NAVAL BASE MEAN LOW WATER).
3. ALL LOCATIONS ARE TO BE CONSIDERED APPROXIMATE.
4. PLAN NOT TO BE USED FOR DESIGN.
5. TEN TEST PIT LOCATIONS ARE TO BE DETERMINED BY THE RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, AND ARE THEREFORE NOT SHOWN.
6. SURVEY OF THE CURRENT FENCELINE NOT AVAILABLE PRIOR TO THE REMEDIAL ACTION.
7. ALL HISTORICAL FEATURE LOCATIONS ARE APPROXIMATE.
8. ALL REMAINING HISTORICAL PIPING WAS TRACKED AND REMOVED. WHERE PIPING RUN EXCAVATIONS WERE INCOMPLETE BASED ON HISTORICAL DRAWINGS, THE EXCAVATIONS HAD REACHED THE GROUND SURFACE OR BEDROCK. THE OFFTA SITE HAD BEEN REWORKED WHEN THE BALLFIELD WAS CONSTRUCTED AND SOME OF THE PIPING MAY HAVE BEEN REMOVED AT THAT TIME.

LEGEND

- SOIL TPH > 500 Mg/Kg, < 2,500 Mg/Kg
- SOIL TPH > 2500 Mg/Kg, < 10,000 Mg/Kg
- SOIL TPH > 30,000 Mg/Kg
- FOUNDATION EXCAVATION AREAS (LIMIT OF EXCAVATION)
- PIPING REMOVAL (LIMIT OF EXCAVATION)
- 135 HISTORICAL FEATURE BUILDING AND BUILDING ID
- FORMER ABOVE GROUND BURN PIT
- FORMER ABOVE GROUND BURN CHAMBER
- FORMER UNDERGROUND STORAGE TANKS
- STORM AND COMBINED SEWER (HISTORIC) – CONFIRMED REMOVED
- OIL LINE (HISTORIC) – CONFIRMED REMOVED
- EXISTING STORM SEWER LINE
- FENCELINE
- SOIL BORING
- MONITORING WELL
- HYDRANT
- VALVE
- GAS GATE
- WATER GATE
- LIGHT POST
- UTILITY POLE
- CATCH BASIN
- MANHOLE (TYPE UNKNOWN)
- SEWER MANHOLE
- DRAIN MANHOLE
- ELECTRIC MANHOLE
- HAND HOLE
- TELEPHONE MANHOLE
- CLEAN OUT
- WATER SHUT OFF

ASPH ASHPALT
BR BIKE RACK
DI DRAIN INLET

- APPROX. LIMIT OF PROPOSED REVETMENT
- TP-10 PREVIOUS TEST PIT LOCATION 1997
- TP2 PREVIOUS TEST PIT LOCATION 1992
- TEST PIT LOCATION MAY 2008
- TEST PIT LOCATION SEPTEMBER 2008

TARGET EXCAVATION AREAS

- OUTER LIMIT OF EXCAVATION
- LIMIT OF EXCAVATION BOTTOM

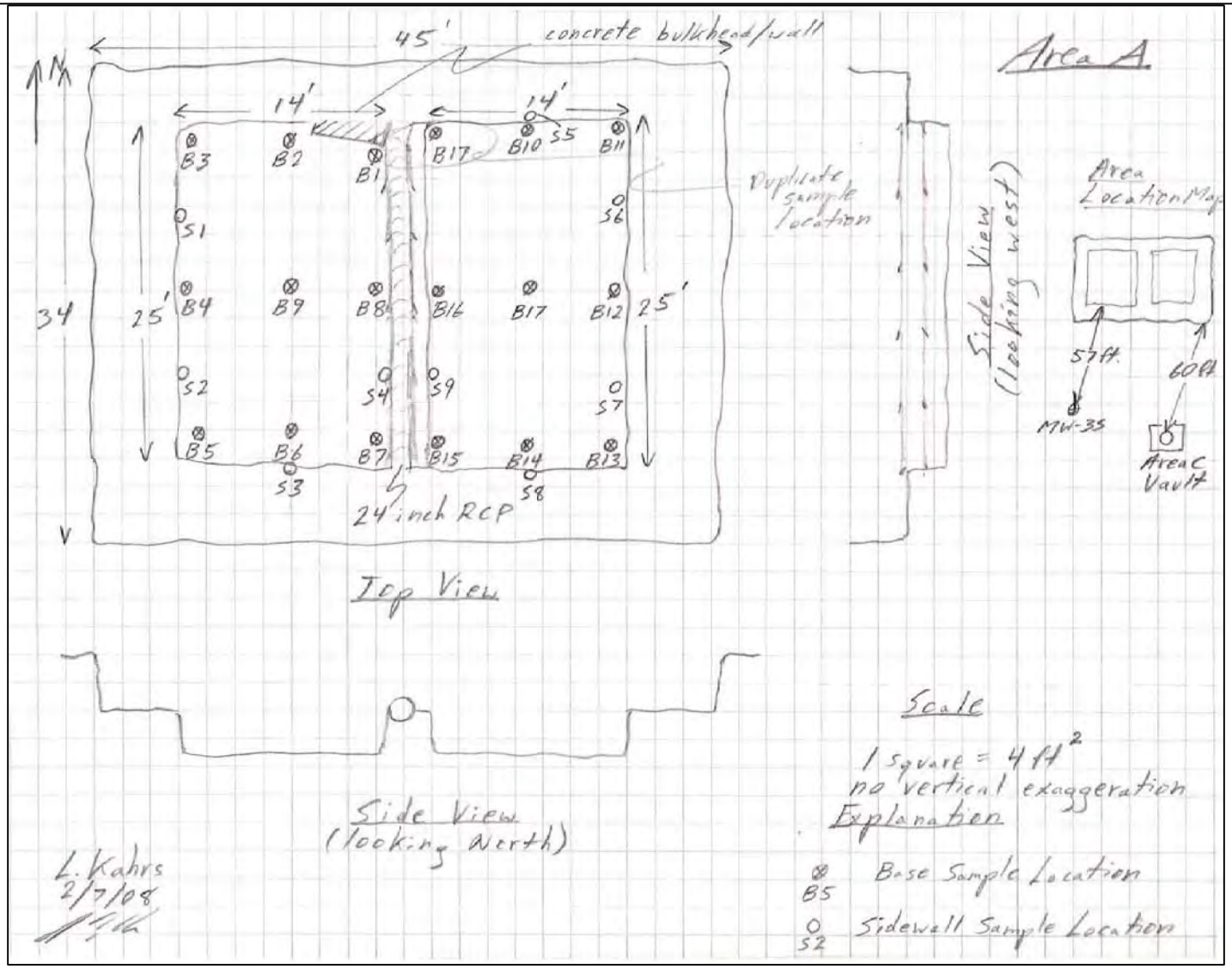
TETRA TECH NUS, INC.

EXCAVATION AREAS
REMOVAL ACTION
SITE 09, OLD FIRE FIGHTING TRAINING AREA
NAVSTA NEWPORT
NEWPORT, RHODE ISLAND

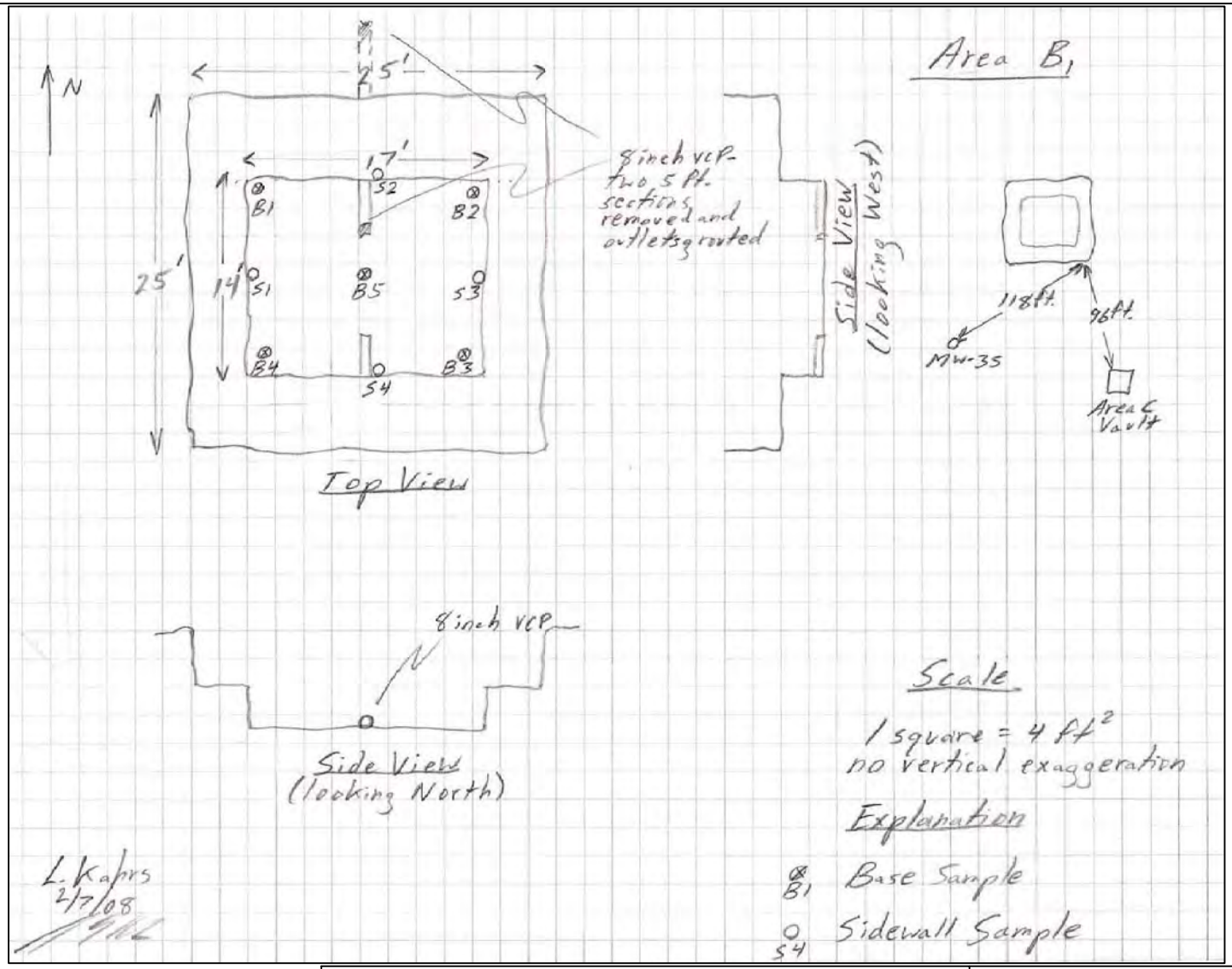
FILE	SCALE
\00632\0330\EXCAV_AREAS.DWG	AS NOTED

FIGURE NUMBER	REV	DATE
FIGURE NO. 2–1	0	02/11/10

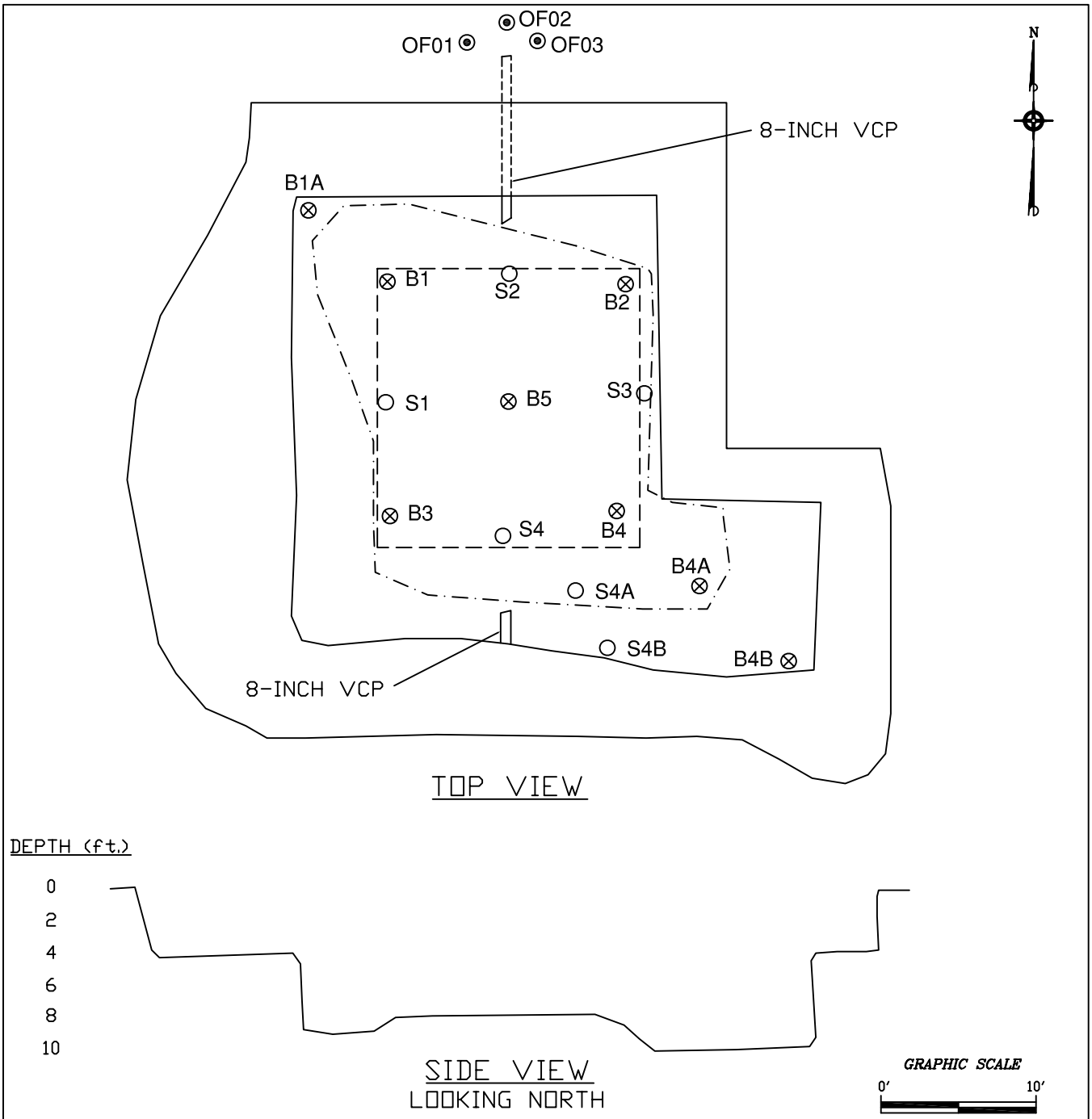
ACAD: \00632\0330\EXCAV_AREAS.DWG 02/11/10 DWM



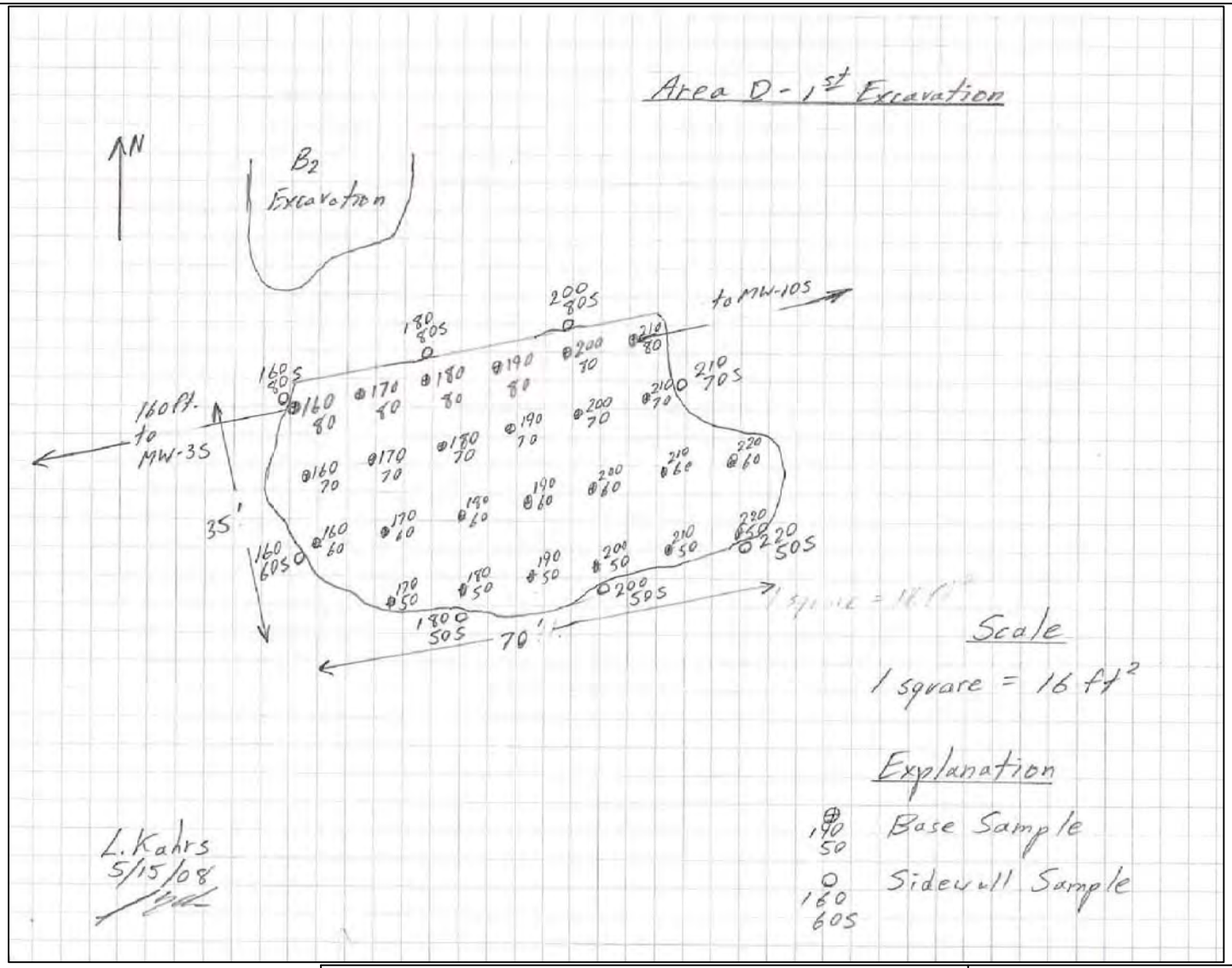
AREA A EXCAVATION				FIGURE 2–2
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0	
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009	
SCALE:	AS NOTED	FILE NO.:	\00632\0330\AREA_A_EXCAV.DWG	



AREA B1 EXCAVATION			FIGURE 2–3
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\AREA_B1_EXCAV.DWG		



AREA B2 EXCAVATION			FIGURE 2-4
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658-7899
DRAWN BY:	D.W. MACDOUGALL	REV.: 0	
CHECKED BY:	B. SMITH	DATE: FEBRUARY 11, 2009	
SCALE:	AS NOTED	ACAD NAME: \00632\0330\AREA_B2_EXCAV.DWG	



AREA D1 EXCAVATION				FIGURE 2–5
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0	
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009	
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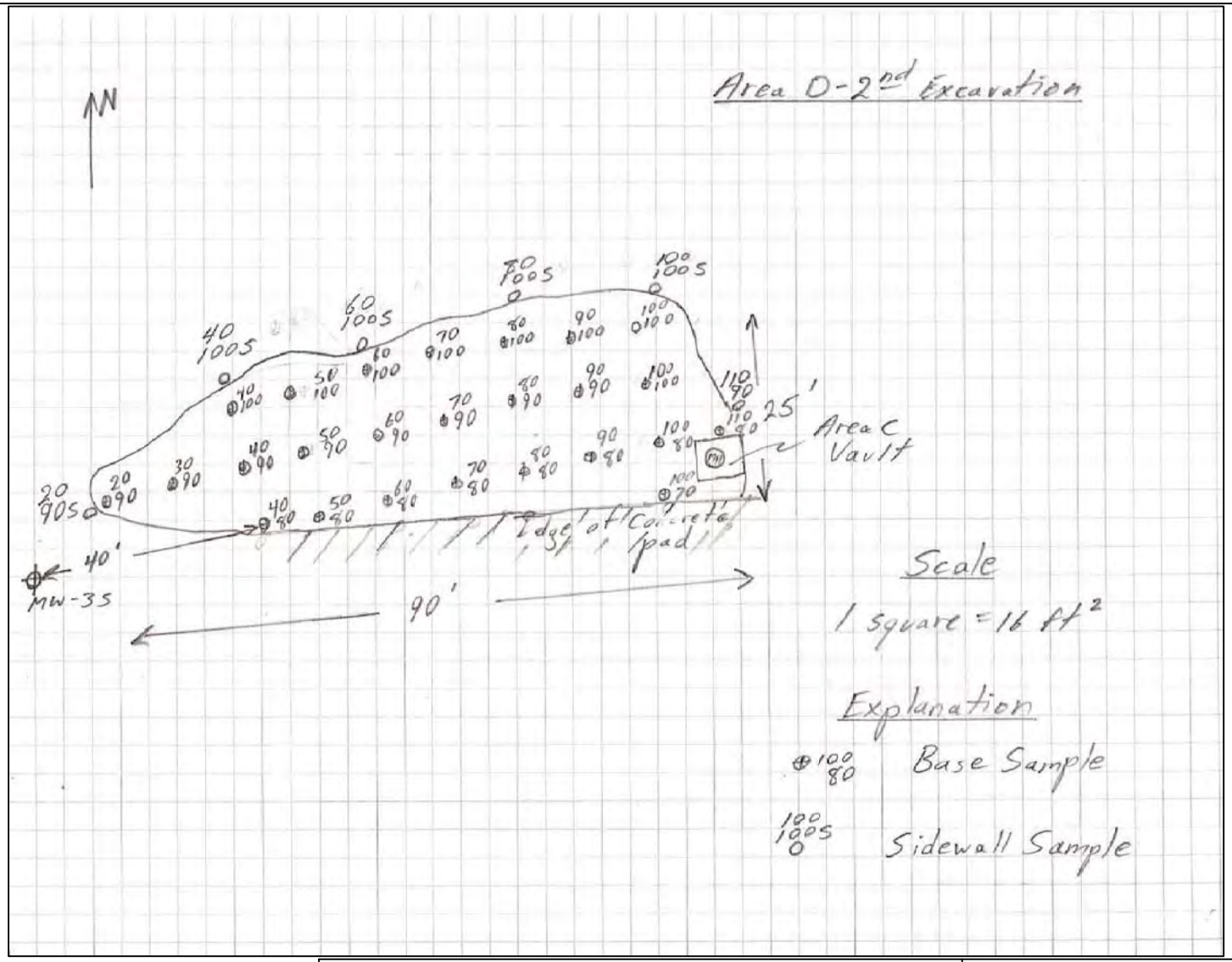
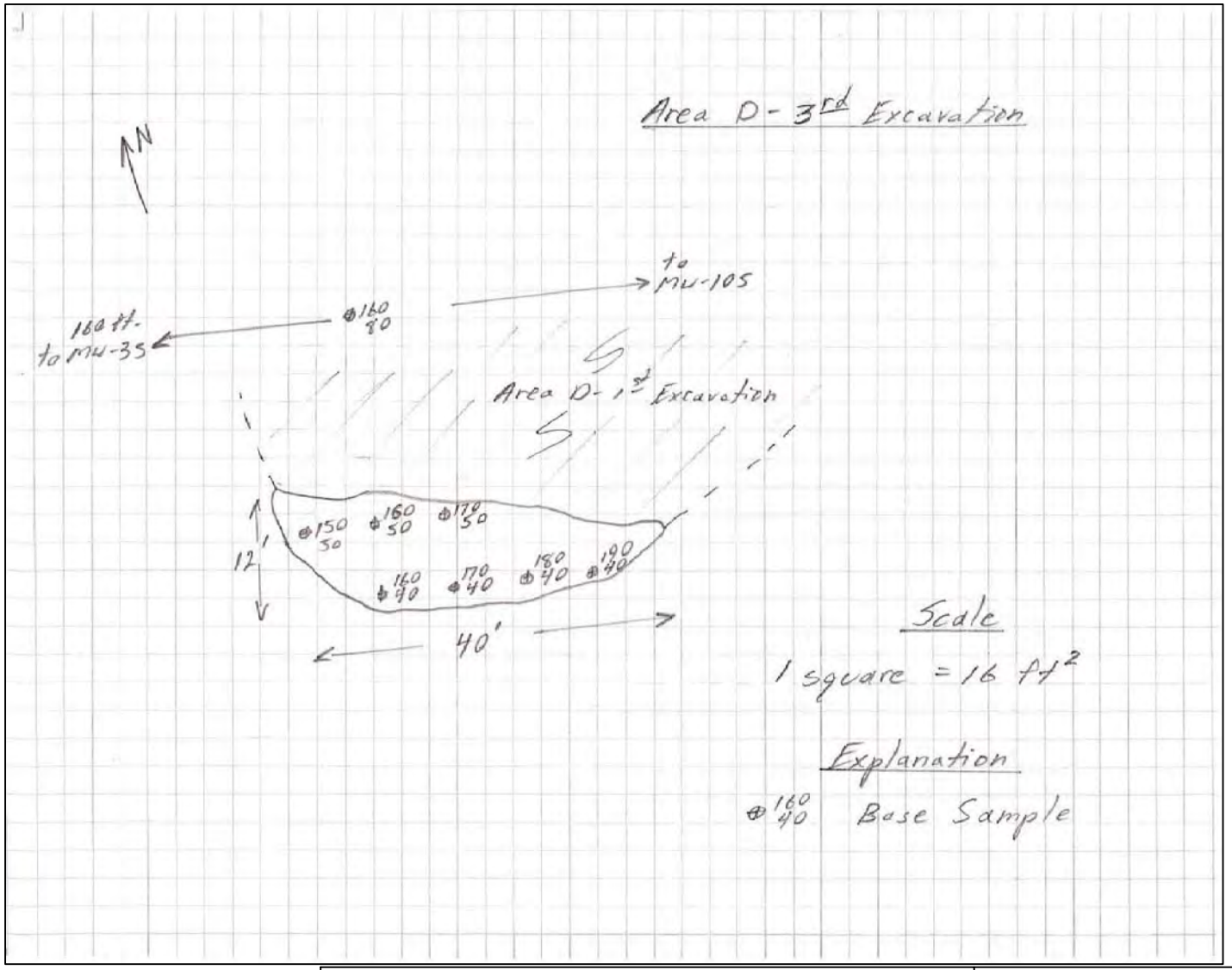
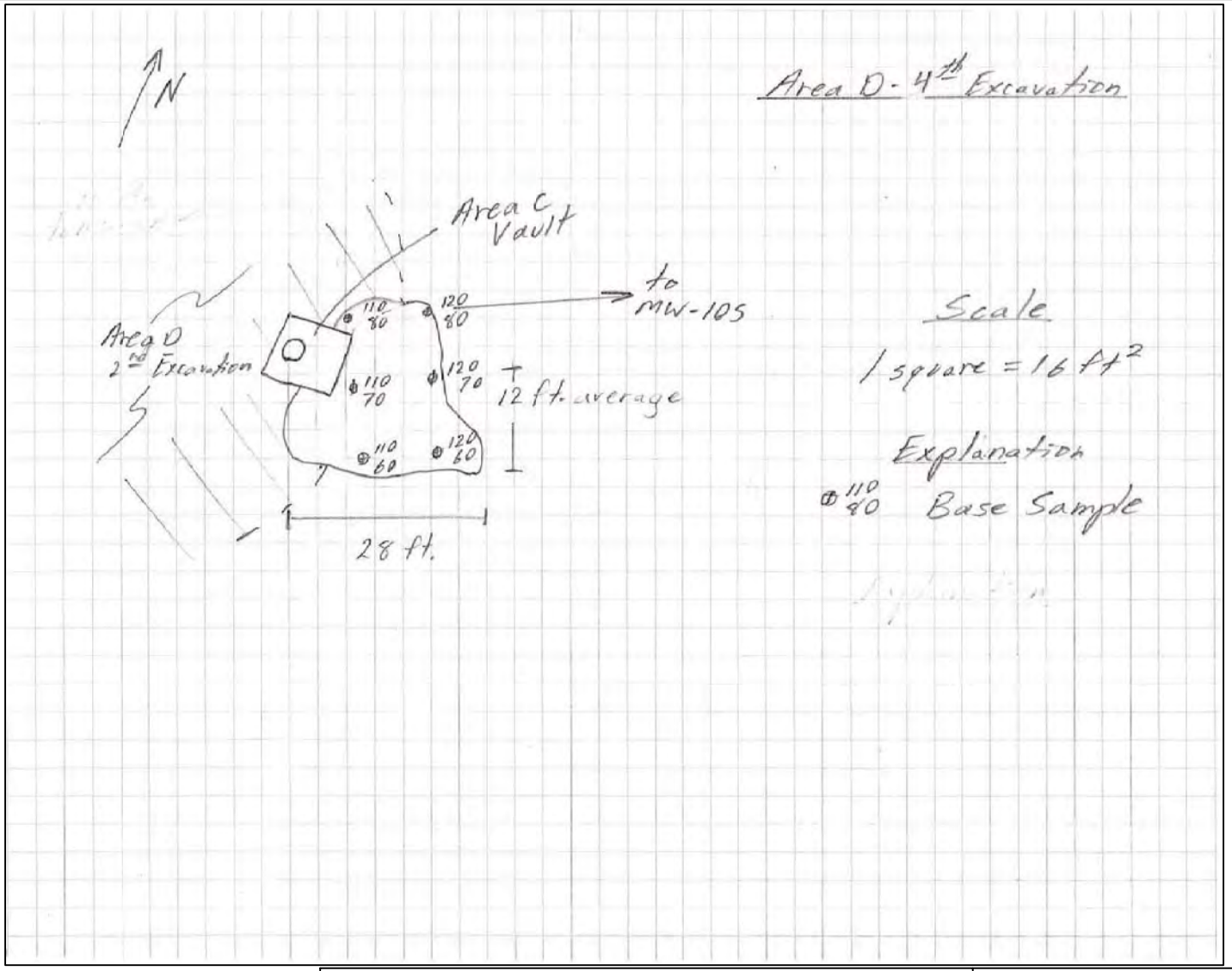


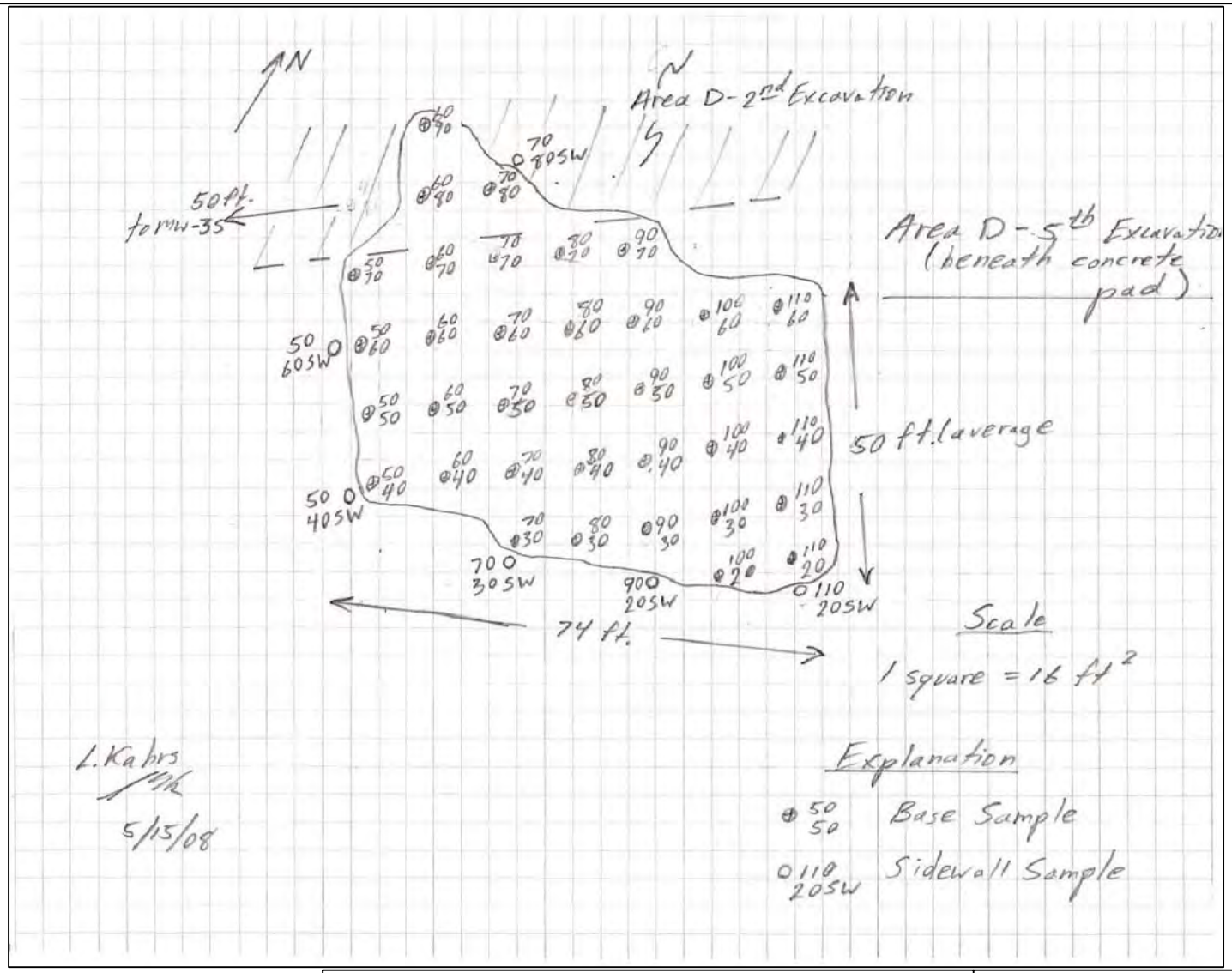
AREA D2 EXCAVATION				FIGURE 2–6
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0	
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009	
SCALE:	AS NOTED	FILE NO.:	\00632\0330\AREA_D2_EXCAV.DWG	



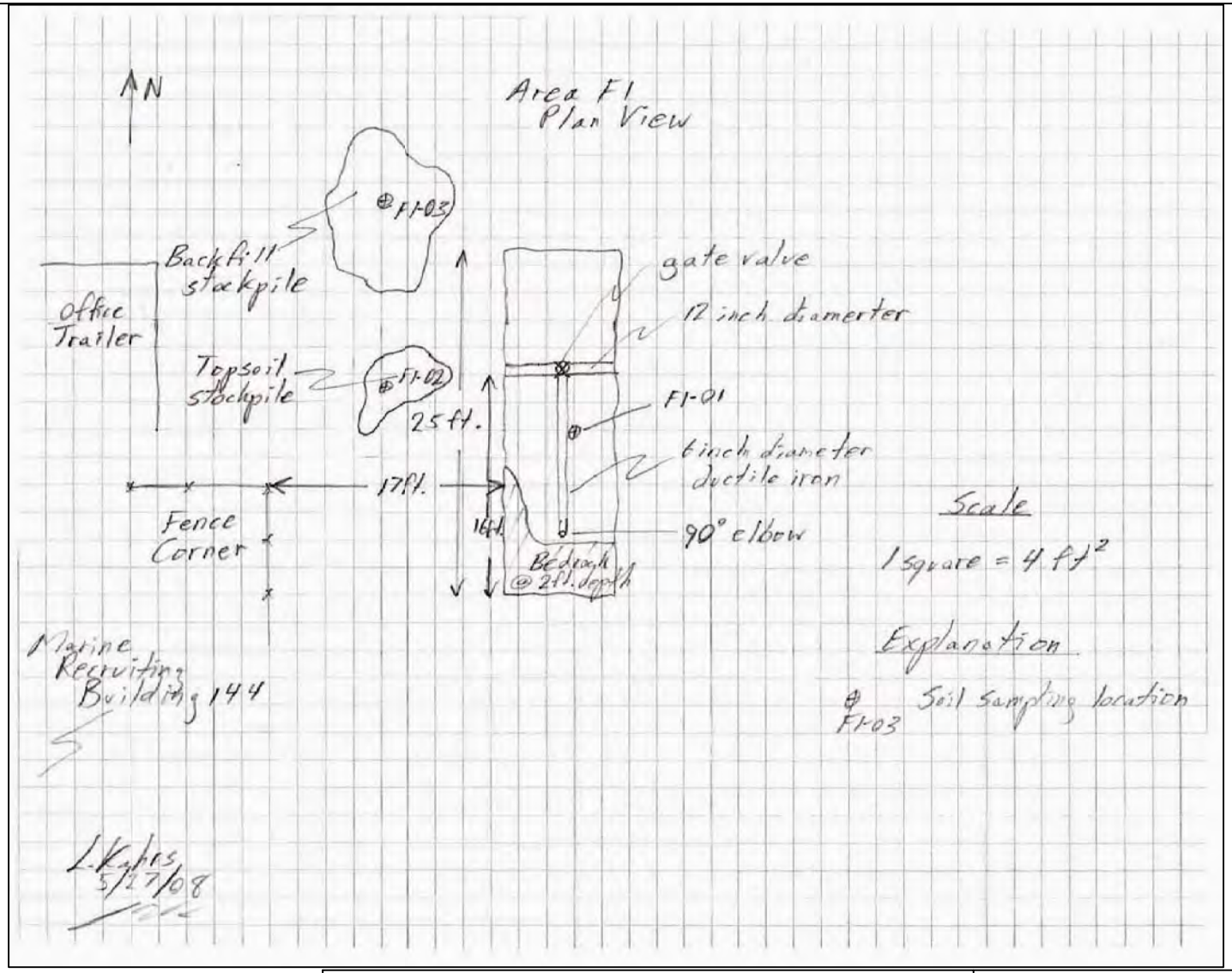
AREA D3 EXCAVATION			FIGURE 2–7
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\AREA_D3_EXCAV.DWG		



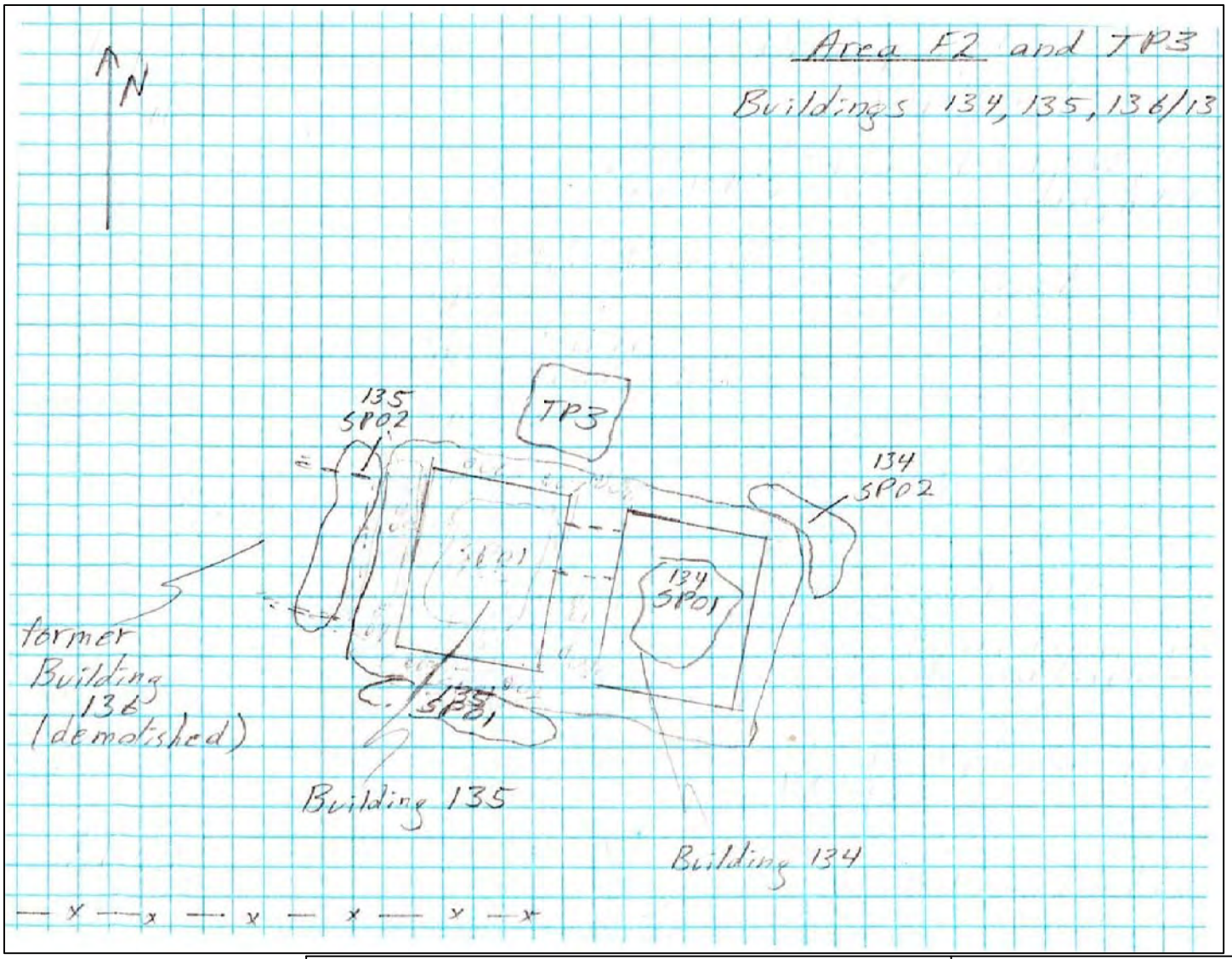
AREA D4 EXCAVATION			FIGURE 2–8
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.: 0	
CHECKED BY:	D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009	
SCALE:	AS NOTED	FILE NO.: \00632\0330\AREA_D4_EXCAV.DWG	



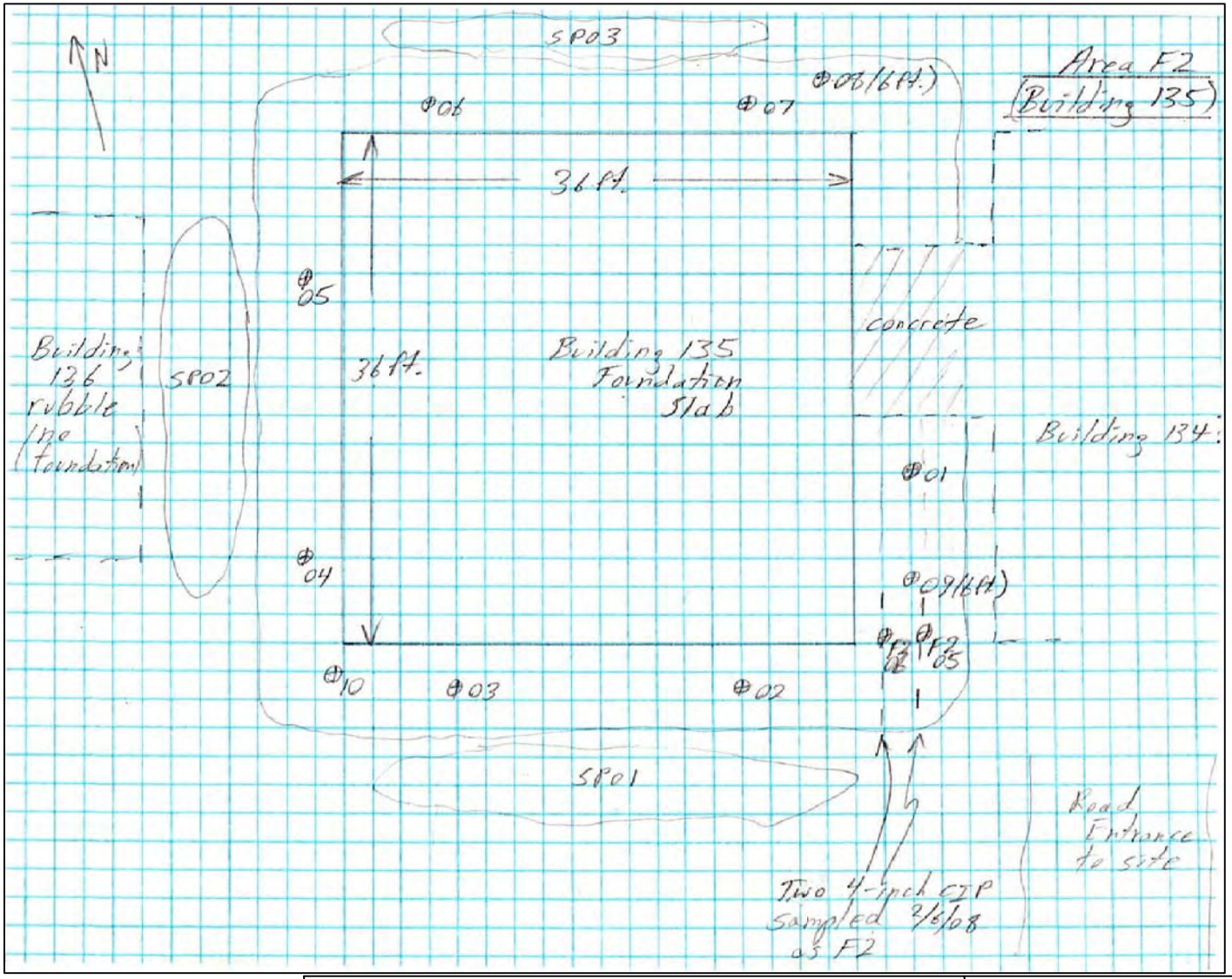
AREA D5 EXCAVATION				FIGURE 2–9
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0	
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009	
SCALE:	AS NOTED	FILE NO.:	\00632\0330\AREA_D5_EXCAV.DWG	



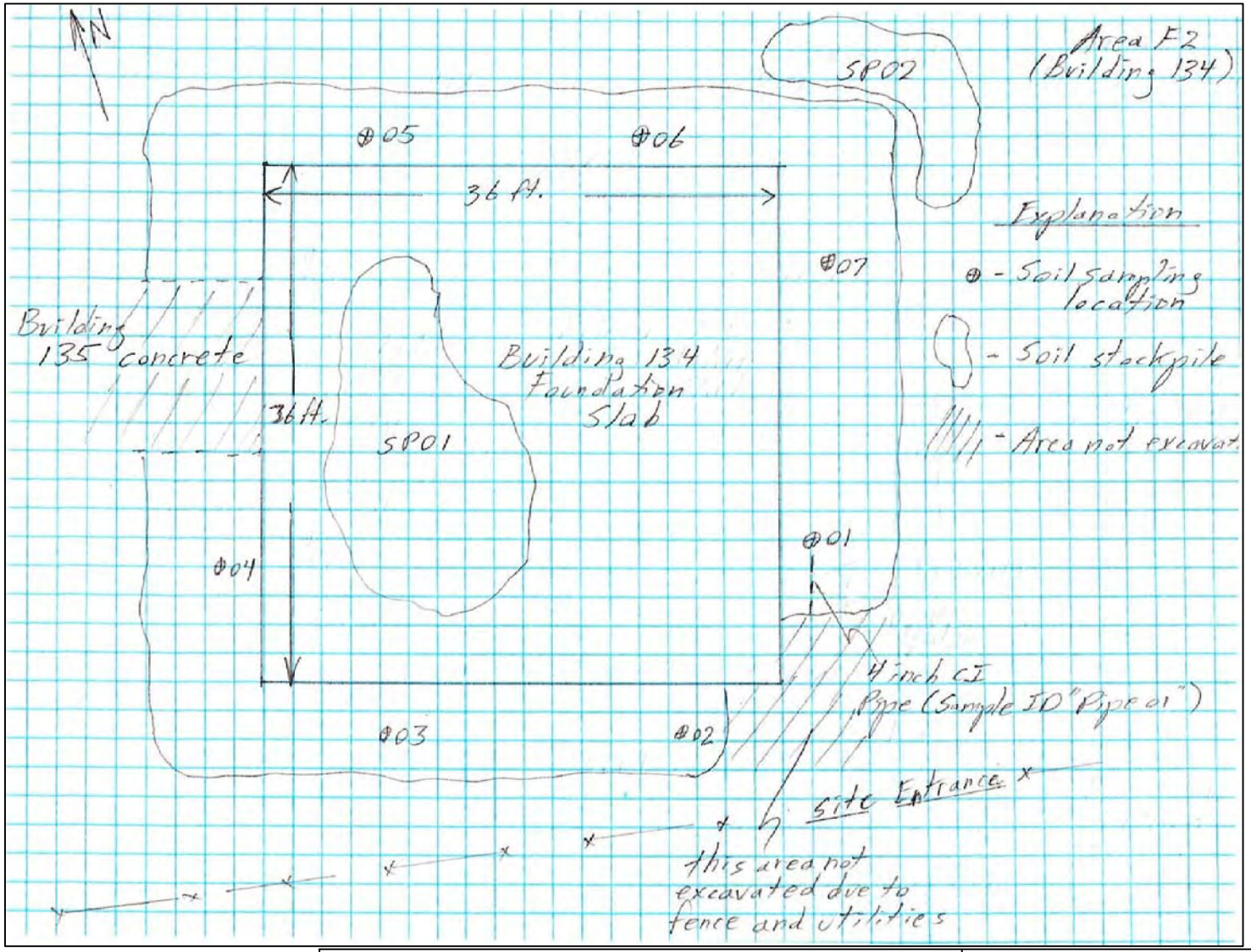
FOUNDATION 1 EXCAVATION			FIGURE 2–10
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\F1_EXCAV.DWG		



FOUNDATION 2 EXCAVATION			FIGURE 2–11
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\F2_EXCAV.DWG		



FOUNDATION 2 – BUILDING 135 EXCAVATION			FIGURE 2–12
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\F2_BLDG135_EXCAV.DWG		



FOUNDATION 2 – BUILDING 134 EXCAVATION			FIGURE 2–13
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009
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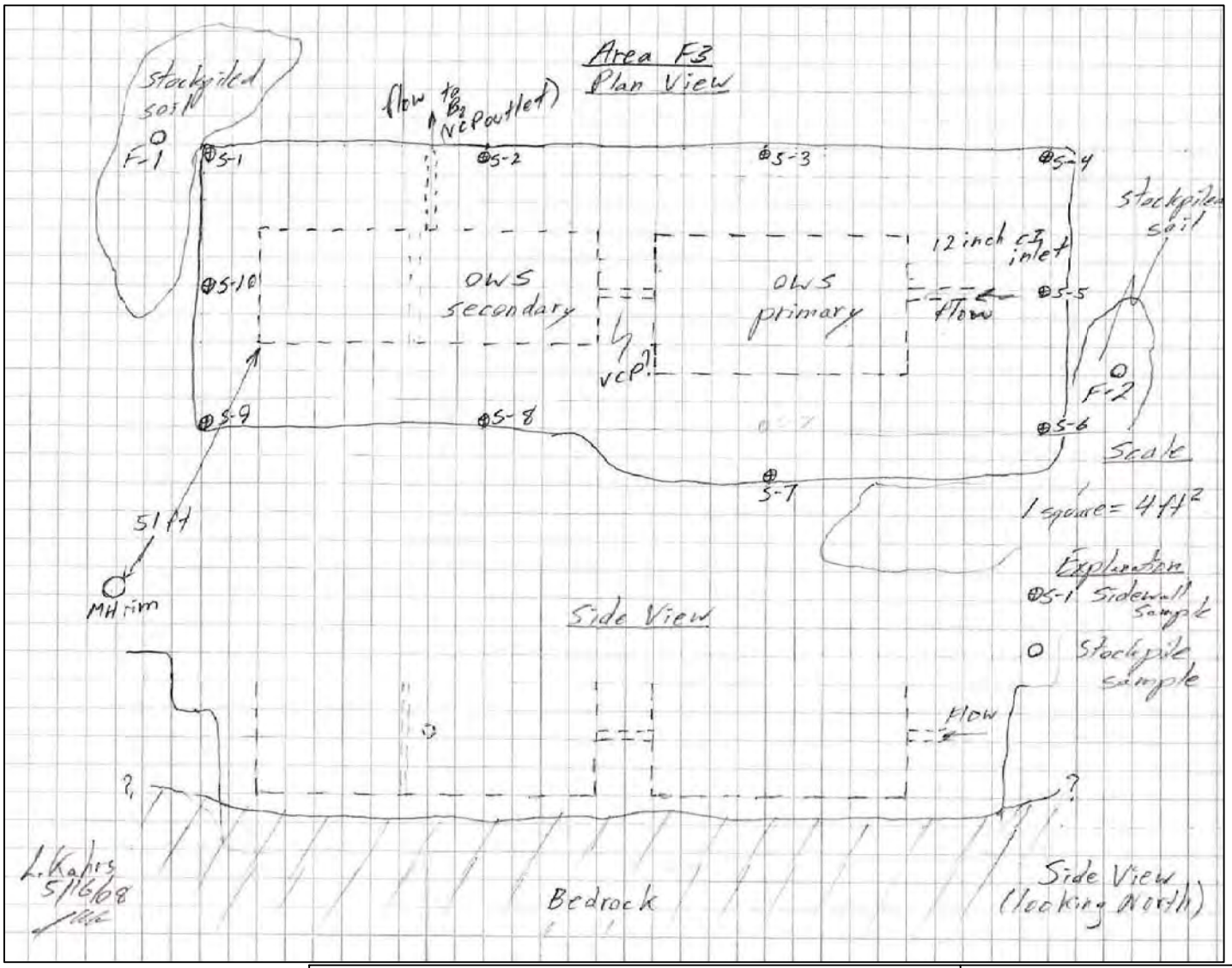

FOUNDATION 3 EXCAVATION			FIGURE 2–14
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
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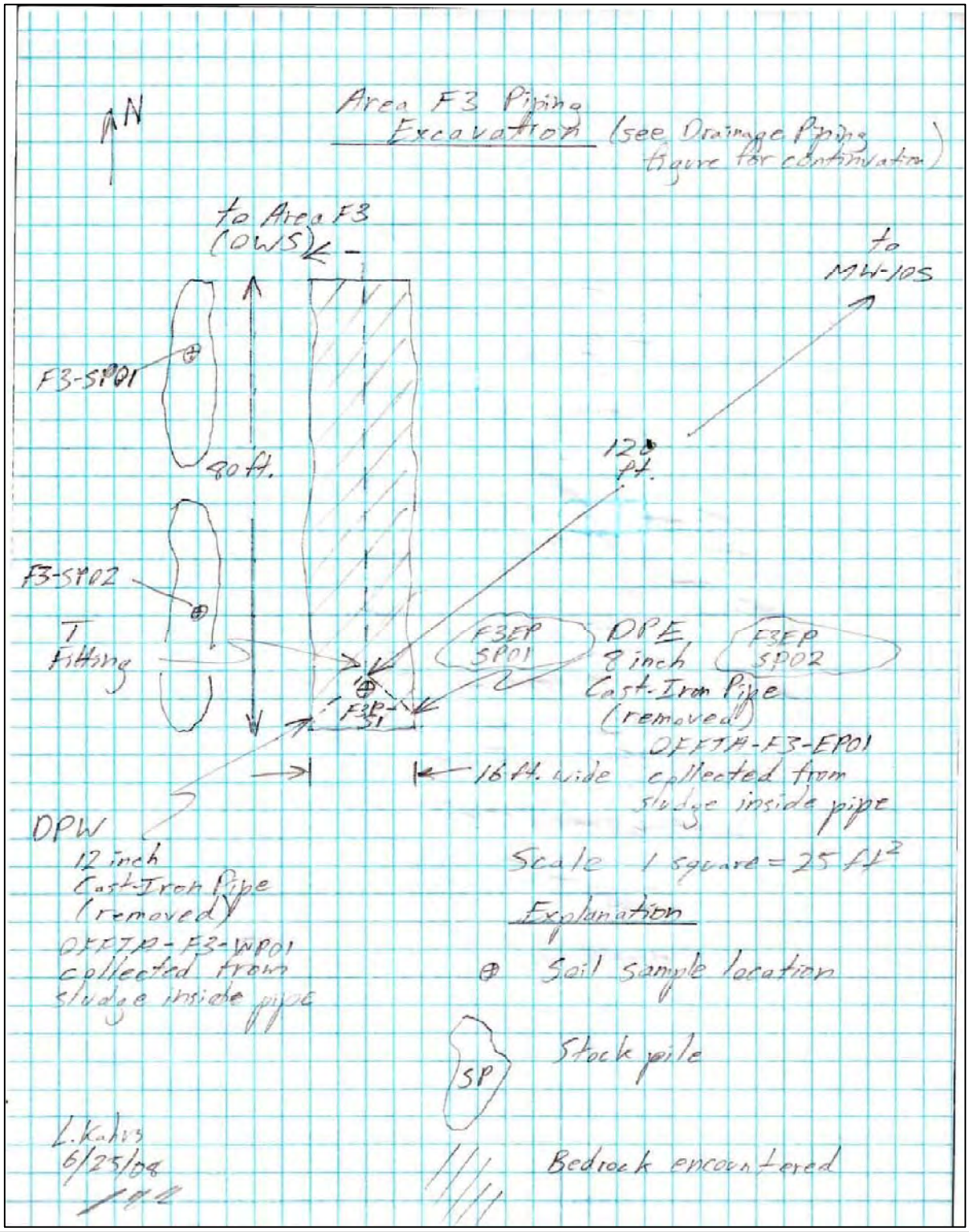

FOUNDATION 3 EXCAVATION				FIGURE 2–15
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	D.W. MACDOUGALL	REV.:	0	
CHECKED BY:	B. SMITH	DATE:	FEBRUARY 11, 2009	
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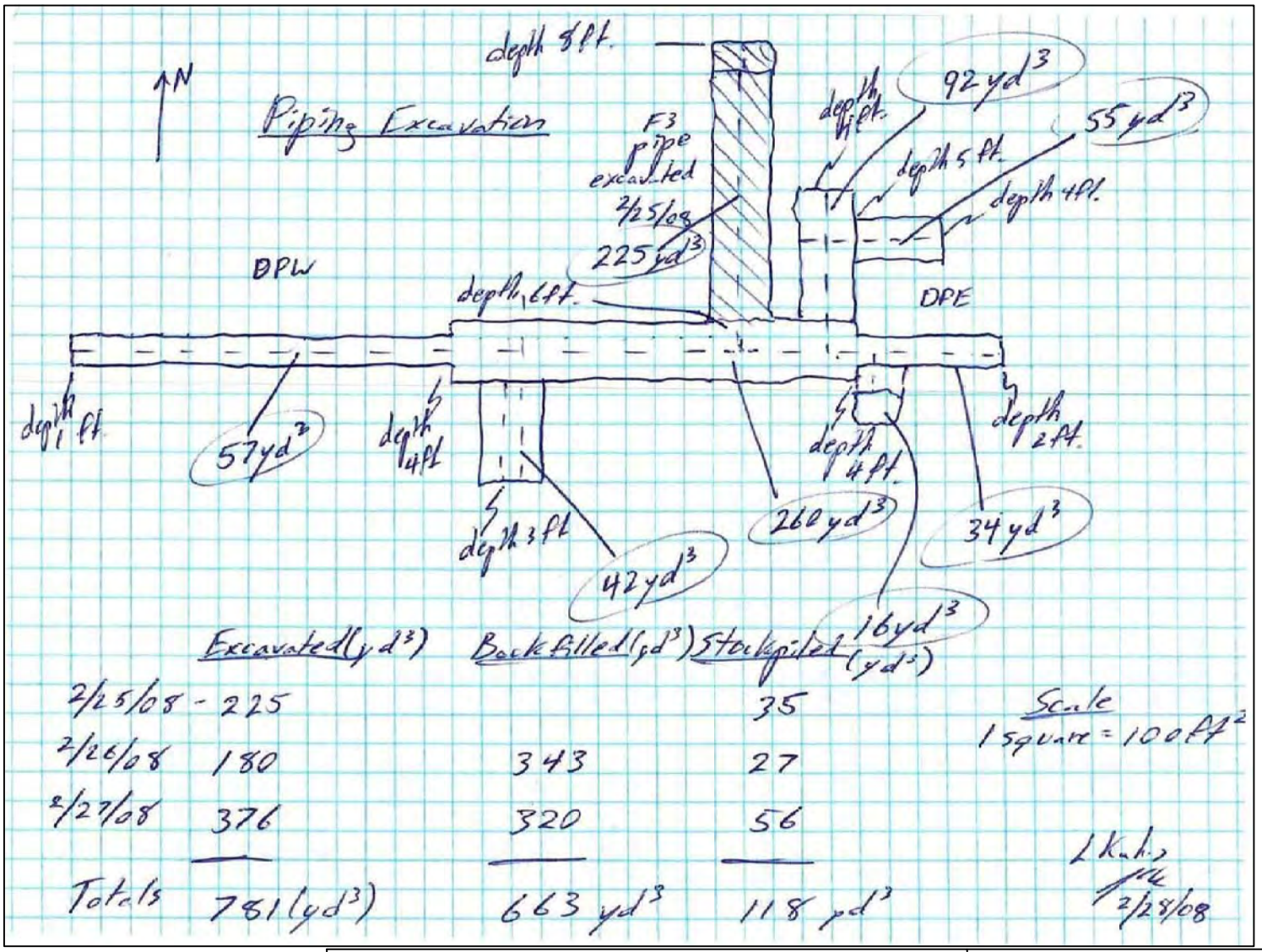
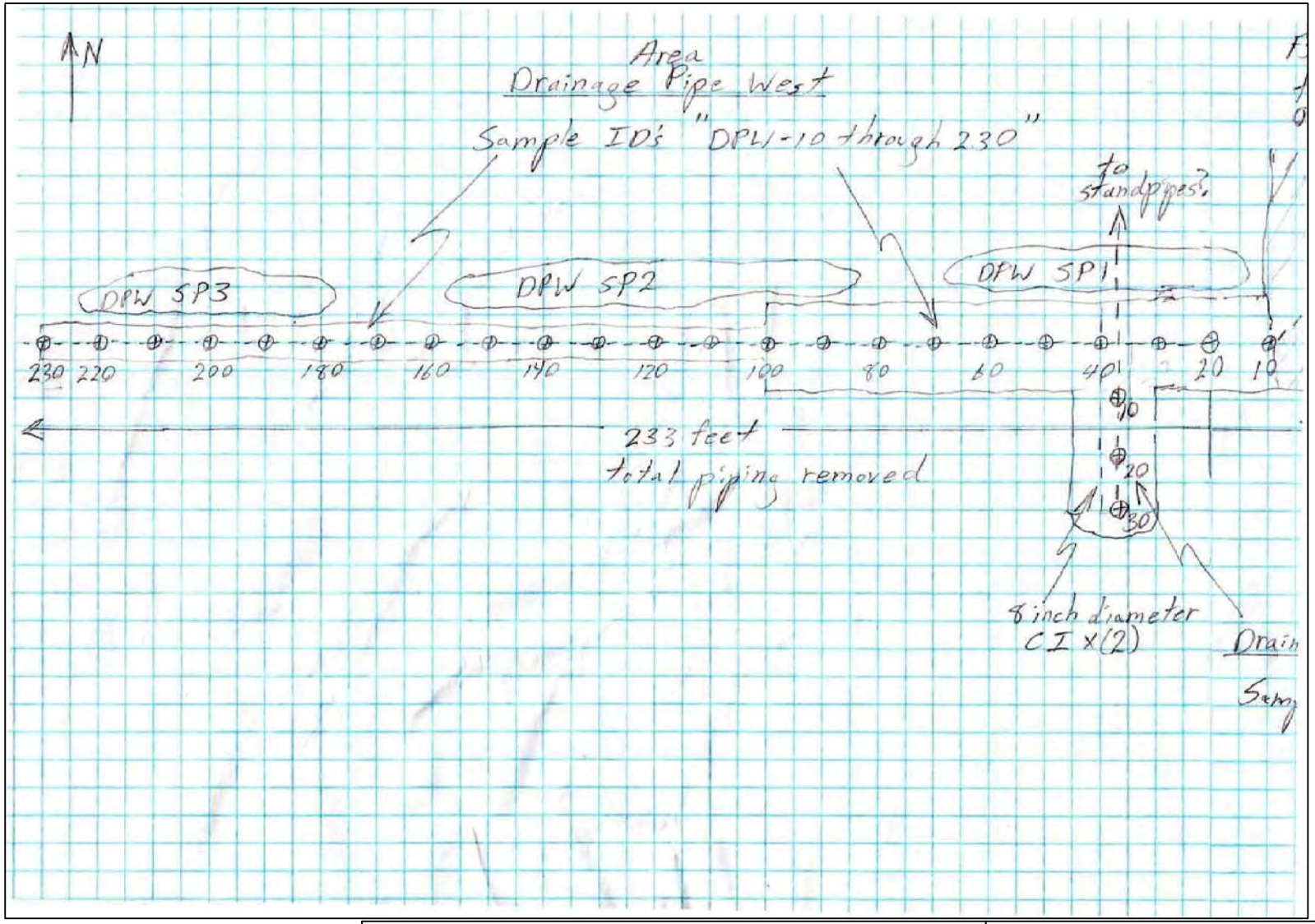


DRAINAGE PIPING EXCAVATION				FIGURE 2–16
SITE 09 – OLD FIRE FIGHTING AREA				TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND				55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY:	B. SMITH	REV.:	0	
CHECKED BY:	D.W. MACDOUGALL	DATE:	FEBRUARY 11, 2009	
SCALE:	AS NOTED	FILE NO.:	\00632\0330\DR_PIP_EXCAV.DWG	



DRAINAGE PIPING WEST EXCAVATION			FIGURE 2–17
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
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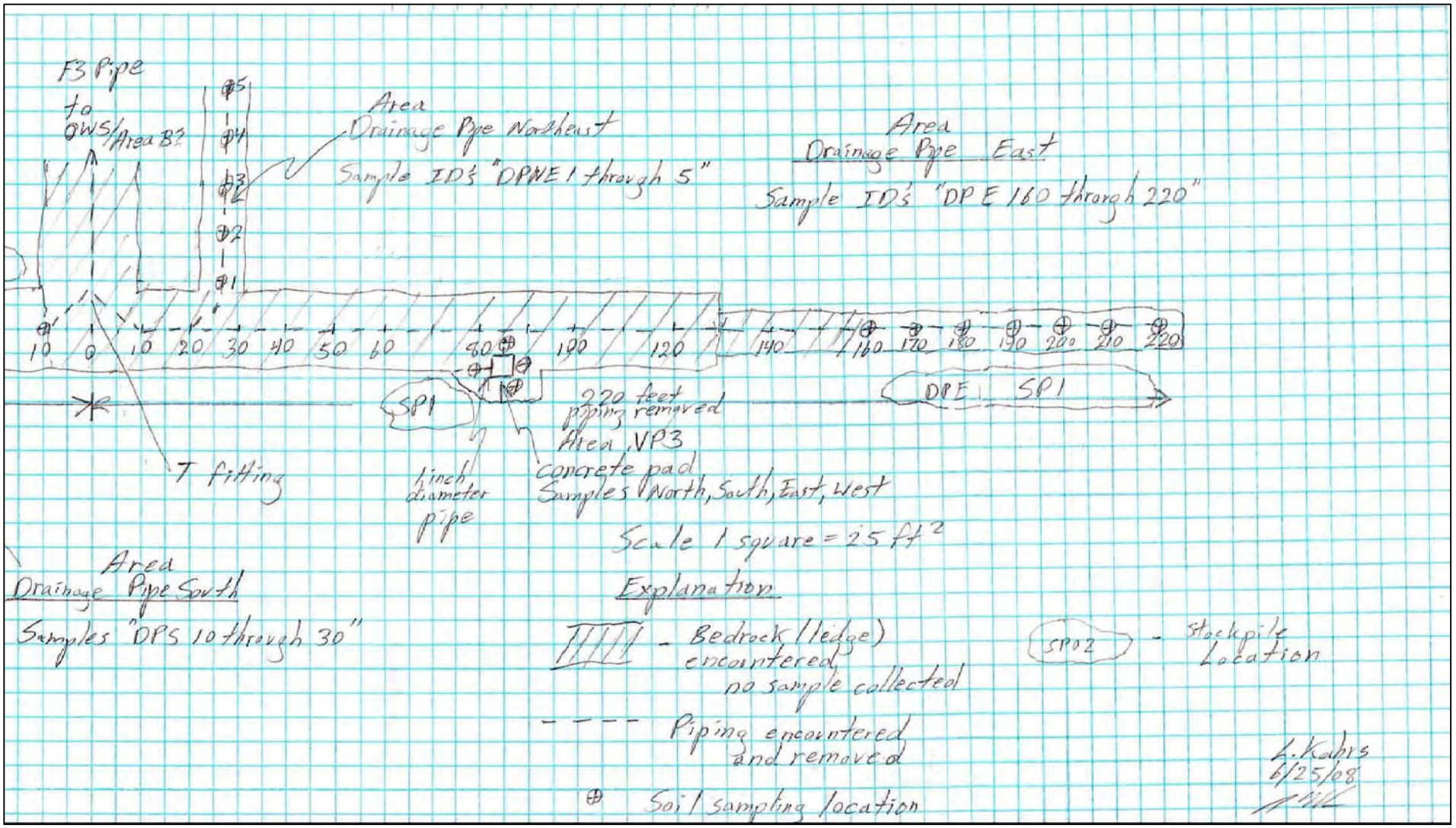


DRAINAGE PIPING EAST EXCAVATION			FIGURE 2–18
SITE 09 – OLD FIRE FIGHTING AREA			TETRA TECH NUS, INC.
NAVSTA NEWPORT – NEWPORT, RHODE ISLAND			55 Jonspin Road Wilmington, MA 01887 (978)658–7899
DRAWN BY: B. SMITH	REV.: 0		
CHECKED BY: D.W. MACDOUGALL	DATE: FEBRUARY 11, 2009		
SCALE: AS NOTED	FILE NO.: \00632\0330\DR_PIP_E_EXCAV.DWG		

REFERENCES

REFERENCES

Navy,1948. Index of Structures for map, U.S. Navy Archives, Naval Education and Training Center (NETC), Newport, Rhode Island. June 30, 1948.

Navy,1959. Index of Structures for map, U.S. Navy Archives, Naval Education and Training Center (NETC), Newport, Rhode Island. August 31, 1959.

Navy,1967. Index of Structures for map, U.S. Navy Archives, Naval Education and Training Center (NETC), Newport, Rhode Island. October 27, 1967.

Navy,1969. Index of Structures for map, U.S. Navy Archives, Naval Education and Training Center (NETC), Newport, Rhode Island. July 31, 1969.

Navy, 2007. Action Memorandum, Non-Time-Critical Removal Action, Old Fire Fighting Training Area (Site 09), Naval Station Newport, Newport, Rhode Island. February 1, 2007 (signed by Navy).

RIDEM, August 2004. Rhode Island Department of Environmental Management (RIDEM) Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (Remediation Regulations), August 2004.

TtNUS, 2002. Feasibility Study for Old Fire Fighting Training Area, Naval Station Newport, Newport, Rhode Island. Tetra Tech NUS, Inc. September 2002.

TtNUS, 2007a. Work Plan for Non-Time-Critical Removal Action, Old Fire Fighting Training Area, Naval Station Newport, Newport, Rhode Island. Tetra Tech NUS, Inc. January 2007.

TtNUS, 2007b. [Subcontract] Statement of Work (SOW) for Excavation, Transportation, Disposal, and Restoration Services, OFFTA Soil Removal Action, Naval Station Newport, Newport, Rhode Island, October 2007.

ATTACHMENT A

GLOBAL REMEDIATION PROJECT CLOSEOUT REPORT

PROJECT CLOSE-OUT REPORT

SUBCONTRACT NO. 1027154

OFFTA SOIL REMOVAL ACTION

NAVAL STATION NEWPORT

NEWPORT, RI

PREPARED FOR:

TETRA TECH NUS, INC.

234 MALL BOULEVARD

SUITE 260

KING OF PRUSSIA, PA 19406-1433

PREPARED BY:

GLOBAL REMEDIATION SERVICES, INC.

1 WESTINGHOUSE PLAZA

HYDE PARK, MA 02136

TK&K SERVICES, LLC

7 FISKE ROAD

WENHAM, MA 01984

OCTOBER 6, 2008

TABLE OF CONTENTS

1. INTRODUCTION 5

1.1 Statement and exceptions to the Work Plan 5

2. WORK PERFORMED AND FINDINGS 6

2.1 Volumes of waste removed 6
2.2 Volumes of Materials Imported 6

1. INTRODUCTION

This Project Close-Out Report has been prepared by TK&K Services, LLC (TK&K) for the Old Fire Fighting Training Area (OFFTA) Soil Removal Action. Tetra Tech NUS, Inc. (TtNUS) contracted Global Remediation Services, Inc. (Global) under subcontract # 1027154 for the field services associated with the project. TK&K supported Global during the project with responsibilities for soil sampling and site quality controls (QC), including all project submittals. As specified in the TtNUS Statement of Work (SOW) for the project, a Close-Out Report is required at the conclusion of the project. This report is intended to satisfy this requirement.

Specifically, this report provides the following information relative to the project:

- A statement that the work was conducted in accordance with the Work Plan, with any exceptions noted
- A summary of volumes of material shipped and disposed of at each location
- A summary of volumes of each type of material shipped and disposed of
- Copies of the Manifests/bills of lading, and certified weight slips as described above
- Copies of Certificates of Treatment/Disposal as described above

Other pertinent site information including drawings, specific removal volumes and analytical data were provided during the course of the project as individual submittals.

1.1 Statement and exceptions to the Work Plan

All work was conducted in accordance with the SOW and Final Work Plan. The following exceptions to these documents were noted during the course of the project:

- Results of waste characterization analysis for several stockpiles indicated levels of lead above RCRA hazardous waste criteria. These soils were subsequently treated on site prior to off site disposal at a hazardous waste subtitle D landfill. On site soil stabilization was used consisting of a proprietary blend of magnesium oxide and calcium phosphates.
- Laboratory analysis used to correlate Petroflag field results was modified to include gasoline range organics (GRO) in addition to diesel range organics (DRO).
- A valve pit and two associated 8" water lines were exposed and "hot" tapped to confirm that they were not petroleum supply lines.

2. WORK PERFORMED AND FINDINGS

This portion of the Project Close-out Report summarizes the volumes of waste material removed from the site.

2.1 Volumes of waste removed

Table 1 provides a summary of the waste volumes removed from the site:

Table 1
Old Fire Fighting Training Area Soil Removal Action
Waste Volumes

See "Remedial Action Completion Report" - Table on page 4-1, Section 4.0, which presents corrected information. JRF

Remediation Waste Stream	Date of Removal	Quantity	Units	Disposal Facility
Liquid Waste (NAPL)	1/23/2008 - 2/21/2008	58,630	gallons	New Stream, LLC Attleboro, MA
Liquid Waste (oil & water)	1/30/2008 - 6/16/2008	1,875	gallons	Cyn Oil Corporation Stoughton, MA
Rubble and Debris	1/28/2008 – 2/25/2008	426.28	tons	J.A.M. Materials Corp. Middletown, RI
Petroleum Contaminated concrete/debris	4/20/2008 – 5/5/2008	73.3	tons	Waste Management (Turnkey Landfill) Rochester, NH
Petroleum Contaminated soil	4/30/2008 – 5/5/2008	282.82	tons	Waste Management (Turnkey Landfill) Rochester, NH
Hazardous Waste soils	4/4/2008 – 5/4/2008	1,757.46	tons	Waste Management Taunton Landfill Taunton, MA

Copies of the manifests, weight slips and bill of ladings for these waste streams can be found in Appendix A.

2.2 Volumes of Materials Imported

Table 1 provides a summary of the waste volumes removed from the site:

Table 2
Old Fire Fighting Training Area Soil Removal Action
Imported Fill Material Volumes

Material Type	Date of Delivery	Quantity	Units	Source Facility
Crushed Stone Installed below water table	1/30/2008 – 2/19/2008	313.63	tons	Attleboro Sand and Gravel Attleboro, MA
Imported Clean Fill (subgrade)	1/31/2008 – 5/5/2008	1,261.62	tons	J.A.M. Materials Middletown, RI
Topsoil, loam seed	3/25/2008 – 4/25/2008	1,027.98	tons	J.A.M. Materials Middletown, RI

Copies of the weight slips for imported fill materials can be found in Appendix B.

APPENDIX A

EXCAVATION AREA SUMMARY PACKAGES

Naval Station Newport, RI – Old Fire Fire Fighting Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **A**

SIZE (linear feet)
Length 45 **Width** 34 **Depth** 9

DESCRIPTION OF EXCAVATION ACTIVITIES

Original excavation commenced on 1/17/08 to expose Area A west of 24-inch RCP running north/south through area. Top 18 inches of material removed and segregated clean (later sampled as WC-01). Eastern portion of Area A sampled and screened on 1/18/08. Dewatering sump installed in northeast corner of eastern excavation to allow excavation to desired depth of 9 feet below grade.

Eastern portion of Area A excavated to depth of 9 feet below grade on 1/22/08 and sampled same day. Dewatering sump installed in northwest corner of eastern excavation.

Contaminated material segregated and comprised WC-02 and WC03. Samples designated TS and BF are off-site material from JAM Materials (topsoil and backfill).

Area A backfilled on 1/31/08 and sumps removed to allow placement of crushed stone and filter fabric.

EXCEPTIONS TO WORK PLAN (IF ANY)

Narrow strip of soil left adhering to eastern side of 2-inch RCP - had discussed sampling adjacent to this pipe, but soil frozen to pipe and precluded removal.

Screening samples B-1 and B-17 collected during sump removal. Sample B-17 collected from northwest corner of eastern excavation is duplicate sample ID as center of eastern excavation - dates designate samples.

AREA DESIGNATION **A**

SAMPLING SUMMARY

Soil Samples

Location
B – Base (see diagram)
S – Sidewall Sample (see diagram)

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (petroflag)	TPH	VOCs	PAHs	SVOCs	PCBs	Metals	
A	B-5	9	728	338						
A	B-8	9	5202	3110						
A	B-15	9	4504	2450						
A	S-6	5	1954	1940						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **5**

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Sand and gravel, fill, brick and rubble**

Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 364 CY (see attached calculation sheets)

Area A

PetroFLAG®

(17)

Hydrocarbon Test Kit - Field Data Sheet

-3

Date: 1/18/08 Calibration Time/Date: 1330 1/18/08

Operator: L. Kahrs Calibration Temperature: 18.6C

Location: Newport OFFTA

TPH 8015M(DRO)

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	WC01	11.5 21.5	1310	111		7		62.1
2	WC02	11.2 21.2		105				421
3	B3	11.5 21.4		379				
4	B4	11.5 21.4		2584				
5	B5	11.1 21.2		728				338
6	B6	11.2 21.3		2290				
7	B7	11.2 21.2		2158				
8	*B8	11.4 16.4		2601	2		5202	3110
9	*B9	11.1 16.1		241	2		482	
10	S1	11.1 21.2	1337	65				
11	Std			1000				
12	B			0				
13	S2	11.4 ~~5~~ 21.4	1600	421				
14	S3	11.2 21.1		820				
15	S4	11.5 21.4		1208				
16	WC03	11.4 21.3		405				
17	WC03D	11.2 21.2		1727				
18								
19								
20								

18.2C

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area ~~B~~ A East

(16)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 1/22/08
Operator: L. Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1/22/08
Calibration Temperature: 14.8 C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	B10	11.5/21.6	1450/1/22/08	2087				
2	B11	11.3/21.3		2051				
3	B12	11.4/21.5		2415				
4	B13	11.4/21.4		2195				
5	B14	11.4/21.5		2291				
6	B15	11.1/16.2		2252	2		4504	
7	B16	11.2/16.2		1337	2		2674	
8	B16D	11.3/16.3		189	2		378	
9	B17	11.5/21.4		134				
10	~~B~~ S5	11.1/21.2		1475				
11	S6	11.4/21.3		1954				
12	S7	11.1/21.0		360				
13	S8	11.5/21.4		1467				
14	S9	11.5/21.5	1511/1/22/08	2150				
15 2	Blank	—		Ø				
16 1	Standard	—		1000				
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area D
Area A remnant
WC

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

-1

Date: 1/31/08
Operator: L. Kahrs
Location: Newport OFFTA

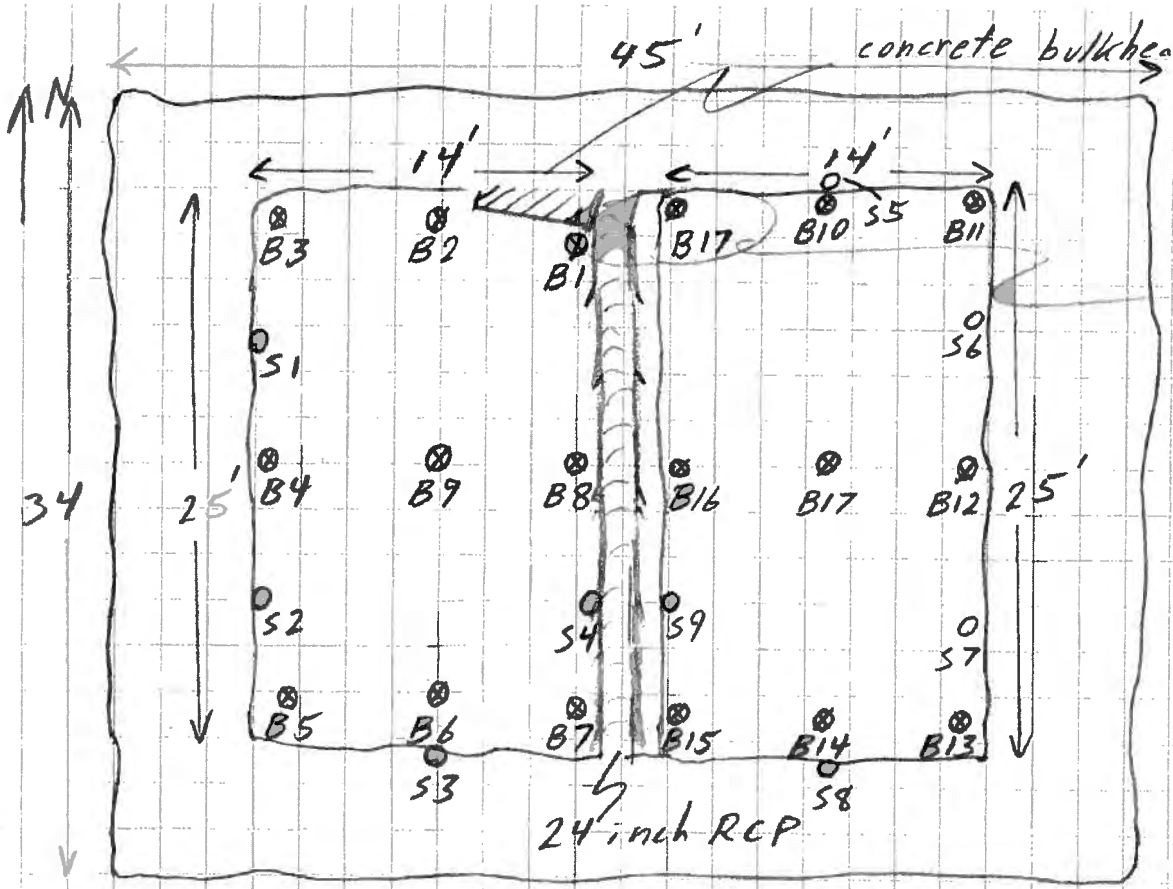
Calibration Time/Date: 1/31/07
Calibration Temperature: 21.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	D160-605D ~~D220-60~~	10.0	3:00	1406	1	7	1406	
2	A-B1	1.0	3:01	205	10	7	2050	
3	A-B17	1.0	3:02	809	10	7	8090	
4	A-B2	1.0	3:02	99	10	7	990	
5	WC-09	2.0	3:03	EEEE	5	7	EEEE	
6	WC-10	2.0	3:03	EEEE	5	7	EEEE	
7	WC-11	10.0	3:04	323	1	7	323	
8	D220-60	2.0	3:05	710	5	7	3550	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

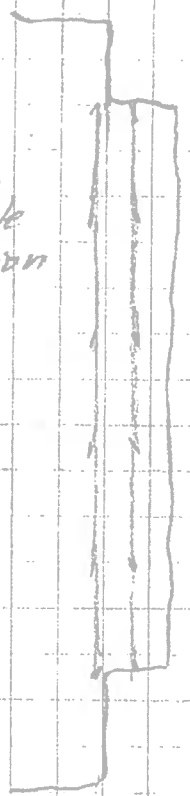
[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area A

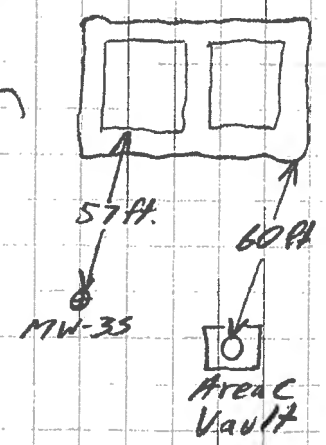


Top View



Side View
(looking west)

Area Location Map



Side View
(looking North)

Scale

1 square = 4 ft^2
no vertical exaggeration

Explanation

B5 Base Sample Location

S2 Sidewall Sample Location

L. Kahrs
2/7/08

Area A

1st Bench

$$34\,ft(45\,ft)(4\,ft) = 6120\,ft^3\left(\frac{yd^3}{27\,ft^3}\right) = 227\,yd^3$$

2nd Bench

$$2\cdot(14\,ft)(25\,ft)(4\,ft) = 2800\,ft^3\left(\frac{yd^3}{27\,ft^3}\right) = 104\,yd^3$$

$$\text{Total}_{\text{Area A}} = 227\,yd^3 + 104\,yd^3$$

$$= 331\,yd^3 \left(1.1 \text{ expansion factor}\right)$$

$$= 364\,yd^3$$

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801234

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 25, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 18, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801234-01	Soil	OFFTA-BF
0801234-02	Soil	OFFTA-TS
0801234-03	Soil	OFFTA-WC02
0801234-04	Soil	OFFTA-A-B5
0801234-05	Soil	OFFTA-A-B8
0801234-06	Soil	OFFTA-WC01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

BRA0175-CCV1 **Continuing Calibration recovery is below lower control limit.**
2-Butanone, 2-Hexanone, Tetrahydrofuran

8270C Semi-Volatile Organic Compounds

BA82115-BS1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline 2,4-Dinitrophenol, Hexachlorocyclopentadiene, Pyridine

BA82115-BSD1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline, Hexachlorocyclopentadiene, 3+4-Methylphenol, Pyridine

BA82115-BSD1 **Relative percent difference for duplicate is outside of criteria.**
2,4-Dinitrophenol, 3+4-Methylphenol, 4,6-Dinitro-2-Methylphenol, Benzoic Acid

BA82115-MS1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, 4-Nitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, Pyridine

BA82115-MSD1 **Majority of compounds are outside crtieria for RPD due to matrix interferences.**

BA82115-MSD1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene

BA82115-MSD1 **Surrogate recovery(ies) below lower control limit.**

BRA0190-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 6.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.122	2.5	1	01/24/08
Ethylbenzene	ND	mg/kg dry	0.122	71	1	01/24/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.122	390	1	01/24/08
Toluene	ND	mg/kg dry	0.122	190	1	01/24/08
Xylene O	ND	mg/kg dry	0.122	110	1	01/24/08
Xylene P,M	ND	mg/kg dry	0.244	110	1	01/24/08
Xylenes (Total)	ND	mg/kg	0.348	110	1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	38.9		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 6.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.138	2.5	1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.138	71	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.138	390	1	01/21/08
Toluene	ND	mg/kg dry	0.138	190	1	01/21/08
Xylene O	ND	mg/kg dry	0.138	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.277	110	1	01/21/08
Xylenes (Total)	ND	mg/kg	0.357	110	1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*78 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Arsenic	ND	mg/kg dry	3.3	6010B	7	1	JP	01/19/08	1.77	100
Barium	**29.4**	mg/kg dry	3.3	6010B	5500	1	JP	01/19/08	1.77	100
Cadmium	ND	mg/kg dry	0.66	6010B	39	1	JP	01/19/08	1.77	100
Chromium	**11.6**	mg/kg dry	1.3	6010B	1400	1	JP	01/19/08	1.77	100
Lead	**185**	mg/kg dry	6.6	6010B	150	1	JP	01/19/08	1.77	100
Mercury	**0.219**	mg/kg dry	0.038	7471A	23	1	JP	01/19/08	0.61	40
Selenium	ND	mg/kg dry	6.6	6010B	390	1	SVD	01/22/08	1.77	100
Silver	ND	mg/kg dry	0.66	6010B	200	1	JP	01/19/08	1.77	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.265	0.0876	2.2	1	01/21/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.133	0.0345	540	1	01/21/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.133	0.0398	1.3	1	01/21/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.133	0.0425	3.6	1	01/21/08
1,1-Dichloroethane		ND	mg/kg dry	0.133	0.0372	920	1	01/21/08
1,1-Dichloroethene		ND	mg/kg dry	0.133	0.0319	0.2	1	01/21/08
1,1-Dichloropropene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.133	0.0292	96	1	01/21/08
1,2,4-Trimethylbenzene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.796	0.265	0.5	1	01/21/08
1,2-Dibromoethane		ND	mg/kg dry	0.133	0.0292	0.01	1	01/21/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.133	0.0292	510	1	01/21/08
1,2-Dichloroethane		ND	mg/kg dry	0.133	0.0292	0.9	1	01/21/08
1,2-Dichloropropane		ND	mg/kg dry	0.133	0.0372	1.9	1	01/21/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.133	0.0319	430	1	01/21/08
1,3-Dichloropropane		ND	mg/kg dry	0.133	0.0265		1	01/21/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.133	0.0345	27	1	01/21/08
1,4-Dioxane - Screen		ND	mg/kg dry	13.3	6.64		1	01/21/08
1-Chlorohexane		ND	mg/kg dry	0.133	0.0345		1	01/21/08
2,2-Dichloropropane		ND	mg/kg dry	0.265	0.0664		1	01/21/08
2-Butanone		ND	mg/kg dry	3.32	0.664	10000	1	01/21/08
2-Chlorotoluene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
2-Hexanone		ND	mg/kg dry	1.33	0.186		1	01/21/08
4-Chlorotoluene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
4-Isopropyltoluene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
4-Methyl-2-Pentanone		ND	mg/kg dry	1.33	0.186	1200	1	01/21/08
Acetone		ND	mg/kg dry	3.32	1.06	7800	1	01/21/08
Benzene	J	**0.0849**	mg/kg dry	0.133	0.0398	2.5	1	01/21/08
Bromobenzene		ND	mg/kg dry	0.133	0.0292		1	01/21/08
Bromochloromethane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
Bromodichloromethane		ND	mg/kg dry	0.133	0.0372	10	1	01/21/08
Bromoform		ND	mg/kg dry	0.133	0.0425	81	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.265	0.0664	0.8	1	01/21/08
Carbon Disulfide	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Carbon Tetrachloride	ND	mg/kg dry	0.133	0.0372	1.5	1	01/21/08
Chlorobenzene	ND	mg/kg dry	0.133	0.0292	210	1	01/21/08
Chloroethane	ND	mg/kg dry	0.265	0.0876		1	01/21/08
Chloroform	ND	mg/kg dry	0.133	0.0319	1.2	1	01/21/08
Chloromethane	ND	mg/kg dry	0.265	0.0425		1	01/21/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0398	630	1	01/21/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0292		1	01/21/08
Dibromochloromethane	ND	mg/kg dry	0.133	0.0265	7.6	1	01/21/08
Dibromomethane	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Dichlorodifluoromethane	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Diethyl Ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Di-isopropyl ether	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.133	0.0265		1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.133	0.0319	71	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.133	0.0425	8.2	1	01/21/08
Isopropylbenzene	ND	mg/kg dry	0.133	0.0292	27	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.133	0.0319	390	1	01/21/08
Methylene Chloride	ND	mg/kg dry	0.664	0.0531	45	1	01/21/08
Naphthalene	**0.828**	mg/kg dry	0.133	0.0398	54	1	01/21/08
n-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
n-Propylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
sec-Butylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
Styrene	ND	mg/kg dry	0.133	0.0345	13	1	01/21/08
tert-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Tetrachloroethene	ND	mg/kg dry	0.133	0.0425	12	1	01/21/08
Tetrahydrofuran	ND	mg/kg dry	1.33	0.345		1	01/21/08
Toluene	**0.157**	mg/kg dry	0.133	0.0372	190	1	01/21/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0425	1100	1	01/21/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Trichloroethene	ND	mg/kg dry	0.133	0.0319	13	1	01/21/08
Trichlorofluoromethane	ND	mg/kg dry	0.133	0.0372		1	01/21/08
Vinyl Acetate	ND	mg/kg dry	0.664	0.0531		1	01/21/08
Vinyl Chloride	ND	mg/kg dry	0.133	0.0319	0.02	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.133	0.0265	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.265	0.0664	110	1	01/21/08
Xylenes (Total)	ND	mg/kg dry	0.398		110	1	01/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*90 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**421**	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 19.4
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/18/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1221	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1232	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1242	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1248	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1254	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1260	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1262	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1268	ND	mg/kg dry	0.0599	10	1	01/20/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*93 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*95 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*78 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.387	0.8	1	01/21/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.387	96	1	01/21/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.387	510	1	01/21/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.387	430	1	01/21/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.387	27	1	01/21/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.94		1	01/21/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.387	330	1	01/21/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.387	58	1	01/21/08
2,4-Dichlorophenol	ND	mg/kg dry	0.387	30	1	01/21/08
2,4-Dimethylphenol	ND	mg/kg dry	0.387	1400	1	01/21/08
2,4-Dinitrophenol	ND	mg/kg dry	1.94	160	1	01/21/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.387	0.9	1	01/21/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.387		1	01/21/08
2-Chloronaphthalene	ND	mg/kg dry	0.387		1	01/21/08
2-Chlorophenol	ND	mg/kg dry	0.387	50	1	01/21/08
2-Methylnaphthalene	ND	mg/kg dry	0.387	123	1	01/21/08
2-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
2-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
2-Nitrophenol	ND	mg/kg dry	0.387		1	01/21/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.776	1.4	1	01/21/08
3+4-Methylphenol	ND	mg/kg dry	0.776		1	01/21/08
3-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.94		1	01/21/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.387		1	01/21/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
4-Chloroaniline	ND	mg/kg dry	0.776	310	1	01/21/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.387		1	01/21/08
4-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4-Nitrophenol	ND	mg/kg dry	1.94		1	01/21/08
Acenaphthene	ND	mg/kg dry	0.387	43	1	01/21/08
Acenaphthylene	ND	mg/kg dry	0.387	23	1	01/21/08
Acetophenone	ND	mg/kg dry	0.776		1	01/21/08
Aniline	ND	mg/kg dry	1.94		1	01/21/08
Anthracene	ND	mg/kg dry	0.387	35	1	01/21/08
Azobenzene	ND	mg/kg dry	0.387		1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.497**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(a)pyrene	**0.469**	mg/kg dry	0.194	0.4	1	01/21/08
Benzo(b)fluoranthene	**0.403**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.387	0.8	1	01/21/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Benzoic Acid	ND	mg/kg dry	1.94		1	01/21/08
Benzyl Alcohol	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.387	0.6	1	01/21/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.387	9.1	1	01/21/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.387	46	1	01/21/08
Butylbenzylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Carbazole	ND	mg/kg dry	0.387		1	01/21/08
Chrysene	**0.516**	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzofuran	ND	mg/kg dry	0.387		1	01/21/08
Diethylphthalate	ND	mg/kg dry	0.387	340	1	01/21/08
Dimethylphthalate	ND	mg/kg dry	0.387	1900	1	01/21/08
Di-n-butylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Di-n-octylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Fluoranthene	**0.944**	mg/kg dry	0.387	20	1	01/21/08
Fluorene	ND	mg/kg dry	0.387	28	1	01/21/08
Hexachlorobenzene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.387	8.2	1	01/21/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.94		1	01/21/08
Hexachloroethane	ND	mg/kg dry	0.387	46	1	01/21/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Isophorone	ND	mg/kg dry	0.387		1	01/21/08
Naphthalene	ND	mg/kg dry	0.387	54	1	01/21/08
Nitrobenzene	ND	mg/kg dry	0.387		1	01/21/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.387		1	01/21/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.387		1	01/21/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.387		1	01/21/08
Pentachlorophenol	ND	mg/kg dry	1.94	5.3	1	01/21/08
Phenanthrene	**0.669**	mg/kg dry	0.387	40	1	01/21/08
Phenol	ND	mg/kg dry	0.387	6000	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Pyrene	**0.836**	mg/kg dry	0.387	13	1	01/21/08
Pyridine	ND	mg/kg dry	1.94		1	01/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*34 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*61 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*41 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*49 %*		*30-130*
Surrogate: 2-Fluorophenol	*37 %*		*30-130*
Surrogate: Nitrobenzene-d5	*42 %*		*30-130*
Surrogate: Phenol-d6	*57 %*		*30-130*
Surrogate: p-Terphenyl-d14	*65 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B5
Date Sampled: 01/18/08 14:00
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**338**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B8
Date Sampled: 01/18/08 14:00
Percent Solids: 85
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**3110**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC01
Date Sampled: 01/18/08 14:00
Percent Solids: 83
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**62.1**	mg/kg dry	44.3		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	31.6	3.3	mg/kg wet	33.33		95	80-120			
Barium	32.9	3.3	mg/kg wet	33.33		99	80-120			
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120			
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead	33.5	6.7	mg/kg wet	33.33		100	80-120			
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120			
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120			
LCS Dup										
Arsenic	31.5	3.3	mg/kg wet	33.33		94	80-120	0.3	20	
Barium	33.0	3.3	mg/kg wet	33.33		99	80-120	0.1	20	
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120	0.04	20	
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120	0.06	20	
Lead	33.4	6.7	mg/kg wet	33.33		100	80-120	0.1	20	
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120	0.03	20	
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120	0.09	20	
Duplicate **Source: 0801234-03**										
Arsenic	3.10	3.2	mg/kg dry		2.94			6	35	
Barium	36.8	3.2	mg/kg dry		29.4			22	35	
Cadmium	0.157	0.64	mg/kg dry		0.159			1	35	
Chromium	12.8	1.3	mg/kg dry		11.6			10	35	
Lead	174	6.4	mg/kg dry		185			6	35	
Selenium	3.29	6.4	mg/kg dry		3.01			9	35	
Silver	ND	0.64	mg/kg dry		ND				35	
Matrix Spike **Source: 0801234-03**										
Arsenic	29.3	3.2	mg/kg dry	31.60	2.94	84	75-125			
Barium	63.5	3.2	mg/kg dry	31.60	29.4	108	75-125			
Cadmium	12.5	0.64	mg/kg dry	15.80	0.159	78	75-125			
Chromium	39.6	1.3	mg/kg dry	31.60	11.6	89	75-125			
Lead	189	6.3	mg/kg dry	31.60	185	12	75-125			
Selenium	53.5	6.3	mg/kg dry	63.20	3.01	80	75-125			
Silver	13.6	0.64	mg/kg dry	15.80	ND	86	75-125			
Reference										
Arsenic	74.8	5.0	mg/kg wet	88.80		84	80.86-119.37			
Barium	386	5.0	mg/kg wet	427.0		90	82.67-117.33			
Cadmium	54.6	1.02	mg/kg wet	63.00		87	82.06-117.94			
Chromium	84.0	2.0	mg/kg wet	97.90		86	78.86-120.53			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Lead	83.3	10.1	mg/kg wet	88.90		94	81.78-118.11			
Selenium	154	10.1	mg/kg wet	155.0		99	77.42-122.58			
Silver	75.1	1.02	mg/kg wet	81.60		92	66.3-133.58			
Batch BA81825 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.201	0.033	mg/kg wet	0.2000		101	80-120			
LCS Dup										
Mercury	0.204	0.033	mg/kg wet	0.2000		102	80-120	1	20	
Reference										
Mercury	4.35	0.330	mg/kg wet	4.470		97	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Xylene O	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	23.4		ug/L	25.00		94	70-130			
1,1,1-Trichloroethane	25.1		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	19.5		ug/L	25.00		78	70-130			
1,1,2-Trichloroethane	20.8		ug/L	25.00		83	70-130			
1,1-Dichloroethane	24.0		ug/L	25.00		96	70-130			
1,1-Dichloroethene	28.5		ug/L	25.00		114	70-130			
1,1-Dichloropropene	24.8		ug/L	25.00		99	70-130			
1,2,3-Trichlorobenzene	24.9		ug/L	25.00		100	70-130			
1,2,3-Trichloropropane	20.7		ug/L	25.00		83	70-130			
1,2,4-Trichlorobenzene	25.8		ug/L	25.00		103	70-130			
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130			
1,2-Dibromo-3-Chloropropane	19.6		ug/L	25.00		79	70-130			
1,2-Dibromoethane	20.6		ug/L	25.00		82	70-130			
1,2-Dichlorobenzene	23.6		ug/L	25.00		94	70-130			
1,2-Dichloroethane	22.3		ug/L	25.00		89	70-130			
1,2-Dichloropropane	22.8		ug/L	25.00		91	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	25.00		98	70-130			
1,3-Dichloropropane	20.9		ug/L	25.00		83	70-130			
1,4-Dichlorobenzene	24.2		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	499		ug/L	500.0		100	44-241			
1-Chlorohexane	24.7		ug/L	25.00		99	70-130			
2,2-Dichloropropane	25.0		ug/L	25.00		100	70-130			
2-Butanone	107		ug/L	125.0		86	70-130			
2-Chlorotoluene	24.1		ug/L	25.00		97	70-130			
2-Hexanone	99.0		ug/L	125.0		79	70-130			
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130			
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	96.7		ug/L	125.0		77	70-130			
Acetone	119		ug/L	125.0		95	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Bromobenzene	23.8		ug/L	25.00		95	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Bromochloromethane	21.0		ug/L	25.00		84	70-130			
Bromodichloromethane	25.3		ug/L	25.00		101	70-130			
Bromoform	21.9		ug/L	25.00		88	70-130			
Bromomethane	29.8		ug/L	25.00		119	70-130			
Carbon Disulfide	26.6		ug/L	25.00		107	70-130			
Carbon Tetrachloride	26.3		ug/L	25.00		105	70-130			
Chlorobenzene	24.1		ug/L	25.00		96	70-130			
Chloroethane	31.5		ug/L	25.00		126	70-130			
Chloroform	23.9		ug/L	25.00		96	70-130			
Chloromethane	22.7		ug/L	25.00		91	70-130			
cis-1,2-Dichloroethene	26.4		ug/L	25.00		106	70-130			
cis-1,3-Dichloropropene	22.7		ug/L	25.00		91	70-130			
Dibromochloromethane	23.5		ug/L	25.00		94	70-130			
Dibromomethane	20.5		ug/L	25.00		82	70-130			
Dichlorodifluoromethane	20.5		ug/L	25.00		82	70-130			
Diethyl Ether	21.8		ug/L	25.00		87	70-130			
Di-isopropyl ether	23.3		ug/L	25.00		93	70-130			
Ethyl tertiary-butyl ether	21.8		ug/L	25.00		87	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Hexachlorobutadiene	29.4		ug/L	25.00		117	70-130			
Isopropylbenzene	22.5		ug/L	25.00		90	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methylene Chloride	24.3		ug/L	25.00		97	70-130			
Naphthalene	20.6		ug/L	25.00		82	70-130			
n-Butylbenzene	27.1		ug/L	25.00		108	70-130			
n-Propylbenzene	26.4		ug/L	25.00		106	70-130			
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130			
Styrene	24.1		ug/L	25.00		96	70-130			
tert-Butylbenzene	26.5		ug/L	25.00		106	70-130			
Tertiary-amyl methyl ether	21.8		ug/L	25.00		87	70-130			
Tetrachloroethene	23.0		ug/L	25.00		92	70-130			
Tetrahydrofuran	17.8		ug/L	25.00		71	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
trans-1,2-Dichloroethene	26.5		ug/L	25.00		106	70-130			
trans-1,3-Dichloropropene	19.8		ug/L	25.00		79	70-130			
Trichloroethene	24.3		ug/L	25.00		97	70-130			
Vinyl Acetate	20.8		ug/L	25.00		83	70-130			
Vinyl Chloride	28.8		ug/L	25.00		115	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.1		ug/L	25.00		96	70-130	3	20	
1,1,1-Trichloroethane	25.6		ug/L	25.00		102	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.1		ug/L	25.00		84	70-130	8	20	
1,1,2-Trichloroethane	22.4		ug/L	25.00		90	70-130	7	20	
1,1-Dichloroethane	24.4		ug/L	25.00		98	70-130	1	20	
1,1-Dichloroethene	28.4		ug/L	25.00		114	70-130	0.2	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
1,2,3-Trichlorobenzene	26.2		ug/L	25.00		105	70-130	5	20	
1,2,3-Trichloropropane	22.0		ug/L	25.00		88	70-130	6	20	
1,2,4-Trichlorobenzene	26.7		ug/L	25.00		107	70-130	3	20	
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130	0.1	20	
1,2-Dibromo-3-Chloropropane	22.0		ug/L	25.00		88	70-130	12	20	
1,2-Dibromoethane	22.0		ug/L	25.00		88	70-130	7	20	
1,2-Dichlorobenzene	24.2		ug/L	25.00		97	70-130	2	20	
1,2-Dichloroethane	23.4		ug/L	25.00		94	70-130	5	20	
1,2-Dichloropropane	23.4		ug/L	25.00		94	70-130	3	20	
1,3,5-Trimethylbenzene	24.8		ug/L	25.00		99	70-130	0.8	20	
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
1,3-Dichloropropane	22.3		ug/L	25.00		89	70-130	7	20	
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130	0.7	20	
1,4-Dioxane - Screen	564		ug/L	500.0		113	44-241	12	200	
1-Chlorohexane	24.8		ug/L	25.00		99	70-130	0.5	20	
2,2-Dichloropropane	26.8		ug/L	25.00		107	70-130	7	20	
2-Butanone	119		ug/L	125.0		95	70-130	10	20	
2-Chlorotoluene	24.6		ug/L	25.00		98	70-130	2	20	
2-Hexanone	111		ug/L	125.0		88	70-130	11	20	
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130	0.08	20	
4-Isopropyltoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Methyl-2-Pentanone	108		ug/L	125.0		86	70-130	11	20	
Acetone	135		ug/L	125.0		108	70-130	12	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Bromobenzene	24.3		ug/L	25.00		97	70-130	2	20	
Bromochloromethane	22.2		ug/L	25.00		89	70-130	5	20	
Bromodichloromethane	26.4		ug/L	25.00		106	70-130	4	20	
Bromoform	23.7		ug/L	25.00		95	70-130	8	20	
Bromomethane	30.2		ug/L	25.00		121	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Carbon Disulfide	27.3		ug/L	25.00		109	70-130	2	20	
Carbon Tetrachloride	26.9		ug/L	25.00		108	70-130	2	20	
Chlorobenzene	24.4		ug/L	25.00		97	70-130	1	20	
Chloroethane	28.6		ug/L	25.00		114	70-130	10	20	
Chloroform	24.5		ug/L	25.00		98	70-130	2	20	
Chloromethane	22.9		ug/L	25.00		91	70-130	0.6	20	
cis-1,2-Dichloroethene	26.6		ug/L	25.00		106	70-130	0.7	20	
cis-1,3-Dichloropropene	23.9		ug/L	25.00		96	70-130	5	20	
Dibromochloromethane	24.8		ug/L	25.00		99	70-130	5	20	
Dibromomethane	22.3		ug/L	25.00		89	70-130	8	20	
Dichlorodifluoromethane	21.0		ug/L	25.00		84	70-130	2	20	
Diethyl Ether	23.4		ug/L	25.00		93	70-130	7	20	
Di-isopropyl ether	24.2		ug/L	25.00		97	70-130	4	20	
Ethyl tertiary-butyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Hexachlorobutadiene	29.2		ug/L	25.00		117	70-130	0.5	20	
Isopropylbenzene	22.2		ug/L	25.00		89	70-130	1	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methylene Chloride	24.9		ug/L	25.00		99	70-130	2	20	
Naphthalene	22.4		ug/L	25.00		90	70-130	9	20	
n-Butylbenzene	27.1		ug/L	25.00		108	70-130	0.1	20	
n-Propylbenzene	26.0		ug/L	25.00		104	70-130	2	20	
sec-Butylbenzene	25.8		ug/L	25.00		103	70-130	1	20	
Styrene	24.5		ug/L	25.00		98	70-130	2	20	
tert-Butylbenzene	27.0		ug/L	25.00		108	70-130	2	20	
Tertiary-amyl methyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Tetrachloroethene	21.8		ug/L	25.00		87	70-130	6	20	
Tetrahydrofuran	19.5		ug/L	25.00		78	70-130	9	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	2	20	
trans-1,3-Dichloropropene	21.2		ug/L	25.00		85	70-130	7	20	
Trichloroethene	24.6		ug/L	25.00		98	70-130	1	20	
Vinyl Acetate	22.1		ug/L	25.00		88	70-130	6	20	
Vinyl Chloride	29.7		ug/L	25.00		119	70-130	3	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Matrix Spike Source: 0801234-03										
1,1,1,2-Tetrachloroethane	24.7		ug/L	24.98	ND	99	70-130			
1,1,1-Trichloroethane	26.3		ug/L	24.98	ND	105	70-130			
1,1,2,2-Tetrachloroethane	22.2		ug/L	24.98	ND	89	70-130			
1,1,2-Trichloroethane	24.3		ug/L	24.98	ND	97	70-130			
1,1-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,1-Dichloroethene	29.9		ug/L	24.98	ND	120	70-130			
1,1-Dichloropropene	26.1		ug/L	24.98	ND	105	70-130			
1,2,3-Trichlorobenzene	27.3		ug/L	24.98	ND	109	70-130			
1,2,3-Trichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,2,4-Trichlorobenzene	28.0		ug/L	24.98	ND	112	70-130			
1,2,4-Trimethylbenzene	26.3		ug/L	24.98	ND	105	70-130			
1,2-Dibromo-3-Chloropropane	23.1		ug/L	24.98	ND	92	70-130			
1,2-Dibromoethane	23.9		ug/L	24.98	ND	96	70-130			
1,2-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130			
1,2-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,2-Dichloropropane	24.4		ug/L	24.98	ND	98	70-130			
1,3,5-Trimethylbenzene	24.9		ug/L	24.98	ND	100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	24.98	ND	99	70-130			
1,3-Dichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,4-Dichlorobenzene	24.4		ug/L	24.98	ND	98	70-130			
1,4-Dioxane - Screen	222		ug/L	499.7	ND	44	44-241			
1-Chlorohexane	25.6		ug/L	24.98	ND	103	70-130			
2,2-Dichloropropane	25.0		ug/L	24.98	-0.192	101	70-130			
2-Butanone	124		ug/L	124.9	ND	100	70-130			
2-Chlorotoluene	23.6		ug/L	24.98	ND	95	70-130			
2-Hexanone	115		ug/L	124.9	ND	92	70-130			
4-Chlorotoluene	24.1		ug/L	24.98	ND	97	70-130			
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130			
4-Methyl-2-Pentanone	114		ug/L	124.9	ND	92	70-130			
Acetone	136		ug/L	124.9	ND	109	70-130			
Benzene	24.8		ug/L	24.98	0.341	98	70-130			
Bromobenzene	24.6		ug/L	24.98	ND	99	70-130			
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130			
Bromodichloromethane	27.4		ug/L	24.98	ND	110	70-130			
Bromoform	24.9		ug/L	24.98	ND	100	70-130			
Bromomethane	27.1		ug/L	24.98	ND	109	70-130			
Carbon Disulfide	28.1		ug/L	24.98	ND	112	70-130			
Carbon Tetrachloride	27.6		ug/L	24.98	ND	110	70-130			
Chlorobenzene	25.0		ug/L	24.98	ND	100	70-130			
Chloroethane	30.0		ug/L	24.98	ND	120	70-130			
Chloroform	25.0		ug/L	24.98	ND	100	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Chloromethane	23.6		ug/L	24.98	ND	94	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130			
cis-1,3-Dichloropropene	24.6		ug/L	24.98	ND	98	70-130			
Dibromochloromethane	26.0		ug/L	24.98	ND	104	70-130			
Dibromomethane	23.9		ug/L	24.98	ND	96	70-130			
Dichlorodifluoromethane	22.5		ug/L	24.98	ND	90	70-130			
Diethyl Ether	25.2		ug/L	24.98	ND	101	70-130			
Di-isopropyl ether	24.6		ug/L	24.98	ND	99	70-130			
Ethyl tertiary-butyl ether	24.1		ug/L	24.98	ND	97	70-130			
Ethylbenzene	24.9		ug/L	24.98	0.0958	99	70-130			
Hexachlorobutadiene	30.4		ug/L	24.98	ND	121	70-130			
Isopropylbenzene	22.2		ug/L	24.98	ND	89	70-130			
Methyl tert-Butyl Ether	24.4		ug/L	24.98	ND	98	70-130			
Methylene Chloride	25.6		ug/L	24.98	0.149	102	70-130			
Naphthalene	25.4		ug/L	24.98	3.32	89	70-130			
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130			
n-Propylbenzene	26.7		ug/L	24.98	ND	107	70-130			
sec-Butylbenzene	26.0		ug/L	24.98	ND	104	70-130			
Styrene	25.1		ug/L	24.98	ND	101	70-130			
tert-Butylbenzene	26.6		ug/L	24.98	ND	107	70-130			
Tertiary-amyl methyl ether	24.6		ug/L	24.98	ND	98	70-130			
Tetrachloroethene	23.8		ug/L	24.98	ND	95	70-130			
Tetrahydrofuran	21.2		ug/L	24.98	ND	85	70-130			
Toluene	26.0		ug/L	24.98	0.628	102	70-130			
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	110	70-130			
trans-1,3-Dichloropropene	22.3		ug/L	24.98	ND	89	70-130			
Trichloroethene	25.8		ug/L	24.98	ND	103	70-130			
Vinyl Acetate	22.7		ug/L	24.98	ND	91	70-130			
Vinyl Chloride	31.1		ug/L	24.98	ND	124	70-130			
Xylene O	25.2		ug/L	24.98	ND	101	70-130			
Xylene P,M	50.7		ug/L	49.97	0.181	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.52*		mg/kg dry	*6.229*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.61*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*5.89*		mg/kg dry	*6.229*		*95*	*70-130*			
Surrogate: Toluene-d8	*5.81*		mg/kg dry	*6.229*		*93*	*70-130*			
Matrix Spike Dup Source: 0801234-03										
1,1,1,2-Tetrachloroethane	25.0		ug/L	24.98	ND	100	70-130	1	20	
1,1,1-Trichloroethane	26.6		ug/L	24.98	ND	106	70-130	1	20	
1,1,2,2-Tetrachloroethane	23.1		ug/L	24.98	ND	92	70-130	4	20	
1,1,2-Trichloroethane	24.9		ug/L	24.98	ND	100	70-130	3	20	
1,1-Dichloroethane	25.2		ug/L	24.98	ND	101	70-130	1	20	
1,1-Dichloroethene	29.0		ug/L	24.98	ND	116	70-130	3	20	
1,1-Dichloropropene	26.3		ug/L	24.98	ND	105	70-130	0.5	20	
1,2,3-Trichlorobenzene	29.7		ug/L	24.98	ND	119	70-130	8	20	
1,2,3-Trichloropropane	24.9		ug/L	24.98	ND	100	70-130	5	20	
1,2,4-Trichlorobenzene	29.3		ug/L	24.98	ND	117	70-130	5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
1,2,4-Trimethylbenzene	26.5		ug/L	24.98	ND	106	70-130	0.9	20	
1,2-Dibromo-3-Chloropropane	25.0		ug/L	24.98	ND	100	70-130	8	20	
1,2-Dibromoethane	24.5		ug/L	24.98	ND	98	70-130	2	20	
1,2-Dichlorobenzene	25.3		ug/L	24.98	ND	101	70-130	3	20	
1,2-Dichloroethane	25.4		ug/L	24.98	ND	102	70-130	2	20	
1,2-Dichloropropane	24.6		ug/L	24.98	ND	98	70-130	0.6	20	
1,3,5-Trimethylbenzene	25.0		ug/L	24.98	ND	100	70-130	0.5	20	
1,3-Dichlorobenzene	25.2		ug/L	24.98	ND	101	70-130	2	20	
1,3-Dichloropropane	24.2		ug/L	24.98	ND	97	70-130	3	20	
1,4-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130	0.7	20	
1,4-Dioxane - Screen	543		ug/L	499.7	ND	109	44-241	84	200	
1-Chlorohexane	25.1		ug/L	24.98	ND	100	70-130	2	20	
2,2-Dichloropropane	25.7		ug/L	24.98	-0.192	103	70-130	3	20	
2-Butanone	134		ug/L	124.9	ND	107	70-130	7	20	
2-Chlorotoluene	23.0		ug/L	24.98	ND	92	70-130	3	20	
2-Hexanone	128		ug/L	124.9	ND	102	70-130	11	20	
4-Chlorotoluene	24.7		ug/L	24.98	ND	99	70-130	2	20	
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130	0.08	20	
4-Methyl-2-Pentanone	123		ug/L	124.9	ND	99	70-130	7	20	
Acetone	149		ug/L	124.9	ND	119	70-130	9	20	
Benzene	25.0		ug/L	24.98	0.341	99	70-130	1	20	
Bromobenzene	25.0		ug/L	24.98	ND	100	70-130	1	20	
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130	0.2	20	
Bromodichloromethane	28.0		ug/L	24.98	ND	112	70-130	2	20	
Bromoform	26.2		ug/L	24.98	ND	105	70-130	5	20	
Bromomethane	28.7		ug/L	24.98	ND	115	70-130	6	20	
Carbon Disulfide	28.1		ug/L	24.98	ND	113	70-130	0.2	20	
Carbon Tetrachloride	27.7		ug/L	24.98	ND	111	70-130	0.3	20	
Chlorobenzene	25.3		ug/L	24.98	ND	101	70-130	1	20	
Chloroethane	28.2		ug/L	24.98	ND	113	70-130	6	20	
Chloroform	25.4		ug/L	24.98	ND	102	70-130	2	20	
Chloromethane	24.2		ug/L	24.98	ND	97	70-130	3	20	
cis-1,2-Dichloroethene	27.9		ug/L	24.98	ND	112	70-130	0.9	20	
cis-1,3-Dichloropropene	25.0		ug/L	24.98	ND	100	70-130	2	20	
Dibromochloromethane	26.6		ug/L	24.98	ND	107	70-130	3	20	
Dibromomethane	24.4		ug/L	24.98	ND	97	70-130	2	20	
Dichlorodifluoromethane	22.3		ug/L	24.98	ND	89	70-130	1	20	
Diethyl Ether	26.0		ug/L	24.98	ND	104	70-130	3	20	
Di-isopropyl ether	25.3		ug/L	24.98	ND	101	70-130	3	20	
Ethyl tertiary-butyl ether	25.0		ug/L	24.98	ND	100	70-130	4	20	
Ethylbenzene	25.2		ug/L	24.98	0.0958	101	70-130	1	20	
Hexachlorobutadiene	31.9		ug/L	24.98	ND	128	70-130	5	20	
Isopropylbenzene	22.3		ug/L	24.98	ND	89	70-130	0.2	20	
Methyl tert-Butyl Ether	25.6		ug/L	24.98	ND	103	70-130	5	20	
Methylene Chloride	25.8		ug/L	24.98	0.149	103	70-130	0.9	20	
Naphthalene	28.4		ug/L	24.98	3.32	100	70-130	11	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130	0.3	20	
n-Propylbenzene	27.3		ug/L	24.98	ND	109	70-130	2	20	
sec-Butylbenzene	26.2		ug/L	24.98	ND	105	70-130	0.7	20	
Styrene	25.5		ug/L	24.98	ND	102	70-130	2	20	
tert-Butylbenzene	25.2		ug/L	24.98	ND	101	70-130	5	20	
Tertiary-amyl methyl ether	25.6		ug/L	24.98	ND	102	70-130	4	20	
Tetrachloroethene	27.9		ug/L	24.98	ND	112	70-130	16	20	
Tetrahydrofuran	22.0		ug/L	24.98	ND	88	70-130	4	20	
Toluene	26.2		ug/L	24.98	0.628	102	70-130	0.7	20	
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130	0.1	20	
trans-1,3-Dichloropropene	22.9		ug/L	24.98	ND	92	70-130	3	20	
Trichloroethene	25.7		ug/L	24.98	ND	103	70-130	0.4	20	
Vinyl Acetate	23.0		ug/L	24.98	ND	92	70-130	1	20	
Vinyl Chloride	31.0		ug/L	24.98	ND	124	70-130	0.1	20	
Xylene O	25.3		ug/L	24.98	ND	101	70-130	0.6	20	
Xylene P,M	51.2		ug/L	49.97	0.181	102	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*5.62*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.68*		mg/kg dry	*6.229*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*6.00*		mg/kg dry	*6.229*		*96*	*70-130*			
Surrogate: Toluene-d8	*5.86*		mg/kg dry	*6.229*		*94*	*70-130*			
Batch BA82410 - 5035										
Blank										
Benzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.35*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
LCS										
Benzene	25.7		ug/L	25.00		103	70-130			
Ethylbenzene	25.5		ug/L	25.00		102	70-130			
Methyl tert-Butyl Ether	26.9		ug/L	25.00		108	70-130			
Toluene	25.7		ug/L	25.00		103	70-130			
Xylene O	25.7		ug/L	25.00		103	70-130			
Xylene P,M	51.3		ug/L	50.00		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*2.36*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
Benzene	25.5		ug/L	25.00		102	70-130	0.9	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Ethylbenzene	25.5		ug/L	25.00		102	70-130	0.2	20	
Methyl tert-Butyl Ether	27.4		ug/L	25.00		110	70-130	2	20	
Toluene	25.7		ug/L	25.00		103	70-130	0.08	20	
Xylene O	25.8		ug/L	25.00		103	70-130	0.3	20	
Xylene P,M	51.5		ug/L	50.00		103	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.48*		mg/kg wet	*2.500*		*99*	*70-130*			
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.55*		mg/kg wet	*5.000*		*71*	*40-140*			
LCS										
Decane (C10)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Docosane (C22)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Dodecane (C12)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Eicosane (C20)	2.22	0.26	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Hexadecane (C16)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Octacosane (C28)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		89	40-140			
Tetracosane (C24)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Tetradecane (C14)	1.99	0.26	mg/kg wet	2.500		79	40-140			
Surrogate: O-Terphenyl	*3.99*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS Dup										
Decane (C10)	1.58	0.26	mg/kg wet	2.500		63	40-140	10	50	
Docosane (C22)	1.97	0.26	mg/kg wet	2.500		79	40-140	13	50	
Dodecane (C12)	1.69	0.26	mg/kg wet	2.500		67	40-140	11	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Eicosane (C20)	1.95	0.26	mg/kg wet	2.500		78	40-140	13	50	
Hexacosane (C26)	1.97	0.26	mg/kg wet	2.500		79	40-140	14	50	
Hexadecane (C16)	1.83	0.26	mg/kg wet	2.500		73	40-140	12	50	
Nonadecane (C19)	2.00	0.26	mg/kg wet	2.500		80	40-140	12	50	
Octacosane (C28)	2.00	0.26	mg/kg wet	2.500		80	40-140	14	50	
Octadecane (C18)	1.96	0.26	mg/kg wet	2.500		78	40-140	12	50	
Tetracosane (C24)	2.12	0.26	mg/kg wet	2.500		85	40-140	14	50	
Tetradecane (C14)	1.76	0.26	mg/kg wet	2.500		70	40-140	12	50	
Surrogate: O-Terphenyl	*3.52*		mg/kg wet	*5.000*		*70*	*40-140*			
Matrix Spike Source: 0801234-01										
Decane (C10)	1.42	0.27	mg/kg dry	2.606	ND	55	40-140			
Docosane (C22)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Dodecane (C12)	1.53	0.27	mg/kg dry	2.606	ND	59	40-140			
Eicosane (C20)	1.96	0.27	mg/kg dry	2.606	ND	75	40-140			
Hexacosane (C26)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Hexadecane (C16)	1.75	0.27	mg/kg dry	2.606	ND	67	40-140			
Nonadecane (C19)	1.99	0.27	mg/kg dry	2.606	ND	77	40-140			
Octacosane (C28)	2.00	0.27	mg/kg dry	2.606	ND	77	40-140			
Octadecane (C18)	1.84	0.27	mg/kg dry	2.606	ND	71	40-140			
Tetracosane (C24)	2.10	0.27	mg/kg dry	2.606	ND	81	40-140			
Tetradecane (C14)	1.63	0.27	mg/kg dry	2.606	ND	63	40-140			
Surrogate: O-Terphenyl	*3.39*		mg/kg dry	*5.211*		*65*	*40-140*			
Matrix Spike Dup Source: 0801234-01										
Decane (C10)	1.57	0.26	mg/kg dry	2.593	ND	60	40-140	10	50	
Docosane (C22)	1.94	0.26	mg/kg dry	2.593	ND	75	40-140	1	50	
Dodecane (C12)	1.68	0.26	mg/kg dry	2.593	ND	65	40-140	9	50	
Eicosane (C20)	1.95	0.26	mg/kg dry	2.593	ND	75	40-140	0.7	50	
Hexacosane (C26)	1.93	0.26	mg/kg dry	2.593	ND	74	40-140	2	50	
Hexadecane (C16)	1.87	0.26	mg/kg dry	2.593	ND	72	40-140	7	50	
Nonadecane (C19)	2.01	0.26	mg/kg dry	2.593	ND	77	40-140	0.7	50	
Octacosane (C28)	1.96	0.26	mg/kg dry	2.593	ND	76	40-140	2	50	
Octadecane (C18)	1.90	0.26	mg/kg dry	2.593	ND	73	40-140	3	50	
Tetracosane (C24)	2.16	0.26	mg/kg dry	2.593	ND	83	40-140	3	50	
Tetradecane (C14)	1.80	0.26	mg/kg dry	2.593	ND	69	40-140	10	50	
Surrogate: O-Terphenyl	*3.44*		mg/kg dry	*5.185*		*66*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0235*		mg/kg wet	*0.02500*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0240*		mg/kg wet	*0.02500*		*96*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.441	0.0500	mg/kg wet	0.5000		88	40-140			
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0227*		mg/kg wet	*0.02500*		*91*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
LCS Dup										
Aroclor 1016	0.473	0.0500	mg/kg wet	0.5000		95	40-140	4	50	
Aroclor 1260	0.458	0.0500	mg/kg wet	0.5000		92	40-140	4	50	
Surrogate: Decachlorobiphenyl	*0.0249*		mg/kg wet	*0.02500*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0241*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0247*		mg/kg wet	*0.02500*		*99*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.92*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.34*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.31*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.41*		mg/kg wet	*3.750*		*64*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.78*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.09*		mg/kg wet	*3.750*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.96*		mg/kg wet	*2.500*		*78*	*30-130*			
LCS										
1,1-Biphenyl	1.48	0.250	mg/kg wet	2.500		59	40-140			
1,2,4-Trichlorobenzene	1.26	0.250	mg/kg wet	2.500		50	40-140			
1,2-Dichlorobenzene	1.28	0.250	mg/kg wet	2.500		51	40-140			
1,3-Dichlorobenzene	1.22	0.250	mg/kg wet	2.500		49	40-140			
1,4-Dichlorobenzene	1.21	0.250	mg/kg wet	2.500		49	40-140			
2,3,4,6-Tetrachlorophenol	1.83	1.25	mg/kg wet	2.500		73	30-130			
2,4,5-Trichlorophenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4,6-Trichlorophenol	1.53	0.250	mg/kg wet	2.500		61	30-130			
2,4-Dichlorophenol	1.45	0.250	mg/kg wet	2.500		58	30-130			
2,4-Dimethylphenol	1.30	0.250	mg/kg wet	2.500		52	30-130			
2,4-Dinitrophenol	0.535	1.25	mg/kg wet	2.500		21	30-130			B-
2,4-Dinitrotoluene	1.68	0.250	mg/kg wet	2.500		67	40-140			
2,6-Dinitrotoluene	1.52	0.250	mg/kg wet	2.500		61	40-140			
2-Chloronaphthalene	1.10	0.250	mg/kg wet	2.500		44	40-140			
2-Chlorophenol	1.23	0.250	mg/kg wet	2.500		49	30-130			
2-Methylnaphthalene	1.29	0.250	mg/kg wet	2.500		52	40-140			
2-Methylphenol	1.40	0.250	mg/kg wet	2.500		56	30-130			
2-Nitroaniline	1.02	0.250	mg/kg wet	2.500		41	40-140			
2-Nitrophenol	1.25	0.250	mg/kg wet	2.500		50	30-130			
3,3'-Dichlorobenzidine	1.87	0.500	mg/kg wet	2.500		75	40-140			
3+4-Methylphenol	2.34	0.500	mg/kg wet	5.000		47	30-130			
3-Nitroaniline	1.62	0.250	mg/kg wet	2.500		65	40-140			
4,6-Dinitro-2-Methylphenol	0.964	1.25	mg/kg wet	2.500		39	30-130			
4-Bromophenyl-phenylether	1.49	0.250	mg/kg wet	2.500		60	40-140			
4-Chloro-3-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130			
4-Chloroaniline	0.822	0.500	mg/kg wet	2.500		33	40-140			B-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
4-Chloro-phenyl-phenyl ether	1.55	0.250	mg/kg wet	2.500		62	40-140			
4-Nitroaniline	1.72	0.250	mg/kg wet	2.500		69	40-140			
4-Nitrophenol	1.79	1.25	mg/kg wet	2.500		72	30-130			
Acenaphthene	1.41	0.250	mg/kg wet	2.500		56	40-140			
Acenaphthylene	1.37	0.250	mg/kg wet	2.500		55	40-140			
Acetophenone	1.32	0.500	mg/kg wet	2.500		53	40-140			
Aniline	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Anthracene	1.55	0.250	mg/kg wet	2.500		62	40-140			
Azobenzene	1.44	0.250	mg/kg wet	2.500		58	40-140			
Benzo(a)anthracene	1.90	0.250	mg/kg wet	2.500		76	40-140			
Benzo(a)pyrene	1.75	0.125	mg/kg wet	2.500		70	40-140			
Benzo(b)fluoranthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(g,h,i)perylene	1.86	0.250	mg/kg wet	2.500		74	40-140			
Benzo(k)fluoranthene	1.87	0.250	mg/kg wet	2.500		75	40-140			
Benzoic Acid	ND	1.25	mg/kg wet	2.500			40-140			B-
Benzyl Alcohol	1.33	0.250	mg/kg wet	2.500		53	40-140			
bis(2-Chloroethoxy)methane	1.11	0.250	mg/kg wet	2.500		44	40-140			
bis(2-Chloroethyl)ether	1.38	0.250	mg/kg wet	2.500		55	40-140			
bis(2-chloroisopropyl)Ether	1.16	0.250	mg/kg wet	2.500		46	40-140			
bis(2-Ethylhexyl)phthalate	1.90	0.250	mg/kg wet	2.500		76	40-140			
Butylbenzylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140			
Carbazole	1.79	0.250	mg/kg wet	2.500		72	40-140			
Chrysene	1.87	0.125	mg/kg wet	2.500		75	40-140			
Dibenzo(a,h)Anthracene	1.83	0.125	mg/kg wet	2.500		73	40-140			
Dibenzofuran	1.44	0.250	mg/kg wet	2.500		58	40-140			
Diethylphthalate	1.47	0.250	mg/kg wet	2.500		59	40-140			
Dimethylphthalate	1.56	0.250	mg/kg wet	2.500		62	40-140			
Di-n-butylphthalate	1.71	0.250	mg/kg wet	2.500		68	40-140			
Di-n-octylphthalate	1.73	0.250	mg/kg wet	2.500		69	40-140			
Fluoranthene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Fluorene	1.39	0.250	mg/kg wet	2.500		55	40-140			
Hexachlorobenzene	1.43	0.125	mg/kg wet	2.500		57	40-140			
Hexachlorobutadiene	1.21	0.250	mg/kg wet	2.500		48	40-140			
Hexachlorocyclopentadiene	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Hexachloroethane	1.19	0.250	mg/kg wet	2.500		48	40-140			
Indeno(1,2,3-cd)Pyrene	1.85	0.250	mg/kg wet	2.500		74	40-140			
Isophorone	1.24	0.250	mg/kg wet	2.500		49	40-140			
Naphthalene	1.18	0.250	mg/kg wet	2.500		47	40-140			
Nitrobenzene	1.18	0.250	mg/kg wet	2.500		47	40-140			
N-Nitrosodimethylamine	1.12	0.250	mg/kg wet	2.500		45	40-140			
N-Nitroso-Di-n-Propylamine	1.05	0.250	mg/kg wet	2.500		42	40-140			
N-nitrosodiphenylamine	1.56	0.250	mg/kg wet	2.500		62	40-140			
Pentachlorophenol	1.90	1.25	mg/kg wet	2.500		76	30-130			
Phenanthrene	1.57	0.250	mg/kg wet	2.500		63	40-140			
Phenol	1.33	0.250	mg/kg wet	2.500		53	30-130			
Pyrene	1.78	0.250	mg/kg wet	2.500		71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Pyridine	0.940	1.25	mg/kg wet	2.500		38	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.17*		mg/kg wet	*2.500*		*47*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.73*		mg/kg wet	*3.750*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.31*		mg/kg wet	*2.500*		*52*	*30-130*			
Surrogate: 2-Fluorophenol	*1.75*		mg/kg wet	*3.750*		*47*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.19*		mg/kg wet	*2.500*		*48*	*30-130*			
Surrogate: Phenol-d6	*2.15*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.75*		mg/kg wet	*2.500*		*70*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.73	0.250	mg/kg wet	2.500		69	40-140	16	30	
1,2,4-Trichlorobenzene	1.37	0.250	mg/kg wet	2.500		55	40-140	9	30	
1,2-Dichlorobenzene	1.30	0.250	mg/kg wet	2.500		52	40-140	2	30	
1,3-Dichlorobenzene	1.25	0.250	mg/kg wet	2.500		50	40-140	2	30	
1,4-Dichlorobenzene	1.31	0.250	mg/kg wet	2.500		53	40-140	8	30	
2,3,4,6-Tetrachlorophenol	1.97	1.25	mg/kg wet	2.500		79	30-130	7	30	
2,4,5-Trichlorophenol	1.79	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4,6-Trichlorophenol	1.71	0.250	mg/kg wet	2.500		68	30-130	11	30	
2,4-Dichlorophenol	1.59	0.250	mg/kg wet	2.500		64	30-130	9	30	
2,4-Dimethylphenol	1.48	0.250	mg/kg wet	2.500		59	30-130	13	30	
2,4-Dinitrophenol	0.804	1.25	mg/kg wet	2.500		32	30-130	40	30	D+
2,4-Dinitrotoluene	1.95	0.250	mg/kg wet	2.500		78	40-140	15	30	
2,6-Dinitrotoluene	1.75	0.250	mg/kg wet	2.500		70	40-140	14	30	
2-Chloronaphthalene	1.23	0.250	mg/kg wet	2.500		49	40-140	12	30	
2-Chlorophenol	1.30	0.250	mg/kg wet	2.500		52	30-130	6	30	
2-Methylnaphthalene	1.45	0.250	mg/kg wet	2.500		58	40-140	11	30	
2-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130	10	30	
2-Nitroaniline	1.01	0.250	mg/kg wet	2.500		41	40-140	1	30	
2-Nitrophenol	1.45	0.250	mg/kg wet	2.500		58	30-130	15	30	
3,3'-Dichlorobenzidine	2.00	0.500	mg/kg wet	2.500		80	40-140	7	30	
3+4-Methylphenol	1.39	0.500	mg/kg wet	5.000		28	30-130	51	30	B-, D+
3-Nitroaniline	1.85	0.250	mg/kg wet	2.500		74	40-140	13	30	
4,6-Dinitro-2-Methylphenol	1.46	1.25	mg/kg wet	2.500		58	30-130	41	30	D+
4-Bromophenyl-phenylether	1.68	0.250	mg/kg wet	2.500		67	40-140	12	30	
4-Chloro-3-Methylphenol	1.73	0.250	mg/kg wet	2.500		69	30-130	11	30	
4-Chloroaniline	0.905	0.500	mg/kg wet	2.500		36	40-140	10	30	B-
4-Chloro-phenyl-phenyl ether	1.73	0.250	mg/kg wet	2.500		69	40-140	11	30	
4-Nitroaniline	1.91	0.250	mg/kg wet	2.500		77	40-140	11	30	
4-Nitrophenol	1.95	1.25	mg/kg wet	2.500		78	30-130	9	30	
Acenaphthene	1.60	0.250	mg/kg wet	2.500		64	40-140	13	30	
Acenaphthylene	1.49	0.250	mg/kg wet	2.500		60	40-140	9	30	
Acetophenone	1.48	0.500	mg/kg wet	2.500		59	40-140	11	30	
Aniline	0.828	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Anthracene	1.72	0.250	mg/kg wet	2.500		69	40-140	11	30	
Azobenzene	1.64	0.250	mg/kg wet	2.500		66	40-140	13	30	
Benzo(a)anthracene	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Benzo(a)pyrene	1.87	0.125	mg/kg wet	2.500		75	40-140	7	30	
Benzo(b)fluoranthene	2.05	0.250	mg/kg wet	2.500		82	40-140	10	30	
Benzo(g,h,i)perylene	1.92	0.250	mg/kg wet	2.500		77	40-140	3	30	
Benzo(k)fluoranthene	1.94	0.250	mg/kg wet	2.500		78	40-140	4	30	
Benzoic Acid	0.271	1.25	mg/kg wet	2.500		11	40-140	200	30	B-, D+
Benzyl Alcohol	1.44	0.250	mg/kg wet	2.500		58	40-140	9	30	
bis(2-Chloroethoxy)methane	1.21	0.250	mg/kg wet	2.500		48	40-140	9	30	
bis(2-Chloroethyl)ether	1.50	0.250	mg/kg wet	2.500		60	40-140	8	30	
bis(2-chloroisopropyl)Ether	1.29	0.250	mg/kg wet	2.500		52	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	
Butylbenzylphthalate	1.99	0.250	mg/kg wet	2.500		80	40-140	7	30	
Carbazole	1.93	0.250	mg/kg wet	2.500		77	40-140	7	30	
Chrysene	1.96	0.125	mg/kg wet	2.500		78	40-140	5	30	
Dibenzo(a,h)Anthracene	1.96	0.125	mg/kg wet	2.500		78	40-140	7	30	
Dibenzofuran	1.59	0.250	mg/kg wet	2.500		63	40-140	10	30	
Diethylphthalate	1.67	0.250	mg/kg wet	2.500		67	40-140	13	30	
Dimethylphthalate	1.74	0.250	mg/kg wet	2.500		70	40-140	11	30	
Di-n-butylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140	9	30	
Di-n-octylphthalate	1.83	0.250	mg/kg wet	2.500		73	40-140	5	30	
Fluoranthene	1.97	0.250	mg/kg wet	2.500		79	40-140	8	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	12	30	
Hexachlorobenzene	1.65	0.125	mg/kg wet	2.500		66	40-140	14	30	
Hexachlorobutadiene	1.34	0.250	mg/kg wet	2.500		54	40-140	10	30	
Hexachlorocyclopentadiene	0.835	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Hexachloroethane	1.25	0.250	mg/kg wet	2.500		50	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	1.95	0.250	mg/kg wet	2.500		78	40-140	5	30	
Isophorone	1.32	0.250	mg/kg wet	2.500		53	40-140	6	30	
Naphthalene	1.34	0.250	mg/kg wet	2.500		54	40-140	12	30	
Nitrobenzene	1.35	0.250	mg/kg wet	2.500		54	40-140	14	30	
N-Nitrosodimethylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	5	30	
N-Nitroso-Di-n-Propylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	12	30	
N-nitrosodiphenylamine	1.76	0.250	mg/kg wet	2.500		71	40-140	12	30	
Pentachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130	16	30	
Phenanthrene	1.79	0.250	mg/kg wet	2.500		71	40-140	13	30	
Phenol	1.38	0.250	mg/kg wet	2.500		55	30-130	3	30	
Pyrene	1.86	0.250	mg/kg wet	2.500		74	40-140	4	30	
Pyridine	0.976	1.25	mg/kg wet	2.500		39	40-140	4	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.24*		mg/kg wet	*2.500*		*50*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.59*		mg/kg wet	*3.750*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.91*		mg/kg wet	*3.750*		*51*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.42*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: 2-Fluorophenol	*1.89*		mg/kg wet	*3.750*		*50*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.33*		mg/kg wet	*2.500*		*53*	*30-130*			
Surrogate: Phenol-d6	*2.42*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.91*		mg/kg wet	*2.500*		*77*	*30-130*			

Matrix Spike **Source: 0801234-03**

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
1,1-Biphenyl	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
1,2,4-Trichlorobenzene	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
1,2-Dichlorobenzene	1.87	0.387	mg/kg dry	3.876	ND	48	40-140			
1,3-Dichlorobenzene	1.82	0.387	mg/kg dry	3.876	ND	47	40-140			
1,4-Dichlorobenzene	1.88	0.387	mg/kg dry	3.876	ND	49	40-140			
2,3,4,6-Tetrachlorophenol	3.19	1.94	mg/kg dry	3.876	ND	82	30-130			
2,4,5-Trichlorophenol	2.67	0.387	mg/kg dry	3.876	ND	69	30-130			
2,4,6-Trichlorophenol	2.82	0.387	mg/kg dry	3.876	ND	73	30-130			
2,4-Dichlorophenol	2.38	0.387	mg/kg dry	3.876	ND	61	30-130			
2,4-Dimethylphenol	2.13	0.387	mg/kg dry	3.876	ND	55	30-130			
2,4-Dinitrophenol	0.945	1.94	mg/kg dry	3.876	ND	24	30-130			M-
2,4-Dinitrotoluene	2.64	0.387	mg/kg dry	3.876	ND	68	40-140			
2,6-Dinitrotoluene	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
2-Chloronaphthalene	1.76	0.387	mg/kg dry	3.876	ND	45	40-140			
2-Chlorophenol	1.93	0.387	mg/kg dry	3.876	ND	50	30-130			
2-Methylnaphthalene	2.05	0.387	mg/kg dry	3.876	0.0744	51	40-140			
2-Methylphenol	2.15	0.387	mg/kg dry	3.876	ND	55	30-130			
2-Nitroaniline	3.03	0.387	mg/kg dry	3.876	ND	78	40-140			
2-Nitrophenol	2.09	0.387	mg/kg dry	3.876	ND	54	30-130			
3,3'-Dichlorobenzidine	2.81	0.776	mg/kg dry	3.876	ND	72	40-140			
3+4-Methylphenol	3.47	0.776	mg/kg dry	7.752	ND	45	30-130			
3-Nitroaniline	2.54	0.387	mg/kg dry	3.876	ND	66	40-140			
4,6-Dinitro-2-Methylphenol	1.46	1.94	mg/kg dry	3.876	ND	38	30-130			
4-Bromophenyl-phenylether	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
4-Chloro-3-Methylphenol	2.56	0.387	mg/kg dry	3.876	ND	66	30-130			
4-Chloroaniline	1.70	0.776	mg/kg dry	3.876	ND	44	40-140			
4-Chloro-phenyl-phenyl ether	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
4-Nitroaniline	2.57	0.387	mg/kg dry	3.876	ND	66	40-140			
4-Nitrophenol	0.320	1.94	mg/kg dry	3.876	ND	8	30-130			M-
Acenaphthene	2.45	0.387	mg/kg dry	3.876	0.112	60	40-140			
Acenaphthylene	2.14	0.387	mg/kg dry	3.876	0.0864	53	40-140			
Acetophenone	2.04	0.776	mg/kg dry	3.876	ND	53	40-140			
Aniline	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Anthracene	2.75	0.387	mg/kg dry	3.876	0.126	68	40-140			
Azobenzene	2.25	0.387	mg/kg dry	3.876	ND	58	40-140			
Benzo(a)anthracene	3.32	0.387	mg/kg dry	3.876	0.497	73	40-140			
Benzo(a)pyrene	2.92	0.194	mg/kg dry	3.876	0.469	63	40-140			
Benzo(b)fluoranthene	3.43	0.387	mg/kg dry	3.876	0.403	78	40-140			
Benzo(g,h,i)perylene	2.57	0.387	mg/kg dry	3.876	0.322	58	40-140			
Benzo(k)fluoranthene	2.20	0.387	mg/kg dry	3.876	0.161	52	40-140			
Benzoic Acid	ND	1.94	mg/kg dry	3.876	ND		40-140			M-
Benzyl Alcohol	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
bis(2-Chloroethoxy)methane	1.89	0.387	mg/kg dry	3.876	ND	49	40-140			
bis(2-Chloroethyl)ether	2.27	0.387	mg/kg dry	3.876	ND	58	40-140			
bis(2-chloroisopropyl)Ether	1.85	0.387	mg/kg dry	3.876	ND	48	40-140			
bis(2-Ethylhexyl)phthalate	2.81	0.387	mg/kg dry	3.876	0.0376	71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Butylbenzylphthalate	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
Carbazole	2.86	0.387	mg/kg dry	3.876	ND	74	40-140			
Chrysene	3.14	0.194	mg/kg dry	3.876	0.516	68	40-140			
Dibenzo(a,h)Anthracene	2.68	0.194	mg/kg dry	3.876	0.107	66	40-140			
Dibenzofuran	2.64	0.387	mg/kg dry	3.876	0.0988	66	40-140			
Diethylphthalate	2.43	0.387	mg/kg dry	3.876	ND	63	40-140			
Dimethylphthalate	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
Di-n-butylphthalate	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
Di-n-octylphthalate	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
Fluoranthene	3.94	0.387	mg/kg dry	3.876	0.944	77	40-140			
Fluorene	2.58	0.387	mg/kg dry	3.876	0.112	64	40-140			
Hexachlorobenzene	2.74	0.194	mg/kg dry	3.876	ND	71	40-140			
Hexachlorobutadiene	2.02	0.387	mg/kg dry	3.876	ND	52	40-140			
Hexachlorocyclopentadiene	0.602	1.94	mg/kg dry	3.876	ND	16	40-140			M-
Hexachloroethane	1.74	0.387	mg/kg dry	3.876	ND	45	40-140			
Indeno(1,2,3-cd)Pyrene	2.78	0.387	mg/kg dry	3.876	0.303	64	40-140			
Isophorone	1.94	0.387	mg/kg dry	3.876	ND	50	40-140			
Naphthalene	1.97	0.387	mg/kg dry	3.876	0.0543	49	40-140			
Nitrobenzene	1.98	0.387	mg/kg dry	3.876	ND	51	40-140			
N-Nitrosodimethylamine	1.80	0.387	mg/kg dry	3.876	ND	46	40-140			
N-Nitroso-Di-n-Propylamine	1.81	0.387	mg/kg dry	3.876	ND	47	40-140			
N-nitrosodiphenylamine	3.56	0.387	mg/kg dry	3.876	ND	92	40-140			
Pentachlorophenol	3.28	1.94	mg/kg dry	3.876	ND	85	30-130			
Phenanthrene	3.49	0.387	mg/kg dry	3.876	0.669	73	40-140			
Phenol	2.02	0.387	mg/kg dry	3.876	ND	52	30-130			
Pyrene	3.34	0.387	mg/kg dry	3.876	0.836	64	40-140			
Pyridine	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Surrogate: 1,2-Dichlorobenzene-d4	*1.67*		mg/kg dry	*3.876*		*43*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.03*		mg/kg dry	*5.814*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.69*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/kg dry	*3.876*		*55*	*30-130*			
Surrogate: 2-Fluorophenol	*2.66*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.95*		mg/kg dry	*3.876*		*50*	*30-130*			
Surrogate: Phenol-d6	*3.34*		mg/kg dry	*5.814*		*58*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.65*		mg/kg dry	*3.876*		*68*	*30-130*			
Matrix Spike Dup Source: 0801234-03										**DM**
1,1-Biphenyl	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	17	30	
1,2,4-Trichlorobenzene	1.87	0.380	mg/kg dry	2.660	ND	70	40-140	27	30	
1,2-Dichlorobenzene	1.84	0.380	mg/kg dry	2.660	ND	69	40-140	35	30	
1,3-Dichlorobenzene	1.75	0.380	mg/kg dry	2.660	ND	66	40-140	33	30	
1,4-Dichlorobenzene	1.79	0.380	mg/kg dry	2.660	ND	67	40-140	32	30	
2,3,4,6-Tetrachlorophenol	1.87	1.90	mg/kg dry	2.660	ND	70	30-130	16	30	
2,4,5-Trichlorophenol	2.19	0.380	mg/kg dry	2.660	ND	82	30-130	18	30	
2,4,6-Trichlorophenol	2.23	0.380	mg/kg dry	2.660	ND	84	30-130	14	30	
2,4-Dichlorophenol	2.10	0.380	mg/kg dry	2.660	ND	79	30-130	25	30	
2,4-Dimethylphenol	2.03	0.380	mg/kg dry	2.660	ND	76	30-130	32	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
2,4-Dinitrophenol	0.506	1.90	mg/kg dry	2.660	ND	19	30-130	25	30	M-
2,4-Dinitrotoluene	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
2,6-Dinitrotoluene	2.19	0.380	mg/kg dry	2.660	ND	82	40-140	30	30	
2-Chloronaphthalene	1.63	0.380	mg/kg dry	2.660	ND	61	40-140	30	30	
2-Chlorophenol	1.90	0.380	mg/kg dry	2.660	ND	72	30-130	36	30	
2-Methylnaphthalene	1.95	0.380	mg/kg dry	2.660	0.0744	71	40-140	32	30	
2-Methylphenol	1.90	0.380	mg/kg dry	2.660	ND	71	30-130	25	30	
2-Nitroaniline	2.48	0.380	mg/kg dry	2.660	ND	93	40-140	18	30	
2-Nitrophenol	2.04	0.380	mg/kg dry	2.660	ND	77	30-130	35	30	
3,3´-Dichlorobenzidine	2.38	0.760	mg/kg dry	2.660	ND	90	40-140	21	30	
3+4-Methylphenol	3.78	0.760	mg/kg dry	5.320	ND	71	30-130	45	30	
3-Nitroaniline	2.28	0.380	mg/kg dry	2.660	ND	86	40-140	27	30	
4,6-Dinitro-2-Methylphenol	1.03	1.90	mg/kg dry	2.660	ND	39	30-130	3	30	
4-Bromophenyl-phenylether	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	34	30	
4-Chloro-3-Methylphenol	2.32	0.380	mg/kg dry	2.660	ND	87	30-130	28	30	
4-Chloroaniline	1.48	0.760	mg/kg dry	2.660	ND	56	40-140	24	30	
4-Chloro-phenyl-phenyl ether	1.97	0.380	mg/kg dry	2.660	ND	74	40-140	7	30	
4-Nitroaniline	3.48	0.380	mg/kg dry	2.660	ND	131	40-140	65	30	
4-Nitrophenol	2.57	1.90	mg/kg dry	2.660	ND	96	30-130	168	30	
Acenaphthene	2.21	0.380	mg/kg dry	2.660	0.112	79	40-140	27	30	
Acenaphthylene	1.95	0.380	mg/kg dry	2.660	0.0864	70	40-140	28	30	
Acetophenone	1.98	0.760	mg/kg dry	2.660	ND	74	40-140	34	30	
Aniline	0.926	1.90	mg/kg dry	2.660	ND	35	40-140	3	30	M-
Anthracene	2.94	0.380	mg/kg dry	2.660	0.126	106	40-140	44	30	
Azobenzene	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	43	30	
Benzo(a)anthracene	3.58	0.380	mg/kg dry	2.660	0.497	116	40-140	46	30	
Benzo(a)pyrene	2.99	0.190	mg/kg dry	2.660	0.469	95	40-140	40	30	
Benzo(b)fluoranthene	3.10	0.380	mg/kg dry	2.660	0.403	101	40-140	26	30	
Benzo(g,h,i)perylene	1.92	0.380	mg/kg dry	2.660	0.322	60	40-140	3	30	
Benzo(k)fluoranthene	2.98	0.380	mg/kg dry	2.660	0.161	106	40-140	67	30	
Benzoic Acid	0.814	1.90	mg/kg dry	2.660	ND	31	40-140	200	30	M-
Benzyl Alcohol	2.09	0.380	mg/kg dry	2.660	ND	78	40-140	38	30	
bis(2-Chloroethoxy)methane	2.01	0.380	mg/kg dry	2.660	ND	76	40-140	44	30	
bis(2-Chloroethyl)ether	1.78	0.380	mg/kg dry	2.660	ND	67	40-140	13	30	
bis(2-chloroisopropyl)Ether	1.70	0.380	mg/kg dry	2.660	ND	64	40-140	29	30	
bis(2-Ethylhexyl)phthalate	2.88	0.380	mg/kg dry	2.660	0.0376	107	40-140	40	30	
Butylbenzylphthalate	2.65	0.380	mg/kg dry	2.660	ND	100	40-140	37	30	
Carbazole	2.95	0.380	mg/kg dry	2.660	ND	111	40-140	40	30	
Chrysene	3.62	0.190	mg/kg dry	2.660	0.516	117	40-140	53	30	
Dibenzo(a,h)Anthracene	1.85	0.190	mg/kg dry	2.660	0.107	65	40-140	2	30	
Dibenzofuran	1.92	0.380	mg/kg dry	2.660	0.0988	68	40-140	4	30	
Diethylphthalate	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	26	30	
Dimethylphthalate	1.85	0.380	mg/kg dry	2.660	ND	69	40-140	14	30	
Di-n-butylphthalate	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
Di-n-octylphthalate	3.15	0.380	mg/kg dry	2.660	ND	119	40-140	60	30	
Fluoranthene	4.62	0.380	mg/kg dry	2.660	0.944	138	40-140	57	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Fluorene	2.33	0.380	mg/kg dry	2.660	0.112	84	40-140	27	30	
Hexachlorobenzene	2.22	0.190	mg/kg dry	2.660	ND	84	40-140	17	30	
Hexachlorobutadiene	1.83	0.380	mg/kg dry	2.660	ND	69	40-140	28	30	
Hexachlorocyclopentadiene	0.866	1.90	mg/kg dry	2.660	ND	33	40-140	71	30	M-
Hexachloroethane	1.73	0.380	mg/kg dry	2.660	ND	65	40-140	36	30	
Indeno(1,2,3-cd)Pyrene	2.07	0.380	mg/kg dry	2.660	0.303	66	40-140	4	30	
Isophorone	1.95	0.380	mg/kg dry	2.660	ND	73	40-140	38	30	
Naphthalene	1.93	0.380	mg/kg dry	2.660	0.0543	70	40-140	35	30	
Nitrobenzene	1.99	0.380	mg/kg dry	2.660	ND	75	40-140	38	30	
N-Nitrosodimethylamine	2.12	0.380	mg/kg dry	2.660	ND	80	40-140	53	30	
N-Nitroso-Di-n-Propylamine	2.15	0.380	mg/kg dry	2.660	ND	81	40-140	54	30	
N-nitrosodiphenylamine	3.09	0.380	mg/kg dry	2.660	ND	116	40-140	24	30	
Pentachlorophenol	1.96	1.90	mg/kg dry	2.660	ND	74	30-130	14	30	
Phenanthrene	4.40	0.380	mg/kg dry	2.660	0.669	140	40-140	64	30	
Phenol	1.50	0.380	mg/kg dry	2.660	ND	56	30-130	8	30	
Pyrene	3.93	0.380	mg/kg dry	2.660	0.836	116	40-140	57	30	
Pyridine	1.58	1.90	mg/kg dry	2.660	ND	59	40-140	55	30	
Surrogate: 1,2-Dichlorobenzene-d4	*0.879*		mg/kg dry	*3.800*		*23*	*30-130*			*S-*
Surrogate: 2,4,6-Tribromophenol	*3.66*		mg/kg dry	*5.700*		*64*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.12*		mg/kg dry	*5.700*		*37*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.24*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: 2-Fluorophenol	*1.94*		mg/kg dry	*5.700*		*34*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.27*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: Phenol-d6	*2.21*		mg/kg dry	*5.700*		*39*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.85*		mg/kg dry	*3.800*		*75*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-	Surrogate recovery(ies) below lower control limit.
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
DM	Majority of compounds are outside crtieria for RPD due to matrix interferences.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required # *
State where samples were collected from: MA (RI) CT NH NJ NY ME Other ___
Is this project for any of the following: MA-MCP (Navy) USACE Other ___

Reporting Limits: see note below
ESS LAB PROJECT ID: 0801234
Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name: TK+K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 664-0086 Fax #: Email Address: lawrence.kahrs@TK+K.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	624 / 8260 VOA	524.2	VPH w/targets / 8021 MTBE/BTEX	8015 GRO	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs	608 PCB / 608 Pesticides / 8081 Pesticides	8082 PCB	PAH 8270 / 625 / 8270 SVOA	TAL23 / PP13 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)	Flashpoint			
/	* 1/17/08	1530		X	WW	OFFTA-WC-OW	1	1	G							✓			✓			✓			
01	1/17/08	1630		X	S	OFFTA-~~WC~~ BF	1/6	3	G			✓		✓											
02	1/17/08	1630		X	S	OFFTA-TS	1/6	3	G			✓		✓											
/	* 1/18/08	1430		X	WW	OFFTA-WC-OW	2	2	G	✓															
03	1/18/08	1415	X		S	OFFTA-WC02	1/6	5	G	✓				✓		✓		✓	✓						
04	↓	1400	X		S	OFFTA-A-B5	1							✓											
05		↓	X		S	OFFTA-A-B8	1							✓											
06	↓	↓	X		S	OFFTA-WC01	1							✓											
						OFFTA-BF	ASTM D522 (sieve) D698 (standard proctor)																		
	* 2-day TA per telephone discussion ✓ Liz Ovk 1/18/08																								

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C
Internal Use Only [ ] Pickup [ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___
Sampled by: L. Kahrs
Comments: Includes geotech sample in 5-gallon bucket

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 1600	[signature]	1-18 1410	[signature]	1/19/08 8:05	[signature]	1/19/08 8:05
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 17:00	[signature]	1-18-08 1700				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801267

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 30, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 23, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801267-01	Soil	OFFTA-WC03
0801267-02	Soil	OFFTA-A-B15
0801267-03	Soil	OFFTA-A-S6

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82517-SRM2 **Standard Reference Material is biased low.**
Silver

5035/8260B Volatile Organic Compounds / Methanol

BA82410-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82410-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

8015M Diesel Range Organics

0801267-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

0801267-03 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

BA82324-MS1 **Majority of matrix spike compounds are outside of criteria due to matrix interferences.**

BA82324-MS1 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

BA82324-MSD1 **Majority of matrix spike compounds are outside of criteria due to matrix interferences.**

BA82324-MSD1 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82325-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82325-BSD1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Aniline, Benzoic Acid, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-chloroisopropyl)Ether, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitrosodimethylamine, Pyridine

BA82325-BSD1 **Relative percent difference for duplicate is outside of criteria.**
1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzoic Acid, bis(2-Chloroethyl)ether, Hexachloroethane, N-Nitrosodimethylamine, Pyridine

BRA0208-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.0	6010B	7	1	JP	01/25/08	1.84	100
Barium	**47.8**	mg/kg dry	3.0	6010B	5500	1	JP	01/25/08	1.84	100
Cadmium	ND	mg/kg dry	0.61	6010B	39	1	JP	01/25/08	1.84	100
Chromium	**13.6**	mg/kg dry	1.2	6010B	1400	1	JP	01/25/08	1.84	100
Lead	**371**	mg/kg dry	6.0	6010B	150	1	JP	01/25/08	1.84	100
Mercury	**0.189**	mg/kg dry	0.037	7471A	23	1	KAB	01/24/08	0.6	40
Selenium	ND	mg/kg dry	6.0	6010B	390	1	KAB	01/26/08	1.84	100
Silver	**0.86**	mg/kg dry	0.61	6010B	200	1	JP	01/25/08	1.84	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.108	0.0356	2.2	1	01/24/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0540	0.0140	540	1	01/24/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0540	0.0162	1.3	1	01/24/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0540	0.0173	3.6	1	01/24/08
1,1-Dichloroethane		ND	mg/kg dry	0.0540	0.0151	920	1	01/24/08
1,1-Dichloroethene		ND	mg/kg dry	0.0540	0.0130	0.2	1	01/24/08
1,1-Dichloropropene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0540	0.0119	96	1	01/24/08
1,2,4-Trimethylbenzene	J	**0.0281**	mg/kg dry	0.0540	0.0130		1	01/24/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.324	0.108	0.5	1	01/24/08
1,2-Dibromoethane		ND	mg/kg dry	0.0540	0.0119	0.01	1	01/24/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0119	510	1	01/24/08
1,2-Dichloroethane		ND	mg/kg dry	0.0540	0.0119	0.9	1	01/24/08
1,2-Dichloropropane		ND	mg/kg dry	0.0540	0.0151	1.9	1	01/24/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0130	430	1	01/24/08
1,3-Dichloropropane		ND	mg/kg dry	0.0540	0.0108		1	01/24/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0140	27	1	01/24/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.40	2.70		1	01/24/08
1-Chlorohexane		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
2,2-Dichloropropane		ND	mg/kg dry	0.108	0.0270		1	01/24/08
2-Butanone		ND	mg/kg dry	1.35	0.270	10000	1	01/24/08
2-Chlorotoluene		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
2-Hexanone		ND	mg/kg dry	0.540	0.0756		1	01/24/08
4-Chlorotoluene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
4-Isopropyltoluene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.540	0.0756	1200	1	01/24/08
Acetone		ND	mg/kg dry	1.35	0.432	7800	1	01/24/08
Benzene		**0.0896**	mg/kg dry	0.0540	0.0162	2.5	1	01/24/08
Bromobenzene		ND	mg/kg dry	0.0540	0.0119		1	01/24/08
Bromochloromethane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Bromodichloromethane		ND	mg/kg dry	0.0540	0.0151	10	1	01/24/08
Bromoform		ND	mg/kg dry	0.0540	0.0173	81	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.108	0.0270	0.8	1	01/24/08
Carbon Disulfide		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Carbon Tetrachloride		ND	mg/kg dry	0.0540	0.0151	1.5	1	01/24/08
Chlorobenzene		ND	mg/kg dry	0.0540	0.0119	210	1	01/24/08
Chloroethane		ND	mg/kg dry	0.108	0.0356		1	01/24/08
Chloroform		ND	mg/kg dry	0.0540	0.0130	1.2	1	01/24/08
Chloromethane		ND	mg/kg dry	0.108	0.0173		1	01/24/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0540	0.0162	630	1	01/24/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0540	0.0119		1	01/24/08
Dibromochloromethane		ND	mg/kg dry	0.0540	0.0108	7.6	1	01/24/08
Dibromomethane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Diethyl Ether		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Di-isopropyl ether		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0540	0.0108		1	01/24/08
Ethylbenzene	J	**0.0324**	mg/kg dry	0.0540	0.0130	71	1	01/24/08
Hexachlorobutadiene		ND	mg/kg dry	0.0540	0.0173	8.2	1	01/24/08
Isopropylbenzene		ND	mg/kg dry	0.0540	0.0119	27	1	01/24/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0540	0.0130	390	1	01/24/08
Methylene Chloride		ND	mg/kg dry	0.270	0.0216	45	1	01/24/08
Naphthalene		**0.549**	mg/kg dry	0.0540	0.0162	54	1	01/24/08
n-Butylbenzene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
n-Propylbenzene	J	**0.0227**	mg/kg dry	0.0540	0.0140		1	01/24/08
sec-Butylbenzene	J	**0.0454**	mg/kg dry	0.0540	0.0140		1	01/24/08
Styrene		ND	mg/kg dry	0.0540	0.0140	13	1	01/24/08
tert-Butylbenzene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Tetrachloroethene		ND	mg/kg dry	0.0540	0.0173	12	1	01/24/08
Tetrahydrofuran		ND	mg/kg dry	0.540	0.140		1	01/24/08
Toluene		**0.0680**	mg/kg dry	0.0540	0.0151	190	1	01/24/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0540	0.0173	1100	1	01/24/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Trichloroethene		ND	mg/kg dry	0.0540	0.0130	13	1	01/24/08
Trichlorofluoromethane		ND	mg/kg dry	0.0540	0.0151		1	01/24/08
Vinyl Acetate		ND	mg/kg dry	0.270	0.0216		1	01/24/08
Vinyl Chloride		ND	mg/kg dry	0.0540	0.0130	0.02	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O		ND	mg/kg dry	0.0540	0.0108	110	1	01/24/08
Xylene P,M	J	**0.0529**	mg/kg dry	0.108	0.0270	110	1	01/24/08
Xylenes (Total)		ND	mg/kg dry	0.162		110	1	01/24/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*89 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	681	mg/kg dry	41.1		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*110 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 19.9
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/24/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1221	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1232	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1242	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1248	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1254	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1260	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1262	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1268	ND	mg/kg dry	0.0558	10	1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*87 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*93 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*70 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*77 %*		*30-150*

ESS Laboratory

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Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.388	0.8	1	01/24/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.388	96	1	01/24/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.388	510	1	01/24/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.388	430	1	01/24/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.388	27	1	01/24/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.95		1	01/24/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.388	330	1	01/24/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.388	58	1	01/24/08
2,4-Dichlorophenol	ND	mg/kg dry	0.388	30	1	01/24/08
2,4-Dimethylphenol	ND	mg/kg dry	0.388	1400	1	01/24/08
2,4-Dinitrophenol	ND	mg/kg dry	1.95	160	1	01/24/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.388	0.9	1	01/24/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.388		1	01/24/08
2-Chloronaphthalene	ND	mg/kg dry	0.388		1	01/24/08
2-Chlorophenol	ND	mg/kg dry	0.388	50	1	01/24/08
2-Methylnaphthalene	ND	mg/kg dry	0.388	123	1	01/24/08
2-Methylphenol	ND	mg/kg dry	0.388		1	01/24/08
2-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
2-Nitrophenol	ND	mg/kg dry	0.388		1	01/24/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.777	1.4	1	01/24/08
3+4-Methylphenol	ND	mg/kg dry	0.777		1	01/24/08
3-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.95		1	01/24/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.388		1	01/24/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.388		1	01/24/08
4-Chloroaniline	ND	mg/kg dry	0.777	310	1	01/24/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.388		1	01/24/08
4-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
4-Nitrophenol	ND	mg/kg dry	1.95		1	01/24/08
Acenaphthene	**0.608**	mg/kg dry	0.388	43	1	01/24/08
Acenaphthylene	ND	mg/kg dry	0.388	23	1	01/24/08
Acetophenone	ND	mg/kg dry	0.777		1	01/24/08
Aniline	ND	mg/kg dry	1.95		1	01/24/08
Anthracene	**1.02**	mg/kg dry	0.388	35	1	01/24/08
Azobenzene	ND	mg/kg dry	0.388		1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.87**	mg/kg dry	0.388	0.9	1	01/24/08
Benzo(a)pyrene	**1.56**	mg/kg dry	0.195	0.4	1	01/24/08
Benzo(b)fluoranthene	**1.53**	mg/kg dry	0.388	0.9	1	01/24/08
Benzo(g,h,i)perylene	**0.631**	mg/kg dry	0.388	0.8	1	01/24/08
Benzo(k)fluoranthene	**1.04**	mg/kg dry	0.388	0.9	1	01/24/08
Benzoic Acid	ND	mg/kg dry	1.95		1	01/24/08
Benzyl Alcohol	ND	mg/kg dry	0.388		1	01/24/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.388		1	01/24/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.388	0.6	1	01/24/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.388	9.1	1	01/24/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.388	46	1	01/24/08
Butylbenzylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Carbazole	ND	mg/kg dry	0.388		1	01/24/08
Chrysene	**1.80**	mg/kg dry	0.195	0.4	1	01/24/08
Dibenzo(a,h)Anthracene	**0.344**	mg/kg dry	0.195	0.4	1	01/24/08
Dibenzofuran	**0.545**	mg/kg dry	0.388		1	01/24/08
Diethylphthalate	ND	mg/kg dry	0.388	340	1	01/24/08
Dimethylphthalate	ND	mg/kg dry	0.388	1900	1	01/24/08
Di-n-butylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Di-n-octylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Fluoranthene	**4.25**	mg/kg dry	0.388	20	1	01/24/08
Fluorene	**0.613**	mg/kg dry	0.388	28	1	01/24/08
Hexachlorobenzene	ND	mg/kg dry	0.195	0.4	1	01/24/08
Hexachlorobutadiene	ND	mg/kg dry	0.388	8.2	1	01/24/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.95		1	01/24/08
Hexachloroethane	ND	mg/kg dry	0.388	46	1	01/24/08
Indeno(1,2,3-cd)Pyrene	**0.737**	mg/kg dry	0.388	0.9	1	01/24/08
Isophorone	ND	mg/kg dry	0.388		1	01/24/08
Naphthalene	**0.420**	mg/kg dry	0.388	54	1	01/24/08
Nitrobenzene	ND	mg/kg dry	0.388		1	01/24/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.388		1	01/24/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.388		1	01/24/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.388		1	01/24/08
Pentachlorophenol	ND	mg/kg dry	1.95	5.3	1	01/24/08
Phenanthrene	**3.87**	mg/kg dry	0.388	40	1	01/24/08
Phenol	ND	mg/kg dry	0.388	6000	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Pyrene	**3.29**	mg/kg dry	0.388	13	1	01/24/08
Pyridine	ND	mg/kg dry	1.95		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*56 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*52 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B15
Date Sampled: 01/22/08 15:30
Percent Solids: 84
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2450**	mg/kg dry	46.5		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*26 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-S6
Date Sampled: 01/22/08 15:30
Percent Solids: 84
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1940**	mg/kg dry	45.1		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*30 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82420 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.217	0.033	mg/kg wet	0.2000		109	80-120			
LCS Dup										
Mercury	0.214	0.033	mg/kg wet	0.2000		107	80-120	2	20	
Reference										
Mercury	4.37	0.330	mg/kg wet	4.470		98	66-132.66			
Batch BA82517 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	30.4	3.3	mg/kg wet	33.33		91	80-120			
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120			
Cadmium	15.1	0.67	mg/kg wet	16.67		91	80-120			
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120			
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120			
Selenium	61.2	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		96	80-120			
LCS Dup										
Arsenic	31.0	3.3	mg/kg wet	33.33		93	80-120	2	20	
Barium	32.4	3.3	mg/kg wet	33.33		97	80-120	1	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	0.8	20	
Chromium	32.9	1.3	mg/kg wet	33.33		99	80-120	1	20	
Lead	33.0	6.7	mg/kg wet	33.33		99	80-120	0.5	20	
Selenium	62.3	6.7	mg/kg wet	66.67		93	80-120	2	20	
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120	0.8	20	
Reference										
Arsenic	80.2	5.0	mg/kg wet	88.80		90	80.86-119.37			
Barium	401	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	57.2	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	91.0	2.0	mg/kg wet	97.90		93	78.86-120.53			
Lead	87.4	10.0	mg/kg wet	88.90		98	81.78-118.11			
Selenium	160	10.0	mg/kg wet	155.0		103	77.42-122.58			
Silver	80.6	1.00	mg/kg wet	81.60		99	66.3-133.58			
Reference										
Barium	446	4.9	mg/kg wet	500.0		89	70-130			
Cadmium	424	1.00	mg/kg wet	500.0		85	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82517 - 3050B										
Chromium	465	2.0	mg/kg wet	500.0		93	70-130			
Lead	492	9.9	mg/kg wet	500.0		98	70-130			
Silver	339	1.00	mg/kg wet	500.0		68	70-130			R-
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.35*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	25.6		ug/L	25.00		102	70-130			
1,1,1-Trichloroethane	26.0		ug/L	25.00		104	70-130			
1,1,2,2-Tetrachloroethane	25.5		ug/L	25.00		102	70-130			
1,1,2-Trichloroethane	25.5		ug/L	25.00		102	70-130			
1,1-Dichloroethane	26.1		ug/L	25.00		104	70-130			
1,1-Dichloroethene	28.3		ug/L	25.00		113	70-130			
1,1-Dichloropropene	26.2		ug/L	25.00		105	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
1,2,3-Trichlorobenzene	26.7		ug/L	25.00		107	70-130			
1,2,3-Trichloropropane	26.4		ug/L	25.00		106	70-130			
1,2,4-Trichlorobenzene	26.5		ug/L	25.00		106	70-130			
1,2,4-Trimethylbenzene	26.4		ug/L	25.00		106	70-130			
1,2-Dibromo-3-Chloropropane	25.9		ug/L	25.00		104	70-130			
1,2-Dibromoethane	25.6		ug/L	25.00		103	70-130			
1,2-Dichlorobenzene	25.8		ug/L	25.00		103	70-130			
1,2-Dichloroethane	26.2		ug/L	25.00		105	70-130			
1,2-Dichloropropane	26.2		ug/L	25.00		105	70-130			
1,3,5-Trimethylbenzene	25.7		ug/L	25.00		103	70-130			
1,3-Dichlorobenzene	26.1		ug/L	25.00		104	70-130			
1,3-Dichloropropane	26.2		ug/L	25.00		105	70-130			
1,4-Dichlorobenzene	25.5		ug/L	25.00		102	70-130			
1,4-Dioxane - Screen	896		ug/L	500.0		179	44-241			
1-Chlorohexane	25.7		ug/L	25.00		103	70-130			
2,2-Dichloropropane	25.1		ug/L	25.00		101	70-130			
2-Butanone	163		ug/L	125.0		131	70-130			B+
2-Chlorotoluene	27.4		ug/L	25.00		110	70-130			
2-Hexanone	148		ug/L	125.0		118	70-130			
4-Chlorotoluene	25.6		ug/L	25.00		102	70-130			
4-Isopropyltoluene	25.1		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	138		ug/L	125.0		111	70-130			
Acetone	191		ug/L	125.0		153	70-130			B+
Benzene	25.7		ug/L	25.00		103	70-130			
Bromobenzene	25.9		ug/L	25.00		103	70-130			
Bromochloromethane	24.9		ug/L	25.00		100	70-130			
Bromodichloromethane	28.3		ug/L	25.00		113	70-130			
Bromoform	26.2		ug/L	25.00		105	70-130			
Bromomethane	30.1		ug/L	25.00		120	70-130			
Carbon Disulfide	28.8		ug/L	25.00		115	70-130			
Carbon Tetrachloride	26.2		ug/L	25.00		105	70-130			
Chlorobenzene	25.6		ug/L	25.00		103	70-130			
Chloroethane	26.2		ug/L	25.00		105	70-130			
Chloroform	25.7		ug/L	25.00		103	70-130			
Chloromethane	23.2		ug/L	25.00		93	70-130			
cis-1,2-Dichloroethene	28.7		ug/L	25.00		115	70-130			
cis-1,3-Dichloropropene	26.2		ug/L	25.00		105	70-130			
Dibromochloromethane	27.2		ug/L	25.00		109	70-130			
Dibromomethane	25.3		ug/L	25.00		101	70-130			
Dichlorodifluoromethane	21.7		ug/L	25.00		87	70-130			
Diethyl Ether	28.3		ug/L	25.00		113	70-130			
Di-isopropyl ether	27.3		ug/L	25.00		109	70-130			
Ethyl tertiary-butyl ether	26.5		ug/L	25.00		106	70-130			
Ethylbenzene	25.5		ug/L	25.00		102	70-130			
Hexachlorobutadiene	27.1		ug/L	25.00		109	70-130			
Isopropylbenzene	23.2		ug/L	25.00		93	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Methyl tert-Butyl Ether	26.9		ug/L	25.00		108	70-130			
Methylene Chloride	27.3		ug/L	25.00		109	70-130			
Naphthalene	24.3		ug/L	25.00		97	70-130			
n-Butylbenzene	27.1		ug/L	25.00		108	70-130			
n-Propylbenzene	25.2		ug/L	25.00		101	70-130			
sec-Butylbenzene	26.2		ug/L	25.00		105	70-130			
Styrene	26.2		ug/L	25.00		105	70-130			
tert-Butylbenzene	27.1		ug/L	25.00		108	70-130			
Tertiary-amyl methyl ether	27.2		ug/L	25.00		109	70-130			
Tetrachloroethene	24.0		ug/L	25.00		96	70-130			
Tetrahydrofuran	27.6		ug/L	25.00		*110*	*70-130*			
Toluene	25.7		ug/L	25.00		103	70-130			
trans-1,2-Dichloroethene	28.1		ug/L	25.00		112	70-130			
trans-1,3-Dichloropropene	23.9		ug/L	25.00		96	70-130			
Trichloroethene	25.8		ug/L	25.00		103	70-130			
Vinyl Acetate	*25.9*		ug/L	25.00		104	70-130			
Vinyl Chloride	31.5		ug/L	25.00		126	70-130			
Xylene O	25.7		ug/L	25.00		103	70-130			
Xylene P,M	51.3		ug/L	50.00		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*2.36*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	25.4		ug/L	25.00		102	70-130	0.4	20	
1,1,1-Trichloroethane	25.9		ug/L	25.00		104	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	25.6		ug/L	25.00		103	70-130	0.6	20	
1,1,2-Trichloroethane	25.8		ug/L	25.00		103	70-130	0.8	20	
1,1-Dichloroethane	26.1		ug/L	25.00		105	70-130	0.04	20	
1,1-Dichloroethene	27.8		ug/L	25.00		111	70-130	2	20	
1,1-Dichloropropene	26.0		ug/L	25.00		104	70-130	0.6	20	
1,2,3-Trichlorobenzene	27.0		ug/L	25.00		108	70-130	1	20	
1,2,3-Trichloropropane	26.7		ug/L	25.00		107	70-130	0.9	20	
1,2,4-Trichlorobenzene	26.5		ug/L	25.00		106	70-130	0.1	20	
1,2,4-Trimethylbenzene	26.4		ug/L	25.00		105	70-130	0.1	20	
1,2-Dibromo-3-Chloropropane	25.8		ug/L	25.00		103	70-130	0.2	20	
1,2-Dibromoethane	25.9		ug/L	25.00		104	70-130	1	20	
1,2-Dichlorobenzene	25.9		ug/L	25.00		104	70-130	0.3	20	
1,2-Dichloroethane	26.3		ug/L	25.00		105	70-130	0.7	20	
1,2-Dichloropropane	26.0		ug/L	25.00		104	70-130	1	20	
1,3,5-Trimethylbenzene	25.6		ug/L	25.00		103	70-130	0.3	20	
1,3-Dichlorobenzene	25.7		ug/L	25.00		103	70-130	2	20	
1,3-Dichloropropane	26.3		ug/L	25.00		105	70-130	0.2	20	
1,4-Dichlorobenzene	25.3		ug/L	25.00		101	70-130	0.6	20	
1,4-Dioxane - Screen	1040		ug/L	500.0		207	44-241	14	200	
1-Chlorohexane	25.3		ug/L	25.00		101	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

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Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
2,2-Dichloropropane	25.0		ug/L	25.00		100	70-130	0.6	20	
2-Butanone	164		ug/L	125.0		131	70-130	0.4	20	B+
2-Chlorotoluene	24.4		ug/L	25.00		97	70-130	12	20	
2-Hexanone	149		ug/L	125.0		120	70-130	1	20	
4-Chlorotoluene	25.6		ug/L	25.00		102	70-130	0.04	20	
4-Isopropyltoluene	24.8		ug/L	25.00		99	70-130	1	20	
4-Methyl-2-Pentanone	142		ug/L	125.0		113	70-130	3	20	
Acetone	182		ug/L	125.0		146	70-130	5	20	B+
Benzene	25.5		ug/L	25.00		102	70-130	0.9	20	
Bromobenzene	25.7		ug/L	25.00		103	70-130	0.7	20	
Bromochloromethane	25.0		ug/L	25.00		100	70-130	0.3	20	
Bromodichloromethane	28.0		ug/L	25.00		112	70-130	1	20	
Bromoform	26.5		ug/L	25.00		106	70-130	1	20	
Bromomethane	29.4		ug/L	25.00		118	70-130	2	20	
Carbon Disulfide	28.6		ug/L	25.00		114	70-130	0.8	20	
Carbon Tetrachloride	26.1		ug/L	25.00		104	70-130	0.3	20	
Chlorobenzene	25.6		ug/L	25.00		103	70-130	0	20	
Chloroethane	25.7		ug/L	25.00		103	70-130	2	20	
Chloroform	25.8		ug/L	25.00		103	70-130	0.2	20	
Chloromethane	23.0		ug/L	25.00		92	70-130	1	20	
cis-1,2-Dichloroethene	28.4		ug/L	25.00		114	70-130	0.8	20	
cis-1,3-Dichloropropene	26.1		ug/L	25.00		104	70-130	0.7	20	
Dibromochloromethane	27.3		ug/L	25.00		109	70-130	0.6	20	
Dibromomethane	25.7		ug/L	25.00		103	70-130	1	20	
Dichlorodifluoromethane	21.3		ug/L	25.00		85	70-130	2	20	
Diethyl Ether	28.6		ug/L	25.00		114	70-130	0.8	20	
Di-isopropyl ether	27.3		ug/L	25.00		109	70-130	0.1	20	
Ethyl tertiary-butyl ether	26.6		ug/L	25.00		106	70-130	0.3	20	
Ethylbenzene	25.5		ug/L	25.00		102	70-130	0.2	20	
Hexachlorobutadiene	27.2		ug/L	25.00		109	70-130	0.1	20	
Isopropylbenzene	23.0		ug/L	25.00		92	70-130	0.6	20	
Methyl tert-Butyl Ether	27.4		ug/L	25.00		110	70-130	2	20	
Methylene Chloride	27.0		ug/L	25.00		108	70-130	1	20	
Naphthalene	24.9		ug/L	25.00		100	70-130	2	20	
n-Butylbenzene	26.9		ug/L	25.00		108	70-130	0.7	20	
n-Propylbenzene	27.2		ug/L	25.00		109	70-130	8	20	
sec-Butylbenzene	26.0		ug/L	25.00		104	70-130	0.9	20	
Styrene	26.2		ug/L	25.00		105	70-130	0	20	
tert-Butylbenzene	27.1		ug/L	25.00		108	70-130	0.1	20	
Tertiary-amyl methyl ether	27.1		ug/L	25.00		109	70-130	0.4	20	
Tetrachloroethene	23.5		ug/L	25.00		94	70-130	2	20	
Tetrahydrofuran	26.8		ug/L	25.00		107	70-130	3	20	
Toluene	25.7		ug/L	25.00		103	70-130	0.08	20	
trans-1,2-Dichloroethene	27.9		ug/L	25.00		112	70-130	0.7	20	
trans-1,3-Dichloropropene	24.2		ug/L	25.00		97	70-130	1	20	
Trichloroethene	25.8		ug/L	25.00		103	70-130	0.04	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Vinyl Acetate	26.1		ug/L	25.00		104	70-130	0.7	20	
Vinyl Chloride	31.3		ug/L	25.00		125	70-130	0.7	20	
Xylene O	25.8		ug/L	25.00		103	70-130	0.3	20	
Xylene P,M	51.5		ug/L	50.00		103	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.48*		mg/kg wet	*2.500*		*99*	*70-130*			
8015M Diesel Range Organics										
Batch BA82324 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.34*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	1.84	0.26	mg/kg wet	2.500		73	40-140			
Docosane (C22)	2.45	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.09	0.26	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Hexadecane (C16)	2.33	0.26	mg/kg wet	2.500		93	40-140			
Nonadecane (C19)	2.52	0.26	mg/kg wet	2.500		101	40-140			
Octacosane (C28)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.40	0.26	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.58	0.26	mg/kg wet	2.500		103	40-140			
Tetradecane (C14)	2.22	0.26	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	1.92	0.26	mg/kg wet	2.500		77	40-140	5	50	
Docosane (C22)	2.46	0.26	mg/kg wet	2.500		98	40-140	0.3	50	
Dodecane (C12)	2.19	0.26	mg/kg wet	2.500		88	40-140	5	50	
Eicosane (C20)	2.46	0.26	mg/kg wet	2.500		98	40-140	1	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82324 - 3541										
Hexacosane (C26)	2.42	0.26	mg/kg wet	2.500		97	40-140	0.5	50	
Hexadecane (C16)	2.35	0.26	mg/kg wet	2.500		94	40-140	1	50	
Nonadecane (C19)	2.53	0.26	mg/kg wet	2.500		101	40-140	0.4	50	
Octacosane (C28)	2.45	0.26	mg/kg wet	2.500		98	40-140	0.3	50	
Octadecane (C18)	2.44	0.26	mg/kg wet	2.500		98	40-140	2	50	
Tetracosane (C24)	2.50	0.26	mg/kg wet	2.500		100	40-140	3	50	
Tetradecane (C14)	2.29	0.26	mg/kg wet	2.500		92	40-140	3	50	
Surrogate: O-Terphenyl	*4.21*		mg/kg wet	*5.000*		*84*	*40-140*			
Matrix Spike **Source: 0801267-03**										**MM**
Decane (C10)	2.41	0.31	mg/kg dry	3.022	ND	80	40-140			
Docosane (C22)	1.60	0.31	mg/kg dry	3.022	1.79	NR	40-140			
Dodecane (C12)	6.46	0.31	mg/kg dry	3.022	1.93	150	40-140			
Eicosane (C20)	0.336	0.31	mg/kg dry	3.022	0.410	NR	40-140			
Hexacosane (C26)	1.26	0.31	mg/kg dry	3.022	1.62	NR	40-140			
Hexadecane (C16)	1.90	0.31	mg/kg dry	3.022	1.37	18	40-140			
Nonadecane (C19)	6.00	0.31	mg/kg dry	3.022	5.49	17	40-140			
Octacosane (C28)	1.72	0.31	mg/kg dry	3.022	1.60	4	40-140			
Octadecane (C18)	12.8	0.31	mg/kg dry	3.022	14.5	NR	40-140			
Tetracosane (C24)	2.53	0.31	mg/kg dry	3.022	3.42	NR	40-140			
Tetradecane (C14)	4.51	0.31	mg/kg dry	3.022	3.93	19	40-140			
Surrogate: O-Terphenyl	*2.00*		mg/kg dry	*6.043*		*33*	*40-140*			*SM*
Matrix Spike Dup **Source: 0801267-03**										**MM**
Decane (C10)	1.85	0.29	mg/kg dry	2.890	ND	64	40-140	26	50	
Docosane (C22)	1.92	0.29	mg/kg dry	2.890	1.79	5	40-140	18	50	
Dodecane (C12)	4.11	0.29	mg/kg dry	2.890	1.93	75	40-140	45	50	
Eicosane (C20)	0.465	0.29	mg/kg dry	2.890	0.410	2	40-140	32	50	
Hexacosane (C26)	1.77	0.29	mg/kg dry	2.890	1.62	5	40-140	33	50	
Hexadecane (C16)	1.46	0.29	mg/kg dry	2.890	1.37	3	40-140	27	50	
Nonadecane (C19)	5.48	0.29	mg/kg dry	2.890	5.49	NR	40-140	9	50	
Octacosane (C28)	2.34	0.29	mg/kg dry	2.890	1.60	26	40-140	31	50	
Octadecane (C18)	9.12	0.29	mg/kg dry	2.890	14.5	NR	40-140	34	50	
Tetracosane (C24)	3.71	0.29	mg/kg dry	2.890	3.42	10	40-140	38	50	
Tetradecane (C14)	3.73	0.29	mg/kg dry	2.890	3.93	NR	40-140	19	50	
Surrogate: O-Terphenyl	*1.83*		mg/kg dry	*5.779*		*32*	*40-140*			*SM*
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82412 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82412 - 3541										
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0240*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0247*		mg/kg wet	*0.02500*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0238*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0259*		mg/kg wet	*0.02500*		*104*	*30-150*			
LCS										
Aroclor 1016	0.556	0.0500	mg/kg wet	0.5000		111	40-140			
Aroclor 1260	0.536	0.0500	mg/kg wet	0.5000		107	40-140			
Surrogate: Decachlorobiphenyl	*0.0254*		mg/kg wet	*0.02500*		*102*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0253*		mg/kg wet	*0.02500*		*101*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0254*		mg/kg wet	*0.02500*		*102*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0258*		mg/kg wet	*0.02500*		*103*	*30-150*			
LCS Dup										
Aroclor 1016	0.537	0.0500	mg/kg wet	0.5000		107	40-140	4	50	
Aroclor 1260	0.519	0.0500	mg/kg wet	0.5000		104	40-140	3	50	
Surrogate: Decachlorobiphenyl	*0.0244*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0241*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.14*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.14*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.47*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: 2-Fluorophenol	*2.15*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.47*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: Phenol-d6	*2.91*		mg/kg wet	*3.750*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
LCS										
1,1-Biphenyl	0.916	0.250	mg/kg wet	2.500		37	40-140			B-
1,2,4-Trichlorobenzene	1.32	0.250	mg/kg wet	2.500		53	40-140			
1,2-Dichlorobenzene	1.27	0.250	mg/kg wet	2.500		51	40-140			
1,3-Dichlorobenzene	1.18	0.250	mg/kg wet	2.500		47	40-140			
1,4-Dichlorobenzene	1.21	0.250	mg/kg wet	2.500		49	40-140			
2,3,4,6-Tetrachlorophenol	2.15	1.25	mg/kg wet	2.500		86	30-130			
2,4,5-Trichlorophenol	1.99	0.250	mg/kg wet	2.500		80	30-130			
2,4,6-Trichlorophenol	1.86	0.250	mg/kg wet	2.500		75	30-130			
2,4-Dichlorophenol	1.65	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dimethylphenol	1.58	0.250	mg/kg wet	2.500		63	30-130			
2,4-Dinitrophenol	1.93	1.25	mg/kg wet	2.500		77	30-130			
2,4-Dinitrotoluene	2.14	0.250	mg/kg wet	2.500		86	40-140			
2,6-Dinitrotoluene	1.97	0.250	mg/kg wet	2.500		79	40-140			
2-Chloronaphthalene	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Chlorophenol	1.31	0.250	mg/kg wet	2.500		52	30-130			
2-Methylnaphthalene	1.53	0.250	mg/kg wet	2.500		61	40-140			
2-Methylphenol	1.58	0.250	mg/kg wet	2.500		63	30-130			
2-Nitroaniline	1.74	0.250	mg/kg wet	2.500		70	40-140			
2-Nitrophenol	1.41	0.250	mg/kg wet	2.500		57	30-130			
3,3'-Dichlorobenzidine	2.08	0.500	mg/kg wet	2.500		83	40-140			
3+4-Methylphenol	2.72	0.500	mg/kg wet	5.000		54	30-130			
3-Nitroaniline	2.11	0.250	mg/kg wet	2.500		84	40-140			
4,6-Dinitro-2-Methylphenol	2.23	1.25	mg/kg wet	2.500		89	30-130			
4-Bromophenyl-phenylether	1.85	0.250	mg/kg wet	2.500		74	40-140			
4-Chloro-3-Methylphenol	1.90	0.250	mg/kg wet	2.500		76	30-130			
4-Chloroaniline	1.39	0.500	mg/kg wet	2.500		56	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
4-Nitroaniline	2.10	0.250	mg/kg wet	2.500		84	40-140			
4-Nitrophenol	2.09	1.25	mg/kg wet	2.500		84	30-130			
Acenaphthene	1.79	0.250	mg/kg wet	2.500		72	40-140			
Acenaphthylene	1.76	0.250	mg/kg wet	2.500		70	40-140			
Acetophenone	1.48	0.500	mg/kg wet	2.500		59	40-140			
Aniline	1.15	1.25	mg/kg wet	2.500		46	40-140			
Anthracene	1.91	0.250	mg/kg wet	2.500		76	40-140			
Azobenzene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Benzo(a)anthracene	2.13	0.250	mg/kg wet	2.500		85	40-140			
Benzo(a)pyrene	1.96	0.125	mg/kg wet	2.500		79	40-140			
Benzo(b)fluoranthene	2.15	0.250	mg/kg wet	2.500		86	40-140			
Benzo(g,h,i)perylene	1.96	0.250	mg/kg wet	2.500		79	40-140			
Benzo(k)fluoranthene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Benzoic Acid	0.288	1.25	mg/kg wet	2.500		12	40-140			B-
Benzyl Alcohol	1.57	0.250	mg/kg wet	2.500		63	40-140			
bis(2-Chloroethoxy)methane	1.13	0.250	mg/kg wet	2.500		45	40-140			
bis(2-Chloroethyl)ether	1.25	0.250	mg/kg wet	2.500		50	40-140			
bis(2-chloroisopropyl)Ether	1.19	0.250	mg/kg wet	2.500		48	40-140			
bis(2-Ethylhexyl)phthalate	2.18	0.250	mg/kg wet	2.500		87	40-140			
Butylbenzylphthalate	2.13	0.250	mg/kg wet	2.500		85	40-140			
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140			
Chrysene	2.14	0.125	mg/kg wet	2.500		86	40-140			
Dibenzo(a,h)Anthracene	1.97	0.125	mg/kg wet	2.500		79	40-140			
Dibenzofuran	1.83	0.250	mg/kg wet	2.500		73	40-140			
Diethylphthalate	1.99	0.250	mg/kg wet	2.500		80	40-140			
Dimethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Di-n-butylphthalate	1.97	0.250	mg/kg wet	2.500		79	40-140			
Di-n-octylphthalate	1.94	0.250	mg/kg wet	2.500		77	40-140			
Fluoranthene	2.10	0.250	mg/kg wet	2.500		84	40-140			
Fluorene	1.79	0.250	mg/kg wet	2.500		72	40-140			
Hexachlorobenzene	1.80	0.125	mg/kg wet	2.500		72	40-140			
Hexachlorobutadiene	1.25	0.250	mg/kg wet	2.500		50	40-140			
Hexachlorocyclopentadiene	1.13	1.25	mg/kg wet	2.500		45	40-140			
Hexachloroethane	1.16	0.250	mg/kg wet	2.500		47	40-140			
Indeno(1,2,3-cd)Pyrene	1.95	0.250	mg/kg wet	2.500		78	40-140			
Isophorone	1.47	0.250	mg/kg wet	2.500		59	40-140			
Naphthalene	1.32	0.250	mg/kg wet	2.500		53	40-140			
Nitrobenzene	1.23	0.250	mg/kg wet	2.500		49	40-140			
N-Nitrosodimethylamine	1.11	0.250	mg/kg wet	2.500		45	40-140			
N-Nitroso-Di-n-Propylamine	1.12	0.250	mg/kg wet	2.500		45	40-140			
N-nitrosodiphenylamine	1.95	0.250	mg/kg wet	2.500		78	40-140			
Pentachlorophenol	2.48	1.25	mg/kg wet	2.500		99	30-130			
Phenanthrene	1.91	0.250	mg/kg wet	2.500		76	40-140			
Phenol	1.32	0.250	mg/kg wet	2.500		53	30-130			
Pyrene	2.03	0.250	mg/kg wet	2.500		81	40-140			
Pyridine	0.434	1.25	mg/kg wet	2.500		17	40-140			B-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Surrogate: 1,2-Dichlorobenzene-d4	*1.22*		mg/kg wet	*2.500*		*49*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.83*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.86*		mg/kg wet	*3.750*		*49*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*1.77*		mg/kg wet	*3.750*		*47*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.33*		mg/kg wet	*2.500*		*53*	*30-130*			
Surrogate: Phenol-d6	*2.39*		mg/kg wet	*3.750*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.07*		mg/kg wet	*2.500*		*83*	*30-130*			
LCS Dup										
1,1-Biphenyl	0.780	0.250	mg/kg wet	2.500		31	40-140	16	30	B-
1,2,4-Trichlorobenzene	1.04	0.250	mg/kg wet	2.500		42	40-140	23	30	
1,2-Dichlorobenzene	0.857	0.250	mg/kg wet	2.500		34	40-140	39	30	B-, D+
1,3-Dichlorobenzene	0.804	0.250	mg/kg wet	2.500		32	40-140	38	30	B-, D+
1,4-Dichlorobenzene	0.842	0.250	mg/kg wet	2.500		34	40-140	36	30	B-, D+
2,3,4,6-Tetrachlorophenol	1.83	1.25	mg/kg wet	2.500		73	30-130	16	30	
2,4,5-Trichlorophenol	1.83	0.250	mg/kg wet	2.500		73	30-130	8	30	
2,4,6-Trichlorophenol	1.62	0.250	mg/kg wet	2.500		65	30-130	14	30	
2,4-Dichlorophenol	1.42	0.250	mg/kg wet	2.500		57	30-130	16	30	
2,4-Dimethylphenol	1.34	0.250	mg/kg wet	2.500		54	30-130	16	30	
2,4-Dinitrophenol	1.55	1.25	mg/kg wet	2.500		62	30-130	22	30	
2,4-Dinitrotoluene	1.85	0.250	mg/kg wet	2.500		74	40-140	15	30	
2,6-Dinitrotoluene	1.70	0.250	mg/kg wet	2.500		68	40-140	15	30	
2-Chloronaphthalene	1.28	0.250	mg/kg wet	2.500		51	40-140	16	30	
2-Chlorophenol	0.972	0.250	mg/kg wet	2.500		39	30-130	29	30	
2-Methylnaphthalene	1.27	0.250	mg/kg wet	2.500		51	40-140	18	30	
2-Methylphenol	1.28	0.250	mg/kg wet	2.500		51	30-130	21	30	
2-Nitroaniline	1.45	0.250	mg/kg wet	2.500		58	40-140	19	30	
2-Nitrophenol	1.13	0.250	mg/kg wet	2.500		45	30-130	22	30	
3,3'-Dichlorobenzidine	1.80	0.500	mg/kg wet	2.500		72	40-140	14	30	
3+4-Methylphenol	2.25	0.500	mg/kg wet	5.000		45	30-130	19	30	
3-Nitroaniline	1.83	0.250	mg/kg wet	2.500		73	40-140	14	30	
4,6-Dinitro-2-Methylphenol	1.87	1.25	mg/kg wet	2.500		75	30-130	17	30	
4-Bromophenyl-phenylether	1.60	0.250	mg/kg wet	2.500		64	40-140	15	30	
4-Chloro-3-Methylphenol	1.66	0.250	mg/kg wet	2.500		66	30-130	14	30	
4-Chloroaniline	1.15	0.500	mg/kg wet	2.500		46	40-140	19	30	
4-Chloro-phenyl-phenyl ether	1.70	0.250	mg/kg wet	2.500		68	40-140	16	30	
4-Nitroaniline	1.85	0.250	mg/kg wet	2.500		74	40-140	13	30	
4-Nitrophenol	1.79	1.25	mg/kg wet	2.500		72	30-130	16	30	
Acenaphthene	1.55	0.250	mg/kg wet	2.500		62	40-140	14	30	
Acenaphthylene	1.51	0.250	mg/kg wet	2.500		60	40-140	16	30	
Acetophenone	1.14	0.500	mg/kg wet	2.500		46	40-140	26	30	
Aniline	0.862	1.25	mg/kg wet	2.500		34	40-140	29	30	B-
Anthracene	1.64	0.250	mg/kg wet	2.500		65	40-140	15	30	
Azobenzene	1.59	0.250	mg/kg wet	2.500		64	40-140	13	30	
Benzo(a)anthracene	1.86	0.250	mg/kg wet	2.500		74	40-140	14	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Benzo(a)pyrene	1.70	0.125	mg/kg wet	2.500		68	40-140	15	30	
Benzo(b)fluoranthene	1.69	0.250	mg/kg wet	2.500		68	40-140	24	30	
Benzo(g,h,i)perylene	1.67	0.250	mg/kg wet	2.500		67	40-140	16	30	
Benzo(k)fluoranthene	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Benzoic Acid	0.176	1.25	mg/kg wet	2.500		7	40-140	48	30	B-, D+
Benzyl Alcohol	1.24	0.250	mg/kg wet	2.500		50	40-140	23	30	
bis(2-Chloroethoxy)methane	0.838	0.250	mg/kg wet	2.500		34	40-140	30	30	B-
bis(2-Chloroethyl)ether	0.910	0.250	mg/kg wet	2.500		36	40-140	31	30	B-, D+
bis(2-chloroisopropyl)Ether	0.904	0.250	mg/kg wet	2.500		36	40-140	28	30	B-
bis(2-Ethylhexyl)phthalate	1.93	0.250	mg/kg wet	2.500		77	40-140	12	30	
Butylbenzylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140	14	30	
Carbazole	1.80	0.250	mg/kg wet	2.500		72	40-140	14	30	
Chrysene	1.89	0.125	mg/kg wet	2.500		75	40-140	13	30	
Dibenzo(a,h)Anthracene	1.72	0.125	mg/kg wet	2.500		69	40-140	13	30	
Dibenzofuran	1.59	0.250	mg/kg wet	2.500		64	40-140	14	30	
Diethylphthalate	1.72	0.250	mg/kg wet	2.500		69	40-140	14	30	
Dimethylphthalate	1.73	0.250	mg/kg wet	2.500		69	40-140	16	30	
Di-n-butylphthalate	1.70	0.250	mg/kg wet	2.500		68	40-140	14	30	
Di-n-octylphthalate	1.67	0.250	mg/kg wet	2.500		67	40-140	15	30	
Fluoranthene	1.81	0.250	mg/kg wet	2.500		72	40-140	15	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	13	30	
Hexachlorobenzene	1.57	0.125	mg/kg wet	2.500		63	40-140	14	30	
Hexachlorobutadiene	0.954	0.250	mg/kg wet	2.500		38	40-140	27	30	B-
Hexachlorocyclopentadiene	0.898	1.25	mg/kg wet	2.500		36	40-140	23	30	B-
Hexachloroethane	0.812	0.250	mg/kg wet	2.500		32	40-140	36	30	B-, D+
Indeno(1,2,3-cd)Pyrene	1.68	0.250	mg/kg wet	2.500		67	40-140	15	30	
Isophorone	1.25	0.250	mg/kg wet	2.500		50	40-140	17	30	
Naphthalene	1.05	0.250	mg/kg wet	2.500		42	40-140	22	30	
Nitrobenzene	0.994	0.250	mg/kg wet	2.500		40	40-140	21	30	
N-Nitrosodimethylamine	0.735	0.250	mg/kg wet	2.500		29	40-140	41	30	B-, D+
N-Nitroso-Di-n-Propylamine	1.01	0.250	mg/kg wet	2.500		40	40-140	11	30	
N-nitrosodiphenylamine	1.68	0.250	mg/kg wet	2.500		67	40-140	15	30	
Pentachlorophenol	2.13	1.25	mg/kg wet	2.500		85	30-130	15	30	
Phenanthrene	1.62	0.250	mg/kg wet	2.500		65	40-140	16	30	
Phenol	1.02	0.250	mg/kg wet	2.500		41	30-130	26	30	
Pyrene	1.79	0.250	mg/kg wet	2.500		72	40-140	12	30	
Pyridine	0.270	1.25	mg/kg wet	2.500		11	40-140	47	30	B-, D+
Surrogate: 1,2-Dichlorobenzene-d4	*0.836*		mg/kg wet	*2.500*		*33*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.43*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.43*		mg/kg wet	*3.750*		*38*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.44*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: 2-Fluorophenol	*1.31*		mg/kg wet	*3.750*		*35*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.04*		mg/kg wet	*2.500*		*42*	*30-130*			
Surrogate: Phenol-d6	*1.91*		mg/kg wet	*3.750*		*51*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
R-	Standard Reference Material is biased low.
MM	Majority of matrix spike compounds are outside of criteria due to matrix interferences.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP Navy USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 9801267

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF___ Other_____

Co. Name: Tk & K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate
State: MA
Zip: 02066
PO#:
Telephone #:
Fax #:
Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	624	524.2	8021 MTBE/BTEX	VPH w/targets	8100 TPH	8015 GRO	8015 DRO	EPH w/o PAHs	EPH w/PAHs	8081 Pesticides	8082 PCB	608 Pesticides	608 PCB	8270 SVOA	625	PAH 8270	RCRA5	RCRA8	PP13	TAL23	TCLP-RCRA8	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg	EPH 4 Diesel
1	1/18/08	1500	X		S	OFFTA-WC03	1/6	5	G	✓					✓					✓				✓			✓								
2	1/22/08	1530	X		S	OFFTA-A-B15	1	1	G						✓																				
3	1/22/08	1530	X		S	OFFTA-A-S6	1	1	G						✓																				

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: [illegible]

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/08 1037	[signature]	1/23 1030	[signature]	1/23/08 14:30	[signature]	1-23-08 1430
[signature]	1/23/08 1130	[signature]	1/23/07 11:30	[signature]	1/23/08 11:30	[signature]	1-23-08 1930

By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing. JTO 1-23-08

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **B1**

SIZE (linear feet)
Length 25 **Width 25** **Depth 9**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 1/23/08 to expose Area B1 and 8-inch VCP running north/south through area. Top 18 inches of material removed and segregated clean (later sampled as WC-04). Center section of pipe removed and grouted leaving excavation. One section of pipe along shoreline also removed and grouted. No material observed in pipe.

Area B1 sampled on 1/24/08. Per discussion with RIDEM representative Paul Kulpa, sediment sample from pipe B1 outfall collected and designated OFFTA-B1-B0.

Contaminated material segregated and comprised WC-05 and WC06.

Area B1 backfilled on 1/31/08.

EXCEPTIONS TO WORK PLAN (IF ANY)

Piping not removed from excavation since no material observed in pipe and no need to disturb emabankment along shoreline.

AREA DESIGNATION **B1**

SAMPLING SUMMARY

Soil Samples

Location
B – Base (see diagram)
S – Sidewall Sample (see diagram)

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (petroflag)	TPH	VOCs	PAHs	SVOCs	PCBs	Metals	
B1	B-4	9	2227	4470						
B1	B-4D	9	2428	1570						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **5**

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Sand and gravel, fill, brick, rubble and glass/ ceramic**

Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 141 CY (see attached calculation sheets)

Area B1 @ ~~West~~

~~279.9~~ g. 3000

(17)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

-3

Date: 1/24/08
Operator: L. Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1/24/08
Calibration Temperature: 14.6C

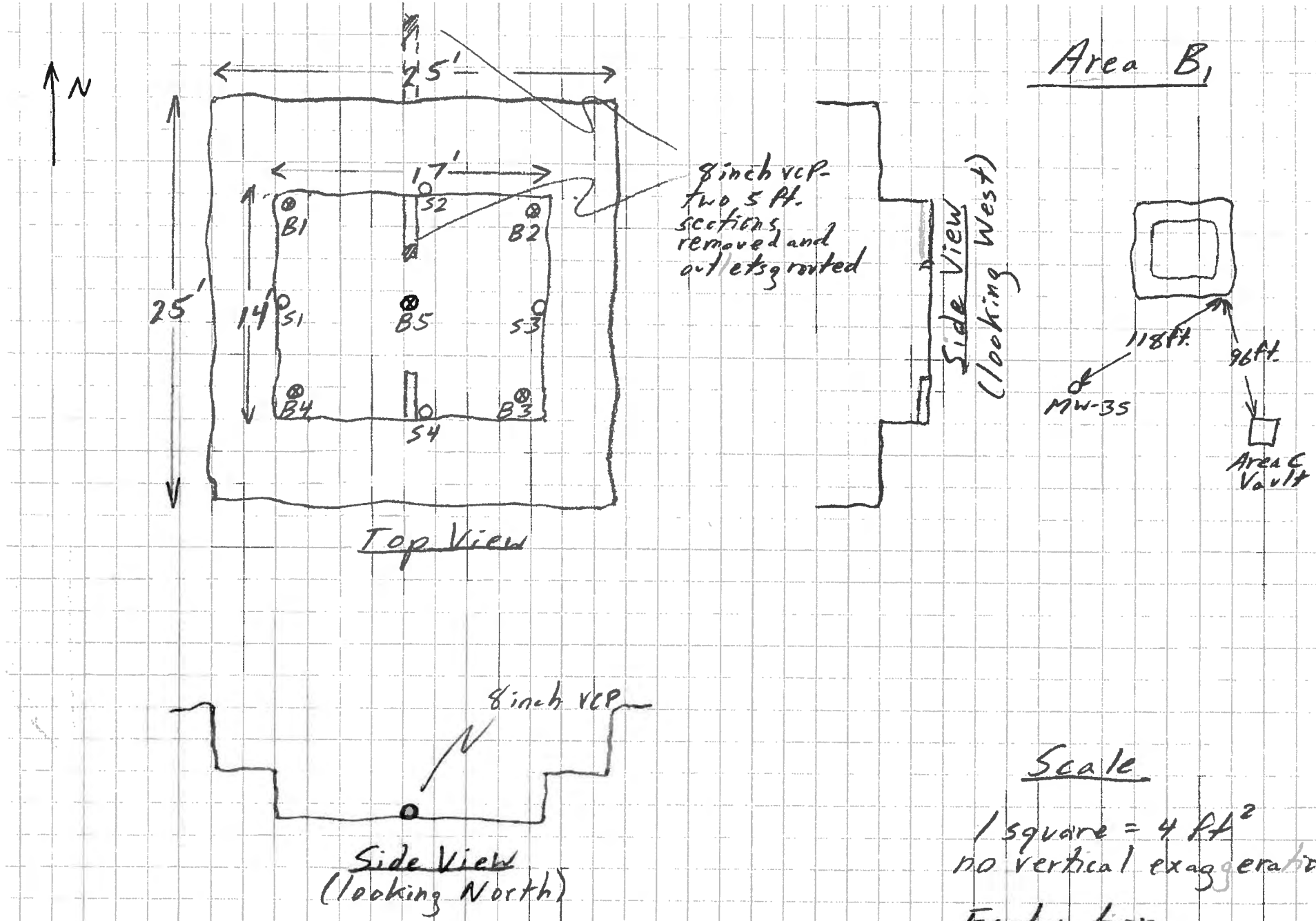
No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	B	~~10.0~~	1252/1/24/08	0				
2	S	~~10.1~~		error *				
3	B1-B1	~~9.9~~ 10.0		2028				
4	-B2	10.1		900				
5	-B3	9.9		2148				
6	-B4	10.0		2227				4470
7	-B5	10.1		2212				
8	-S1	10.0		400				
9	-S2	10.0		765				
10	-S3	10.0		438				
11	-S4	10.1		1754				
12	B1-BQ	9.9		319				
13	WC04	10.0		595				120
14	WC05	10.0		1527				
15	WC06	9.9		1918				2080
16	B2-BQ			2312				5520
17	B1-B4D	10.0	1332/1/24/08	2428				1570
18								
19								
20								

* meter later calibrated @ RC5, then RC7 @ 1400 hours with new calibration standards.

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area B1



Scale

1 square = 4 ft^2
no vertical exaggeration

Explanation

B1 Base Sample

S4 Sidewall Sample

L. Kahrs
2/7/08

Area B Soil Volume

1st Bench

$$25\,ft.(25\,ft.)(4\,ft.) = 2500\,ft^3\left(\frac{yd^3}{27\,ft^3}\right)$$

$$= 93\,yd^3$$

2nd Bench

$$14\,ft.(17\,ft.)(4\,ft.) = 952\,ft^3\left(\frac{yd^3}{27\,ft^3}\right)$$

$$= 35\,yd^3$$

$$Total_{B1} = 93\,yd^3 + 35\,yd^3$$

$$= 128\,yd^3\,(1.1\ \text{expansion factor})$$

$$= 141\,yd^3$$

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801299

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 31, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 24, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801299-01	Soil	OFFTA-WC04
0801299-02	Soil	OFFTA-B1-B4
0801299-03	Soil	OFFTA-B1-4D
0801299-04	Soil	OFFTA-B2-B0
0801299-05	Soil	OFFTA-WC05
0801299-06	Soil	OFFTA-WC06

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82517-SRM2 **Standard Reference Material is biased low.**
Silver

5035/8260B Volatile Organic Compounds / Methanol

BA82512-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-MS1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene

BA82512-MSD1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene, Tetrahydrofuran

8015M Diesel Range Organics

0801299-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC04
Date Sampled: 01/24/08 09:00
Percent Solids: 82
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**120**	mg/kg dry	46.9		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-B4
Date Sampled: 01/24/08 11:30
Percent Solids: 69
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**4470**	mg/kg dry	53.5		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*36 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-4D
Date Sampled: 01/24/08 11:30
Percent Solids: 72
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1570**	mg/kg dry	51.3		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B0
Date Sampled: 01/24/08 11:30
Percent Solids: 71
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**5520**	mg/kg dry	104		2	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.4	6010B	7	1	JP	01/25/08	1.81	100
Barium	**75.2**	mg/kg dry	3.4	6010B	5500	1	JP	01/25/08	1.81	100
Cadmium	**1.74**	mg/kg dry	0.69	6010B	39	1	JP	01/25/08	1.81	100
Chromium	**25.7**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.81	100
Lead	**978**	mg/kg dry	6.9	6010B	150	1	JP	01/25/08	1.81	100
Mercury	**0.190**	mg/kg dry	0.041	7471A	23	1	JP	01/29/08	0.61	40
Selenium	ND	mg/kg dry	6.9	6010B	390	1	KAB	01/26/08	1.81	100
Silver	ND	mg/kg dry	0.69	6010B	200	1	JP	01/25/08	1.81	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.108	0.0358	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0542	0.0141	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0542	0.0162	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0542	0.0173	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0542	0.0152	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0542	0.0130	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0119	96	1	01/25/08
1,2,4-Trimethylbenzene	*J*	**0.0379**	mg/kg dry	0.0542	0.0130		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.325	0.108	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0542	0.0119	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0119	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0542	0.0119	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0542	0.0152	1.9	1	01/25/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0130	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0141	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.42	2.71		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.108	0.0271		1	01/25/08
2-Butanone		ND	mg/kg dry	1.35	0.271	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.542	0.0758		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.542	0.0758	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.35	0.433	7800	1	01/25/08
Benzene		**0.0780**	mg/kg dry	0.0542	0.0162	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0542	0.0152	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0542	0.0173	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.108	0.0271	0.8	1	01/25/08
Carbon Disulfide		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Carbon Tetrachloride		ND	mg/kg dry	0.0542	0.0152	1.5	1	01/25/08
Chlorobenzene		ND	mg/kg dry	0.0542	0.0119	210	1	01/25/08
Chloroethane		ND	mg/kg dry	0.108	0.0358		1	01/25/08
Chloroform		ND	mg/kg dry	0.0542	0.0130	1.2	1	01/25/08
Chloromethane		ND	mg/kg dry	0.108	0.0173		1	01/25/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0162	630	1	01/25/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Dibromochloromethane		ND	mg/kg dry	0.0542	0.0108	7.6	1	01/25/08
Dibromomethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Diethyl Ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Di-isopropyl ether		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
Ethylbenzene	J	**0.0325**	mg/kg dry	0.0542	0.0130	71	1	01/25/08
Hexachlorobutadiene		ND	mg/kg dry	0.0542	0.0173	8.2	1	01/25/08
Isopropylbenzene		**0.0791**	mg/kg dry	0.0542	0.0119	27	1	01/25/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0542	0.0130	390	1	01/25/08
Methylene Chloride		ND	mg/kg dry	0.271	0.0217	45	1	01/25/08
Naphthalene		**0.525**	mg/kg dry	0.0542	0.0162	54	1	01/25/08
n-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
n-Propylbenzene		**0.0780**	mg/kg dry	0.0542	0.0141		1	01/25/08
sec-Butylbenzene		**0.102**	mg/kg dry	0.0542	0.0141		1	01/25/08
Styrene		ND	mg/kg dry	0.0542	0.0141	13	1	01/25/08
tert-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Tetrachloroethene		ND	mg/kg dry	0.0542	0.0173	12	1	01/25/08
Tetrahydrofuran		ND	mg/kg dry	0.542	0.141		1	01/25/08
Toluene		**0.142**	mg/kg dry	0.0542	0.0152	190	1	01/25/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0173	1100	1	01/25/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Trichloroethene		ND	mg/kg dry	0.0542	0.0130	13	1	01/25/08
Trichlorofluoromethane		ND	mg/kg dry	0.0542	0.0152		1	01/25/08
Vinyl Acetate		ND	mg/kg dry	0.271	0.0217		1	01/25/08
Vinyl Chloride		ND	mg/kg dry	0.0542	0.0130	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O		ND	mg/kg dry	0.0542	0.0108	110	1	01/25/08
Xylene P,M	J	**0.0758**	mg/kg dry	0.108	0.0271	110	1	01/25/08
Xylenes (Total)		ND	mg/kg dry	0.162		110	1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*105 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1440**	mg/kg dry	46.6		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*66 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0622	10	1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*135 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*124 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*52 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*63 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	**0.435**	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.941**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	**0.825**	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	**0.769**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	**0.583**	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	**0.928**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.232**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	**2.03**	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.529**	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	**1.55**	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**1.63**	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*54 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*49 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**3.6**	mg/kg dry	3.6	6010B	7	1	JP	01/25/08	1.8	100
Barium	**138**	mg/kg dry	3.6	6010B	5500	1	JP	01/25/08	1.8	100
Cadmium	**1.52**	mg/kg dry	0.72	6010B	39	1	JP	01/25/08	1.8	100
Chromium	**20.5**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.8	100
Lead	**1840**	mg/kg dry	71.3	6010B	150	10	JP	01/26/08	1.8	100
Mercury	**0.704**	mg/kg dry	0.040	7471A	23	1	JP	01/29/08	0.64	40
Selenium	ND	mg/kg dry	7.1	6010B	390	1	KAB	01/26/08	1.8	100
Silver	**0.96**	mg/kg dry	0.72	6010B	200	1	JP	01/25/08	1.8	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.0950	0.0313	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0475	0.0123	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0475	0.0142	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0475	0.0152	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0475	0.0133	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0475	0.0114	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0104	96	1	01/25/08
1,2,4-Trimethylbenzene		**0.163**	mg/kg dry	0.0475	0.0114		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.285	0.0950	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0475	0.0104	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0104	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0475	0.0104	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0475	0.0133	1.9	1	01/25/08
1,3,5-Trimethylbenzene	J	**0.0323**	mg/kg dry	0.0475	0.0123		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0114	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0475	0.0095		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0123	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	4.75	2.37		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.0950	0.0237		1	01/25/08
2-Butanone		ND	mg/kg dry	1.19	0.237	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.475	0.0665		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0475	0.0114		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.475	0.0665	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.19	0.380	7800	1	01/25/08
Benzene		**0.161**	mg/kg dry	0.0475	0.0142	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0475	0.0133	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0475	0.0152	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.0950	0.0237	0.8	1	01/25/08
Carbon Disulfide	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Carbon Tetrachloride	ND	mg/kg dry	0.0475	0.0133	1.5	1	01/25/08
Chlorobenzene	ND	mg/kg dry	0.0475	0.0104	210	1	01/25/08
Chloroethane	ND	mg/kg dry	0.0950	0.0313		1	01/25/08
Chloroform	ND	mg/kg dry	0.0475	0.0114	1.2	1	01/25/08
Chloromethane	ND	mg/kg dry	0.0950	0.0152		1	01/25/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0142	630	1	01/25/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Dibromochloromethane	ND	mg/kg dry	0.0475	0.0095	7.6	1	01/25/08
Dibromomethane	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Diethyl Ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Di-isopropyl ether	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0475	0.0095		1	01/25/08
Ethylbenzene	**0.102**	mg/kg dry	0.0475	0.0114	71	1	01/25/08
Hexachlorobutadiene	ND	mg/kg dry	0.0475	0.0152	8.2	1	01/25/08
Isopropylbenzene	**0.0845**	mg/kg dry	0.0475	0.0104	27	1	01/25/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0475	0.0114	390	1	01/25/08
Methylene Chloride	ND	mg/kg dry	0.237	0.0190	45	1	01/25/08
Naphthalene	**2.54**	mg/kg dry	0.0475	0.0142	54	1	01/25/08
n-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
n-Propylbenzene	**0.104**	mg/kg dry	0.0475	0.0123		1	01/25/08
sec-Butylbenzene	**0.116**	mg/kg dry	0.0475	0.0123		1	01/25/08
Styrene	ND	mg/kg dry	0.0475	0.0123	13	1	01/25/08
tert-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Tetrachloroethene	ND	mg/kg dry	0.0475	0.0152	12	1	01/25/08
Tetrahydrofuran	ND	mg/kg dry	0.475	0.123		1	01/25/08
Toluene	**0.0988**	mg/kg dry	0.0475	0.0133	190	1	01/25/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0152	1100	1	01/25/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Trichloroethene	ND	mg/kg dry	0.0475	0.0114	13	1	01/25/08
Trichlorofluoromethane	ND	mg/kg dry	0.0475	0.0133		1	01/25/08
Vinyl Acetate	ND	mg/kg dry	0.237	0.0190		1	01/25/08
Vinyl Chloride	ND	mg/kg dry	0.0475	0.0114	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	J	**0.0313**	mg/kg dry	0.0475	0.0095	110	1	01/25/08
Xylene P,M		**0.155**	mg/kg dry	0.0950	0.0237	110	1	01/25/08
Xylenes (Total)		**0.186**	mg/kg dry	0.142		110	1	01/25/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*108 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2080**	mg/kg dry	47.8		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*51 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.5
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0625	10	1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*137 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*96 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*57 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*66 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.430	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.430	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.430	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.430	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.430	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.16		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.430	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.430	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.430	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.430	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.16	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.430	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.430		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.430		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.430	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.430	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.430		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.861	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.861		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.16		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.430		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.861	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.430		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.16		1	01/30/08
Acenaphthene	**0.504**	mg/kg dry	0.430	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.430	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.861		1	01/30/08
Aniline	ND	mg/kg dry	2.16		1	01/30/08
Anthracene	**0.740**	mg/kg dry	0.430	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.430		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.53**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(a)pyrene	**1.30**	mg/kg dry	0.216	0.4	1	01/30/08
Benzo(b)fluoranthene	**1.23**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.430	0.8	1	01/30/08
Benzo(k)fluoranthene	**0.843**	mg/kg dry	0.430	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.16		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.430	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.430	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.430	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Carbazole	ND	mg/kg dry	0.430		1	01/30/08
Chrysene	**1.48**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.283**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzofuran	**0.435**	mg/kg dry	0.430		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.430	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.430	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Fluoranthene	**3.19**	mg/kg dry	0.430	20	1	01/30/08
Fluorene	**0.552**	mg/kg dry	0.430	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.216	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.430	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.16		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.430	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.522**	mg/kg dry	0.430	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.430		1	01/30/08
Naphthalene	**0.545**	mg/kg dry	0.430	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.430		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.430		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.430		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.430		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.16	5.3	1	01/30/08
Phenanthrene	**2.68**	mg/kg dry	0.430	40	1	01/30/08
Phenol	ND	mg/kg dry	0.430	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**2.59**	mg/kg dry	0.430	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.16		1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*59 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				3050B/6000/7000 Total Metals						
Batch BA82517 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	30.4	3.3	mg/kg wet	33.33		91	80-120			
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120			
Cadmium	15.1	0.67	mg/kg wet	16.67		91	80-120			
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120			
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120			
Selenium	61.2	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		96	80-120			
LCS Dup										
Arsenic	31.0	3.3	mg/kg wet	33.33		93	80-120	2	20	
Barium	32.4	3.3	mg/kg wet	33.33		97	80-120	1	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	0.8	20	
Chromium	32.9	1.3	mg/kg wet	33.33		99	80-120	1	20	
Lead	33.0	6.7	mg/kg wet	33.33		99	80-120	0.5	20	
Selenium	62.3	6.7	mg/kg wet	66.67		93	80-120	2	20	
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120	0.8	20	
Reference										
Arsenic	80.2	5.0	mg/kg wet	88.80		90	80.86-119.37			
Barium	401	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	57.2	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	91.0	2.0	mg/kg wet	97.90		93	78.86-120.53			
Lead	87.4	10.0	mg/kg wet	88.90		98	81.78-118.11			
Selenium	160	10.0	mg/kg wet	155.0		103	77.42-122.58			
Silver	80.6	1.00	mg/kg wet	81.60		99	66.3-133.58			
Reference										
Barium	446	4.9	mg/kg wet	500.0		89	70-130			
Cadmium	424	1.00	mg/kg wet	500.0		85	70-130			
Chromium	465	2.0	mg/kg wet	500.0		93	70-130			
Lead	492	9.9	mg/kg wet	500.0		98	70-130			
Silver	339	1.00	mg/kg wet	500.0		68	70-130			R-
Batch BA82518 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.208	0.033	mg/kg wet	0.2000		104	80-120			
LCS Dup										

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82518 - 7471A										
Mercury	0.210	0.033	mg/kg wet	0.2000		105	80-120	0.7	20	
Reference										
Mercury	4.27	0.330	mg/kg wet	4.470		95	66-132.66			
Reference										
Mercury	0.964	0.160	mg/kg wet	1.000		96	70-130			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00		97	70-130			
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	24.6		ug/L	25.00		98	70-130			
1,1,2-Trichloroethane	24.6		ug/L	25.00		99	70-130			
1,1-Dichloroethane	25.4		ug/L	25.00		101	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethene	29.8		ug/L	25.00		119	70-130			
1,1-Dichloropropene	25.4		ug/L	25.00		102	70-130			
1,2,3-Trichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,2,3-Trichloropropane	25.4		ug/L	25.00		102	70-130			
1,2,4-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,4-Trimethylbenzene	25.9		ug/L	25.00		104	70-130			
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00		100	70-130			
1,2-Dibromoethane	24.6		ug/L	25.00		99	70-130			
1,2-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2-Dichloroethane	24.8		ug/L	25.00		99	70-130			
1,2-Dichloropropane	25.6		ug/L	25.00		103	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,3-Dichloropropane	24.8		ug/L	25.00		99	70-130			
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	889		ug/L	500.0		178	44-241			
1-Chlorohexane	25.2		ug/L	25.00		101	70-130			
2,2-Dichloropropane	23.4		ug/L	25.00		94	70-130			
2-Butanone	168		ug/L	125.0		134	70-130			B+
2-Chlorotoluene	24.1		ug/L	25.00		96	70-130			
2-Hexanone	146		ug/L	125.0		116	70-130			
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130			
4-Isopropyltoluene	24.5		ug/L	25.00		98	70-130			
4-Methyl-2-Pentanone	136		ug/L	125.0		109	70-130			
Acetone	200		ug/L	125.0		160	70-130			B+
Benzene	25.0		ug/L	25.00		100	70-130			
Bromobenzene	24.6		ug/L	25.00		98	70-130			
Bromochloromethane	24.1		ug/L	25.00		96	70-130			
Bromodichloromethane	26.9		ug/L	25.00		108	70-130			
Bromoform	24.0		ug/L	25.00		96	70-130			
Bromomethane	25.9		ug/L	25.00		104	70-130			
Carbon Disulfide	28.0		ug/L	25.00		112	70-130			
Carbon Tetrachloride	25.1		ug/L	25.00		100	70-130			
Chlorobenzene	24.8		ug/L	25.00		99	70-130			
Chloroethane	25.5		ug/L	25.00		102	70-130			
Chloroform	25.0		ug/L	25.00		100	70-130			
Chloromethane	22.4		ug/L	25.00		89	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	25.00		110	70-130			
cis-1,3-Dichloropropene	24.9		ug/L	25.00		100	70-130			
Dibromochloromethane	25.4		ug/L	25.00		102	70-130			
Dibromomethane	24.4		ug/L	25.00		98	70-130			
Dichlorodifluoromethane	20.1		ug/L	25.00		80	70-130			
Diethyl Ether	27.1		ug/L	25.00		108	70-130			
Di-isopropyl ether	26.6		ug/L	25.00		106	70-130			
Ethyl tertiary-butyl ether	25.2		ug/L	25.00		101	70-130			
Ethylbenzene	24.6		ug/L	25.00		98	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Hexachlorobutadiene	25.7		ug/L	25.00		103	70-130			
Isopropylbenzene	22.8		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	25.6		ug/L	25.00		102	70-130			
Methylene Chloride	26.0		ug/L	25.00		104	70-130			
Naphthalene	23.1		ug/L	25.00		93	70-130			
n-Butylbenzene	27.2		ug/L	25.00		109	70-130			
n-Propylbenzene	26.3		ug/L	25.00		105	70-130			
sec-Butylbenzene	25.5		ug/L	25.00		102	70-130			
Styrene	25.2		ug/L	25.00		101	70-130			
tert-Butylbenzene	25.9		ug/L	25.00		104	70-130			
Tertiary-amyl methyl ether	25.7		ug/L	25.00		103	70-130			
Tetrachloroethene	23.2		ug/L	25.00		93	70-130			
Tetrahydrofuran	25.3		ug/L	25.00		101	70-130			
Toluene	25.1		ug/L	25.00		100	70-130			
trans-1,2-Dichloroethene	27.2		ug/L	25.00		109	70-130			
trans-1,3-Dichloropropene	22.8		ug/L	25.00		91	70-130			
Trichloroethene	25.2		ug/L	25.00		101	70-130			
Vinyl Acetate	24.8		ug/L	25.00		99	70-130			
Vinyl Chloride	30.5		ug/L	25.00		122	70-130			
Xylene O	25.1		ug/L	25.00		100	70-130			
Xylene P,M	49.9		ug/L	50.00		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.4		ug/L	25.00		97	70-130	0.7	20	
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130	0.3	20	
1,1,2,2-Tetrachloroethane	25.3		ug/L	25.00		101	70-130	3	20	
1,1,2-Trichloroethane	25.0		ug/L	25.00		100	70-130	1	20	
1,1-Dichloroethane	25.2		ug/L	25.00		101	70-130	0.6	20	
1,1-Dichloroethene	29.4		ug/L	25.00		118	70-130	1	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	0.7	20	
1,2,3-Trichlorobenzene	24.8		ug/L	25.00		99	70-130	4	20	
1,2,3-Trichloropropane	26.0		ug/L	25.00		104	70-130	2	20	
1,2,4-Trichlorobenzene	25.2		ug/L	25.00		101	70-130	2	20	
1,2,4-Trimethylbenzene	26.1		ug/L	25.00		104	70-130	0.6	20	
1,2-Dibromo-3-Chloropropane	25.5		ug/L	25.00		102	70-130	2	20	
1,2-Dibromoethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	1	20	
1,2-Dichloroethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130	0.2	20	
1,3-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	0.6	20	
1,3-Dichloropropane	25.3		ug/L	25.00		101	70-130	2	20	
1,4-Dichlorobenzene	24.4		ug/L	25.00		98	70-130	0.7	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,4-Dioxane - Screen	1060		ug/L	500.0		212	44-241	17	200	
1-Chlorohexane	25.1		ug/L	25.00		100	70-130	0.5	20	
2,2-Dichloropropane	23.5		ug/L	25.00		94	70-130	0.4	20	
2-Butanone	171		ug/L	125.0		137	70-130	2	20	B+
2-Chlorotoluene	23.6		ug/L	25.00		94	70-130	2	20	
2-Hexanone	152		ug/L	125.0		122	70-130	4	20	
4-Chlorotoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Isopropyltoluene	24.3		ug/L	25.00		97	70-130	0.5	20	
4-Methyl-2-Pentanone	141		ug/L	125.0		113	70-130	3	20	
Acetone	199		ug/L	125.0		159	70-130	0.4	20	B+
Benzene	24.8		ug/L	25.00		99	70-130	1	20	
Bromobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
Bromochloromethane	24.1		ug/L	25.00		96	70-130	0.08	20	
Bromodichloromethane	27.5		ug/L	25.00		110	70-130	2	20	
Bromoform	24.8		ug/L	25.00		99	70-130	3	20	
Bromomethane	27.5		ug/L	25.00		110	70-130	6	20	
Carbon Disulfide	27.7		ug/L	25.00		111	70-130	0.9	20	
Carbon Tetrachloride	25.1		ug/L	25.00		101	70-130	0.2	20	
Chlorobenzene	24.6		ug/L	25.00		98	70-130	0.6	20	
Chloroethane	24.4		ug/L	25.00		98	70-130	4	20	
Chloroform	25.1		ug/L	25.00		100	70-130	0.1	20	
Chloromethane	22.4		ug/L	25.00		89	70-130	0.04	20	
cis-1,2-Dichloroethene	27.5		ug/L	25.00		110	70-130	0.1	20	
cis-1,3-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
Dibromochloromethane	25.9		ug/L	25.00		104	70-130	2	20	
Dibromomethane	24.9		ug/L	25.00		100	70-130	2	20	
Dichlorodifluoromethane	20.3		ug/L	25.00		81	70-130	1	20	
Diethyl Ether	27.9		ug/L	25.00		111	70-130	3	20	
Di-isopropyl ether	26.7		ug/L	25.00		107	70-130	0.5	20	
Ethyl tertiary-butyl ether	25.6		ug/L	25.00		102	70-130	2	20	
Ethylbenzene	24.4		ug/L	25.00		98	70-130	0.8	20	
Hexachlorobutadiene	25.8		ug/L	25.00		103	70-130	0.5	20	
Isopropylbenzene	22.5		ug/L	25.00		90	70-130	1	20	
Methyl tert-Butyl Ether	26.3		ug/L	25.00		105	70-130	3	20	
Methylene Chloride	26.3		ug/L	25.00		105	70-130	1	20	
Naphthalene	24.4		ug/L	25.00		98	70-130	6	20	
n-Butylbenzene	27.0		ug/L	25.00		108	70-130	0.9	20	
n-Propylbenzene	26.7		ug/L	25.00		107	70-130	1	20	
sec-Butylbenzene	25.4		ug/L	25.00		101	70-130	0.6	20	
Styrene	25.4		ug/L	25.00		102	70-130	0.8	20	
tert-Butylbenzene	25.5		ug/L	25.00		102	70-130	2	20	
Tertiary-amyl methyl ether	26.3		ug/L	25.00		105	70-130	2	20	
Tetrachloroethene	23.9		ug/L	25.00		96	70-130	3	20	
Tetrahydrofuran	27.9		ug/L	25.00		112	70-130	10	20	
Toluene	25.0		ug/L	25.00		100	70-130	0.4	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	0.5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
trans-1,3-Dichloropropene	23.2		ug/L	25.00		93	70-130	2	20	
Trichloroethene	25.0		ug/L	25.00		100	70-130	0.6	20	
Vinyl Acetate	25.0		ug/L	25.00		100	70-130	0.5	20	
Vinyl Chloride	30.4		ug/L	25.00		122	70-130	0.1	20	
Xylene O	24.9		ug/L	25.00		99	70-130	0.9	20	
Xylene P,M	49.4		ug/L	50.00		99	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.39*		mg/kg wet	*2.500*		*96*	*70-130*			
Matrix Spike Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1,1-Trichloroethane	26.4		ug/L	24.89	ND	106	70-130			
1,1,2,2-Tetrachloroethane	27.5		ug/L	24.89	ND	111	70-130			
1,1,2-Trichloroethane	26.9		ug/L	24.89	ND	108	70-130			
1,1-Dichloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1-Dichloroethene	28.0		ug/L	24.89	ND	113	70-130			
1,1-Dichloropropene	26.1		ug/L	24.89	ND	105	70-130			
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130			
1,2,3-Trichloropropane	28.7		ug/L	24.89	ND	115	70-130			
1,2,4-Trichlorobenzene	27.5		ug/L	24.89	ND	111	70-130			
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130			
1,2-Dibromo-3-Chloropropane	32.0		ug/L	24.89	ND	128	70-130			
1,2-Dibromoethane	27.6		ug/L	24.89	ND	111	70-130			
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	104	70-130			
1,2-Dichloroethane	26.8		ug/L	24.89	ND	108	70-130			
1,2-Dichloropropane	26.5		ug/L	24.89	ND	106	70-130			
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130			
1,3-Dichlorobenzene	25.2		ug/L	24.89	ND	101	70-130			
1,3-Dichloropropane	27.4		ug/L	24.89	ND	110	70-130			
1,4-Dichlorobenzene	25.0		ug/L	24.89	ND	101	70-130			
1,4-Dioxane - Screen	635		ug/L	497.9	ND	128	44-241			
1-Chlorohexane	25.4		ug/L	24.89	ND	102	70-130			
2,2-Dichloropropane	23.3		ug/L	24.89	ND	94	70-130			
2-Butanone	189		ug/L	124.5	ND	152	70-130			M+
2-Chlorotoluene	26.2		ug/L	24.89	ND	105	70-130			
2-Hexanone	210		ug/L	124.5	ND	169	70-130			M+
4-Chlorotoluene	25.6		ug/L	24.89	ND	103	70-130			
4-Isopropyltoluene	26.4		ug/L	24.89	ND	106	70-130			
4-Methyl-2-Pentanone	228		ug/L	124.5	ND	183	70-130			M+
Acetone	187		ug/L	124.5	ND	150	70-130			M+
Benzene	27.2		ug/L	24.89	2.41	100	70-130			
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130			
Bromochloromethane	27.1		ug/L	24.89	ND	109	70-130			
Bromodichloromethane	28.6		ug/L	24.89	ND	115	70-130			
Bromoform	27.2		ug/L	24.89	ND	109	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Bromomethane	25.4		ug/L	24.89	ND	102	70-130			
Carbon Disulfide	26.3		ug/L	24.89	0.127	105	70-130			
Carbon Tetrachloride	26.6		ug/L	24.89	ND	107	70-130			
Chlorobenzene	26.0		ug/L	24.89	ND	104	70-130			
Chloroethane	25.6		ug/L	24.89	ND	103	70-130			
Chloroform	26.3		ug/L	24.89	ND	106	70-130			
Chloromethane	22.2		ug/L	24.89	ND	89	70-130			
cis-1,2-Dichloroethene	28.8		ug/L	24.89	ND	115	70-130			
cis-1,3-Dichloropropene	26.6		ug/L	24.89	ND	107	70-130			
Dibromochloromethane	27.6		ug/L	24.89	ND	111	70-130			
Dibromomethane	27.8		ug/L	24.89	ND	112	70-130			
Dichlorodifluoromethane	22.0		ug/L	24.89	ND	89	70-130			
Diethyl Ether	29.6		ug/L	24.89	ND	119	70-130			
Di-isopropyl ether	27.2		ug/L	24.89	ND	109	70-130			
Ethyl tertiary-butyl ether	27.3		ug/L	24.89	ND	110	70-130			
Ethylbenzene	26.8		ug/L	24.89	1.52	102	70-130			
Hexachlorobutadiene	36.8		ug/L	24.89	ND	148	70-130			M+
Isopropylbenzene	23.7		ug/L	24.89	1.26	90	70-130			
Methyl tert-Butyl Ether	28.5		ug/L	24.89	ND	115	70-130			
Methylene Chloride	27.5		ug/L	24.89	ND	111	70-130			
Naphthalene	57.8		ug/L	24.89	37.9	80	70-130			
n-Butylbenzene	32.7		ug/L	24.89	ND	132	70-130			M+
n-Propylbenzene	27.3		ug/L	24.89	1.54	104	70-130			
sec-Butylbenzene	27.7		ug/L	24.89	1.73	104	70-130			
Styrene	26.3		ug/L	24.89	ND	106	70-130			
tert-Butylbenzene	23.8		ug/L	24.89	ND	96	70-130			
Tertiary-amyl methyl ether	28.3		ug/L	24.89	ND	114	70-130			
Tetrachloroethene	34.2		ug/L	24.89	ND	137	70-130			M+
Tetrahydrofuran	32.5		ug/L	24.89	ND	130	70-130			
Toluene	27.4		ug/L	24.89	1.47	104	70-130			
trans-1,2-Dichloroethene	28.6		ug/L	24.89	ND	115	70-130			
trans-1,3-Dichloropropene	24.8		ug/L	24.89	ND	99	70-130			
Trichloroethene	27.0		ug/L	24.89	ND	108	70-130			
Vinyl Acetate	23.6		ug/L	24.89	ND	95	70-130			
Vinyl Chloride	32.0		ug/L	24.89	ND	128	70-130			
Xylene O	26.0		ug/L	24.89	0.467	103	70-130			
Xylene P,M	52.7		ug/L	49.79	2.31	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.82*		mg/kg dry	*1.669*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*1.96*		mg/kg dry	*1.669*		*117*	*70-130*			
Surrogate: Toluene-d8	*1.83*		mg/kg dry	*1.669*		*110*	*70-130*			
Matrix Spike Dup Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.6		ug/L	24.89	ND	103	70-130	1	20	
1,1,1-Trichloroethane	26.1		ug/L	24.89	ND	105	70-130	1	20	
1,1,2,2-Tetrachloroethane	27.0		ug/L	24.89	ND	108	70-130	2	20	
1,1,2-Trichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethane	25.4		ug/L	24.89	ND	102	70-130	2	20	
1,1-Dichloroethene	27.3		ug/L	24.89	ND	110	70-130	3	20	
1,1-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	0.7	20	
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130	0.1	20	
1,2,3-Trichloropropane	27.8		ug/L	24.89	ND	112	70-130	3	20	
1,2,4-Trichlorobenzene	27.2		ug/L	24.89	ND	109	70-130	1	20	
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130	0.2	20	
1,2-Dibromo-3-Chloropropane	29.3		ug/L	24.89	ND	118	70-130	9	20	
1,2-Dibromoethane	26.4		ug/L	24.89	ND	106	70-130	4	20	
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	103	70-130	0.1	20	
1,2-Dichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	
1,2-Dichloropropane	26.3		ug/L	24.89	ND	106	70-130	0.6	20	
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130	0.1	20	
1,3-Dichlorobenzene	25.3		ug/L	24.89	ND	102	70-130	0.5	20	
1,3-Dichloropropane	26.7		ug/L	24.89	ND	107	70-130	3	20	
1,4-Dichlorobenzene	25.1		ug/L	24.89	ND	101	70-130	0.2	20	
1,4-Dioxane - Screen	1060		ug/L	497.9	ND	212	44-241	50	200	
1-Chlorohexane	25.2		ug/L	24.89	ND	101	70-130	0.6	20	
2,2-Dichloropropane	22.7		ug/L	24.89	ND	91	70-130	3	20	
2-Butanone	178		ug/L	124.5	ND	143	70-130	6	20	M+
2-Chlorotoluene	26.6		ug/L	24.89	ND	107	70-130	2	20	
2-Hexanone	202		ug/L	124.5	ND	162	70-130	4	20	M+
4-Chlorotoluene	25.8		ug/L	24.89	ND	103	70-130	0.5	20	
4-Isopropyltoluene	26.3		ug/L	24.89	ND	106	70-130	0.3	20	
4-Methyl-2-Pentanone	219		ug/L	124.5	ND	176	70-130	4	20	M+
Acetone	205		ug/L	124.5	ND	165	70-130	9	20	M+
Benzene	26.8		ug/L	24.89	2.41	98	70-130	1	20	
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130	0.2	20	
Bromochloromethane	25.8		ug/L	24.89	ND	104	70-130	5	20	
Bromodichloromethane	28.2		ug/L	24.89	ND	113	70-130	2	20	
Bromoform	26.3		ug/L	24.89	ND	106	70-130	3	20	
Bromomethane	26.8		ug/L	24.89	ND	108	70-130	6	20	
Carbon Disulfide	28.5		ug/L	24.89	0.127	114	70-130	8	20	
Carbon Tetrachloride	26.2		ug/L	24.89	ND	105	70-130	2	20	
Chlorobenzene	25.8		ug/L	24.89	ND	104	70-130	0.6	20	
Chloroethane	25.5		ug/L	24.89	ND	102	70-130	0.7	20	
Chloroform	25.7		ug/L	24.89	ND	103	70-130	2	20	
Chloromethane	22.5		ug/L	24.89	ND	90	70-130	1	20	
cis-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	2	20	
cis-1,3-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	3	20	
Dibromochloromethane	27.3		ug/L	24.89	ND	110	70-130	1	20	
Dibromomethane	26.7		ug/L	24.89	ND	107	70-130	4	20	
Dichlorodifluoromethane	21.4		ug/L	24.89	ND	86	70-130	3	20	
Diethyl Ether	27.8		ug/L	24.89	ND	112	70-130	6	20	
Di-isopropyl ether	26.8		ug/L	24.89	ND	108	70-130	2	20	
Ethyl tertiary-butyl ether	26.6		ug/L	24.89	ND	107	70-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Ethylbenzene	26.6		ug/L	24.89	1.52	101	70-130	0.9	20	
Hexachlorobutadiene	38.8		ug/L	24.89	ND	156	70-130	5	20	M+
Isopropylbenzene	23.8		ug/L	24.89	1.26	90	70-130	0.08	20	
Methyl tert-Butyl Ether	27.6		ug/L	24.89	ND	111	70-130	3	20	
Methylene Chloride	27.1		ug/L	24.89	ND	109	70-130	2	20	
Naphthalene	56.5		ug/L	24.89	37.9	74	70-130	2	20	
n-Butylbenzene	32.9		ug/L	24.89	ND	132	70-130	0.6	20	M+
n-Propylbenzene	27.1		ug/L	24.89	1.54	102	70-130	1	20	
sec-Butylbenzene	27.8		ug/L	24.89	1.73	105	70-130	0.1	20	
Styrene	25.9		ug/L	24.89	ND	104	70-130	2	20	
tert-Butylbenzene	23.5		ug/L	24.89	ND	94	70-130	1	20	
Tertiary-amyl methyl ether	27.2		ug/L	24.89	ND	109	70-130	4	20	
Tetrachloroethene	34.4		ug/L	24.89	ND	138	70-130	0.8	20	M+
Tetrahydrofuran	33.7		ug/L	24.89	ND	135	70-130	4	20	M+
Toluene	27.1		ug/L	24.89	1.47	103	70-130	1	20	
trans-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	1	20	
trans-1,3-Dichloropropene	24.1		ug/L	24.89	ND	97	70-130	3	20	
Trichloroethene	26.6		ug/L	24.89	ND	107	70-130	1	20	
Vinyl Acetate	22.9		ug/L	24.89	ND	92	70-130	3	20	
Vinyl Chloride	30.9		ug/L	24.89	ND	124	70-130	3	20	
Xylene O	26.1		ug/L	24.89	0.467	103	70-130	0.2	20	
Xylene P,M	52.2		ug/L	49.79	2.31	100	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*1.85*		mg/kg dry	*1.669*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.78*		mg/kg dry	*1.669*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: Toluene-d8	*1.81*		mg/kg dry	*1.669*		*108*	*70-130*			
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.84*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS										

ESS Laboratory

Division of Thielsch Engineering, Inc.

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Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Decane (C10)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Docosane (C22)	2.57	0.26	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.53	0.26	mg/kg wet	2.500		101	40-140			
Hexacosane (C26)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Nonadecane (C19)	2.19	0.26	mg/kg wet	2.500		88	40-140			
Octacosane (C28)	2.72	0.26	mg/kg wet	2.500		109	40-140			
Octadecane (C18)	2.48	0.26	mg/kg wet	2.500		99	40-140			
Tetracosane (C24)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Tetradecane (C14)	2.36	0.26	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	2.00	0.26	mg/kg wet	2.500		80	40-140	9	50	
Docosane (C22)	2.59	0.26	mg/kg wet	2.500		103	40-140	0.6	50	
Dodecane (C12)	2.11	0.26	mg/kg wet	2.500		84	40-140	7	50	
Eicosane (C20)	2.52	0.26	mg/kg wet	2.500		101	40-140	0.5	50	
Hexacosane (C26)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Hexadecane (C16)	2.34	0.26	mg/kg wet	2.500		94	40-140	4	50	
Nonadecane (C19)	2.15	0.26	mg/kg wet	2.500		86	40-140	2	50	
Octacosane (C28)	2.75	0.26	mg/kg wet	2.500		110	40-140	1	50	
Octadecane (C18)	2.43	0.26	mg/kg wet	2.500		97	40-140	2	50	
Tetracosane (C24)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Tetradecane (C14)	2.25	0.26	mg/kg wet	2.500		90	40-140	5	50	
Surrogate: O-Terphenyl	*3.67*		mg/kg wet	*5.000*		*73*	*40-140*			
Matrix Spike **Source: 0801299-01**										
Decane (C10)	2.47	0.33	mg/kg dry	3.192	ND	77	40-140			
Docosane (C22)	3.44	0.33	mg/kg dry	3.192	ND	108	40-140			
Dodecane (C12)	2.56	0.33	mg/kg dry	3.192	ND	80	40-140			
Eicosane (C20)	3.49	0.33	mg/kg dry	3.192	ND	109	40-140			
Hexacosane (C26)	3.65	0.33	mg/kg dry	3.192	ND	114	40-140			
Hexadecane (C16)	3.31	0.33	mg/kg dry	3.192	ND	104	40-140			
Nonadecane (C19)	3.10	0.33	mg/kg dry	3.192	0.275	89	40-140			
Octacosane (C28)	3.91	0.33	mg/kg dry	3.192	0.548	105	40-140			
Octadecane (C18)	3.36	0.33	mg/kg dry	3.192	ND	105	40-140			
Tetracosane (C24)	3.73	0.33	mg/kg dry	3.192	0.274	108	40-140			
Tetradecane (C14)	2.96	0.33	mg/kg dry	3.192	ND	93	40-140			
Surrogate: O-Terphenyl	*5.27*		mg/kg dry	*6.385*		*82*	*40-140*			
Matrix Spike Dup **Source: 0801299-01**										
Decane (C10)	2.31	0.32	mg/kg dry	3.127	ND	74	40-140	7	50	
Docosane (C22)	3.08	0.32	mg/kg dry	3.127	ND	98	40-140	11	50	
Dodecane (C12)	2.39	0.32	mg/kg dry	3.127	ND	76	40-140	7	50	
Eicosane (C20)	3.15	0.32	mg/kg dry	3.127	ND	101	40-140	10	50	

ESS Laboratory

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Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Hexacosane (C26)	3.48	0.32	mg/kg dry	3.127	ND	111	40-140	5	50	
Hexadecane (C16)	2.87	0.32	mg/kg dry	3.127	ND	92	40-140	14	50	
Nonadecane (C19)	2.83	0.32	mg/kg dry	3.127	0.275	82	40-140	9	50	
Octacosane (C28)	3.68	0.32	mg/kg dry	3.127	0.548	100	40-140	6	50	
Octadecane (C18)	3.01	0.32	mg/kg dry	3.127	ND	96	40-140	11	50	
Tetracosane (C24)	3.43	0.32	mg/kg dry	3.127	0.274	101	40-140	9	50	
Tetradecane (C14)	2.59	0.32	mg/kg dry	3.127	ND	83	40-140	13	50	
Surrogate: O-Terphenyl	*4.95*		mg/kg dry	*6.254*		*79*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0248*		mg/kg wet	*0.02500*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0263*		mg/kg wet	*0.02500*		*105*	*30-150*			
LCS										
Aroclor 1016	0.486	0.0500	mg/kg wet	0.5000		97	40-140			
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0271*		mg/kg wet	*0.02500*		*109*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0229*		mg/kg wet	*0.02500*		*92*	*30-150*			
LCS Dup										
Aroclor 1016	0.531	0.0500	mg/kg wet	0.5000		106	40-140	9	50	
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140	0.08	50	
Surrogate: Decachlorobiphenyl	*0.0223*		mg/kg wet	*0.02500*		*89*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0179*		mg/kg wet	*0.02500*		*72*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0280*		mg/kg wet	*0.02500*		*112*	*30-150*			
Matrix Spike **Source: 0801299-06**										
Aroclor 1016	0.631	0.0635	mg/kg dry	0.6347	ND	99	40-140			
Aroclor 1260	0.574	0.0635	mg/kg dry	0.6347	ND	90	40-140			

ESS Laboratory

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Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Surrogate: Decachlorobiphenyl	*0.0368*		mg/kg dry	*0.03173*		*116*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0248*		mg/kg dry	*0.03173*		*78*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0192*		mg/kg dry	*0.03173*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0232*		mg/kg dry	*0.03173*		*73*	*30-150*			
Matrix Spike Dup Source: 0801299-06										
Aroclor 1016	0.491	0.0628	mg/kg dry	0.6285	ND	78	40-140	25	50	
Aroclor 1260	0.525	0.0628	mg/kg dry	0.6285	ND	84	40-140	9	50	
Surrogate: Decachlorobiphenyl	*0.0270*		mg/kg dry	*0.03142*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0284*		mg/kg dry	*0.03142*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0216*		mg/kg dry	*0.03142*		*69*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0218*		mg/kg dry	*0.03142*		*69*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3'-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3'-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
R-	Standard Reference Material is biased low.
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
J	Reported between MDL and MRL; Estimated value.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801299

Electronic Deliverable X Yes ___ No
Format: Excel___ Access___ PDF X Other_____

Co. Name: TK&K Services
Project #:
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@[illegible]

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 VOA	VPH w/ranges / 8015 GRO / 8021 MTBE/BTEX	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8082 PCB / 8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)					
1	~~1/24/08~~ ~~0900~~	0900	X		S	OFFTA-WC04	1	1	G			✓											
2		1130	X		S	OFFTA-B1-B4	↓	↓	↓			↓											
3					S	B1-4D																	
4					S	B2-BØ																	
5	1/24/08	0900	X		S	OFFTA-WC05	1/6	5	G	✓		✓		✓	✓	✓							
6	↓	↓	X		S	OFFTA-WC06	1/6	5	G	✓		✓		✓	✓	✓							
				STD																			
				1-24-08																			

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA✓
Cooler Temp: 5.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: L. Kahrs

Comments: Probable high levels TPH in sample OFFTA-B2-BØ

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/24/08 1550	Ralph Banks	1/24/08 1530	Ralph Banks	1/24/08 16:35	J. Davis	1-24-08 1635
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **B2**

SIZE (linear feet)
Length 30 **Width 40** **Depth 10**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 1/24/08 to expose Area B2 and 8-inch VCP running north/south through area. Top 18 inches of material removed and segregated clean (later sampled as WC-11). Center section of pipe removed and grouted leaving excavation. One section of pipe along shoreline also removed and grouted. Light-colored sediment observed in pipe.

One sample of contaminated material collected during removal and designated OFFTA-B2-B0. Area B2 sampled on 1/25/08. Per discussion with RIDEM representative Paul Kulpa, sediment samples from pipe B2 outfall collected and designated OFFTA-B2-OF01, OF02 and OF03.

Contaminated material segregated and comprised WC-06 and WC-07.

Initial screening in Area B2 indicated northwest corner (OFFTA-B2-B1), southeast corner (OFFTA-B2-B4), and southeast sidewall (OFFTA-B2-S4). Northwest corner extended one foot in depth and resampled (OFFTA-B2-B1A). Southeast corner extended 10 additional feet laterally and two feet in depth and resampled in two iterations (OFFTA-B2-B4A/ S4A and OFFTA-B2-B4B/S4B).

Area B2 backfilled on 1/31/08 and 2/1/08.

EXCEPTIONS TO WORK PLAN (IF ANY)

Piping not initially removed from excavation since no contaminated material was observed in pipe and there was no need to disturb emabankment along shoreline.

All VCP piping was subsequently removed from excavation prior to backfilling, per verbal direction from TtNUS - Steve Parker.

AREA DESIGNATION **B2**

SAMPLING SUMMARY

Soil Samples

Location
B – Base (see diagram)
S – Sidewall sample (see diagram)
OF – Outfall sample (see diagram)

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
B2	B-1	9	335	76.6						
B2	B-4	9	1920	2310						
B2	OF02	0.5	1950	3070						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **5**

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Sand and gravel, fill, brick, rubble and glass/ ceramic**

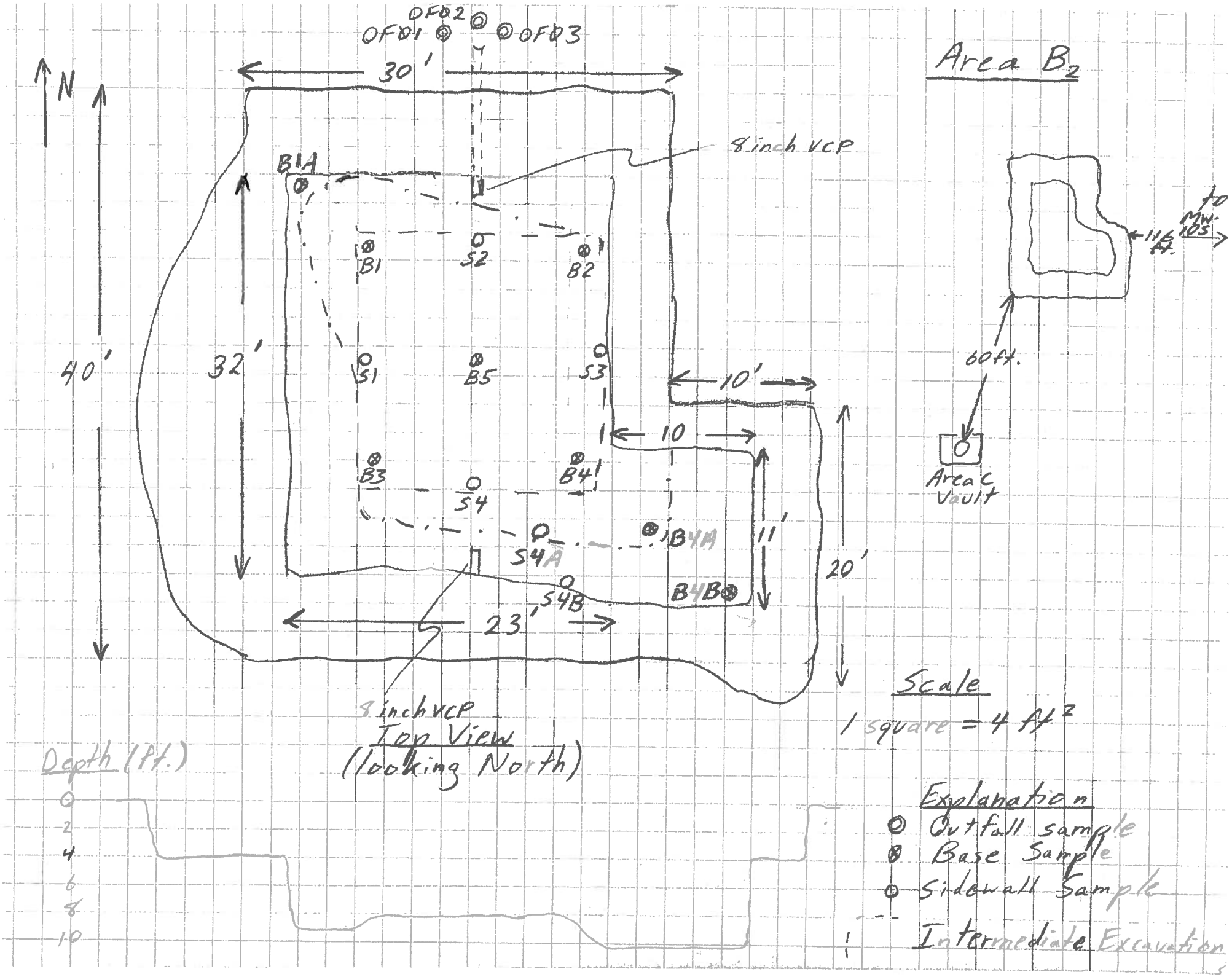
Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 439 CY (see attached calculation sheets)


OFD1
OFD2
OFD3
30'
N
40'
32'
8 inch VCP
B1A
B1
S2
B2
S1
B5
S3
10'
10
B3
B4
S4
S4A
B4A
S4B
B4B
11'
20'
23'
8 inch VCP
Top View
(looking North)
Area B2
116 ft.
to MW-10S
60 ft.
Area C Vault
Scale
1 square = 4 ft²
Depth (ft.)
0
2
4
6
8
10
Explanation
Outfall sample
Base Sample
Sidewall Sample
Intermediate Excavation

Area B_2 Soil Volume

1st Bench

$30\ ft.(40\ ft.)(4\ ft.) = 4800\ ft^3$

$10\ ft.(20\ ft.)(4\ ft.) = 800\ ft^3$

$6\ ft.(20\ ft.)(4\ ft.) = 480\ ft^3$

$6080\ ft^3 \left(\frac{yd^3}{27\ ft^3}\right)$

$= 225\ yd^3$ (1.1 expansion factor)

$= 248\ yd^3$

2nd Bench

$23\ ft.(32\ ft.)(5.5\ ft.) = 4048\ ft^3$

$10\ ft.(11\ ft.)(6\ ft.) = 660\ ft^3$

$= 4708\ ft^3 \left(\frac{yd^3}{27\ ft^3}\right)$

$= 174\ yd^3$ (1.1 expansion factor)

$= 191\ yd^3$

Total $B_2 = 248 + 191\ yd^3$

$= 439\ yd^3$

Area B1 ~~West~~ Area B2

~~299.9~~ g. 300.0

(17)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

-3

Date: 1/24/08

Operator: L. Kahrs

Location: Newport OFFTA

Calibration Time/Date: 1/24/08

Calibration Temperature: 14.6C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	B	~~10.0~~	1252/1/24/08	0				
2	S	~~10.1~~		error *				
3	B1-B1	~~9.9~~ 10.0		2028				
4	-B2	10.1		900				
5	-B3	9.9		2148				
6	-B4	10.0		2227				4470
7	-B5	10.1		2212				
8	-S1	10.0		400				
9	-S2	10.0		765				
10	-S3	10.0		438				
11	-S4	10.1		1754				
12	B1-BQ	9.9		319				
13	WC04	10.0		595				120
14	WC05	10.0		1527				
15	WC06	9.9		1918				2080
16	B2-BQ			2312				5520
17	B1-B4D	10.0	1332/1/24/08	2428				1570
18								
19								
20								

* meter later calibrated @ RC5, then RC7 @ 1400 hours with new calibration standards.

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area B2

16

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 1/25/08 Calibration Time/Date: _____

Operator: L. Kahrs Calibration Temperature: 16.9C / 18.2C

Location: Newport OEFTA TK5 KRc7 Pine Rc7 Rc5 23.0C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank		1248 1/25/08	Ø	Ø		Ø	Ø
2	Std.			1000	ERRØ		1000	1000
3	B2-B1	10.0		1771	2674		EEEE	E
4	-B2	10.0		335	470		260	401
5	-B3	10.1		1835	2414		EEEE	E
6	-B4	10.1		1920	2802		EEEE	E
7	-B5	10.0		1741	2240		E-	E
8	-S1	10.0		1040	980		1041	1471
9	-S2	10.0		1403	1733		2004	2681
10	-S2(D)	9.9		1105	881		979	1288
11	-S3	10.1		1620	1930		E-	2963
12	-S4	10.1		1861	2436		E-	E
13	WE07	9.9		1382	1630		1681	2474
14	B2-OF01	10.1		257	393		389	529
15	B2-OF02	9.9		1950	2678		E	E
16	B2-OF03	9.9		1690	2434		E	E
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area B2

(8)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 1/29/08

Operator: Ed Kuga

Location: Newport OFFTA

Calibration Time/Date: 1/29/08 1318/1540 -2

Calibration Temperature: 21.2° / 20.9°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	~~2g~~	1/29/08 1318	0	5	7	0	
2	Standard	~~2g~~	1/29/08	1000	5	7	1000	
3	B2-S4A	2g	1/29/08	EEEE	5	7	EEEE	out of range
4	B2-B1A	2g	1/29/08	628	5	7	3140	
5	B2-B4A	2g	1/29/08	EEEE	5	7	EEEE	out of range
6	WC-08	2g	1/29/08	EEEE	5	7	EEEE	out of range
7	B2-S4B	2.0g	1/29/08	1831	5	7	9155	over range condition (ORC)
8	B2-B4B	2.0g	1/29/08	1527	5	7	7635	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

1st run ↑

↓ 2nd run of day

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801299

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 31, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 24, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801299-01	Soil	OFFTA-WC04
0801299-02	Soil	OFFTA-B1-B4
0801299-03	Soil	OFFTA-B1-4D
0801299-04	Soil	OFFTA-B2-B0
0801299-05	Soil	OFFTA-WC05
0801299-06	Soil	OFFTA-WC06

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82517-SRM2 **Standard Reference Material is biased low.**
Silver

5035/8260B Volatile Organic Compounds / Methanol

BA82512-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-MS1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene

BA82512-MSD1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene, Tetrahydrofuran

8015M Diesel Range Organics

0801299-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC04
Date Sampled: 01/24/08 09:00
Percent Solids: 82
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**120**	mg/kg dry	46.9		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-B4
Date Sampled: 01/24/08 11:30
Percent Solids: 69
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**4470**	mg/kg dry	53.5		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*36 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-4D
Date Sampled: 01/24/08 11:30
Percent Solids: 72
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1570**	mg/kg dry	51.3		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B0
Date Sampled: 01/24/08 11:30
Percent Solids: 71
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**5520**	mg/kg dry	104		2	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Arsenic	ND	mg/kg dry	3.4	6010B	7	1	JP	01/25/08	1.81	100
Barium	**75.2**	mg/kg dry	3.4	6010B	5500	1	JP	01/25/08	1.81	100
Cadmium	**1.74**	mg/kg dry	0.69	6010B	39	1	JP	01/25/08	1.81	100
Chromium	**25.7**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.81	100
Lead	**978**	mg/kg dry	6.9	6010B	150	1	JP	01/25/08	1.81	100
Mercury	**0.190**	mg/kg dry	0.041	7471A	23	1	JP	01/29/08	0.61	40
Selenium	ND	mg/kg dry	6.9	6010B	390	1	KAB	01/26/08	1.81	100
Silver	ND	mg/kg dry	0.69	6010B	200	1	JP	01/25/08	1.81	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.108	0.0358	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0542	0.0141	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0542	0.0162	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0542	0.0173	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0542	0.0152	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0542	0.0130	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0119	96	1	01/25/08
1,2,4-Trimethylbenzene	*J*	**0.0379**	mg/kg dry	0.0542	0.0130		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.325	0.108	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0542	0.0119	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0119	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0542	0.0119	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0542	0.0152	1.9	1	01/25/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0130	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0141	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.42	2.71		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.108	0.0271		1	01/25/08
2-Butanone		ND	mg/kg dry	1.35	0.271	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.542	0.0758		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.542	0.0758	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.35	0.433	7800	1	01/25/08
Benzene		**0.0780**	mg/kg dry	0.0542	0.0162	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0542	0.0152	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0542	0.0173	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.108	0.0271	0.8	1	01/25/08
Carbon Disulfide		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Carbon Tetrachloride		ND	mg/kg dry	0.0542	0.0152	1.5	1	01/25/08
Chlorobenzene		ND	mg/kg dry	0.0542	0.0119	210	1	01/25/08
Chloroethane		ND	mg/kg dry	0.108	0.0358		1	01/25/08
Chloroform		ND	mg/kg dry	0.0542	0.0130	1.2	1	01/25/08
Chloromethane		ND	mg/kg dry	0.108	0.0173		1	01/25/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0162	630	1	01/25/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Dibromochloromethane		ND	mg/kg dry	0.0542	0.0108	7.6	1	01/25/08
Dibromomethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Diethyl Ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Di-isopropyl ether		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
Ethylbenzene	J	**0.0325**	mg/kg dry	0.0542	0.0130	71	1	01/25/08
Hexachlorobutadiene		ND	mg/kg dry	0.0542	0.0173	8.2	1	01/25/08
Isopropylbenzene		**0.0791**	mg/kg dry	0.0542	0.0119	27	1	01/25/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0542	0.0130	390	1	01/25/08
Methylene Chloride		ND	mg/kg dry	0.271	0.0217	45	1	01/25/08
Naphthalene		**0.525**	mg/kg dry	0.0542	0.0162	54	1	01/25/08
n-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
n-Propylbenzene		**0.0780**	mg/kg dry	0.0542	0.0141		1	01/25/08
sec-Butylbenzene		**0.102**	mg/kg dry	0.0542	0.0141		1	01/25/08
Styrene		ND	mg/kg dry	0.0542	0.0141	13	1	01/25/08
tert-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Tetrachloroethene		ND	mg/kg dry	0.0542	0.0173	12	1	01/25/08
Tetrahydrofuran		ND	mg/kg dry	0.542	0.141		1	01/25/08
Toluene		**0.142**	mg/kg dry	0.0542	0.0152	190	1	01/25/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0173	1100	1	01/25/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Trichloroethene		ND	mg/kg dry	0.0542	0.0130	13	1	01/25/08
Trichlorofluoromethane		ND	mg/kg dry	0.0542	0.0152		1	01/25/08
Vinyl Acetate		ND	mg/kg dry	0.271	0.0217		1	01/25/08
Vinyl Chloride		ND	mg/kg dry	0.0542	0.0130	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O		ND	mg/kg dry	0.0542	0.0108	110	1	01/25/08
Xylene P,M	*J*	**0.0758**	mg/kg dry	0.108	0.0271	110	1	01/25/08
Xylenes (Total)		ND	mg/kg dry	0.162		110	1	01/25/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*105 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1440**	mg/kg dry	46.6		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*66 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0622	10	1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*135 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*124 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*52 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*63 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	**0.435**	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.941**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	**0.825**	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	**0.769**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	**0.583**	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	**0.928**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.232**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	**2.03**	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.529**	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	**1.55**	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**1.63**	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*54 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*49 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**3.6**	mg/kg dry	3.6	6010B	7	1	JP	01/25/08	1.8	100
Barium	**138**	mg/kg dry	3.6	6010B	5500	1	JP	01/25/08	1.8	100
Cadmium	**1.52**	mg/kg dry	0.72	6010B	39	1	JP	01/25/08	1.8	100
Chromium	**20.5**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.8	100
Lead	**1840**	mg/kg dry	71.3	6010B	150	10	JP	01/26/08	1.8	100
Mercury	**0.704**	mg/kg dry	0.040	7471A	23	1	JP	01/29/08	0.64	40
Selenium	ND	mg/kg dry	7.1	6010B	390	1	KAB	01/26/08	1.8	100
Silver	**0.96**	mg/kg dry	0.72	6010B	200	1	JP	01/25/08	1.8	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.0950	0.0313	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0475	0.0123	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0475	0.0142	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0475	0.0152	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0475	0.0133	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0475	0.0114	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0104	96	1	01/25/08
1,2,4-Trimethylbenzene		**0.163**	mg/kg dry	0.0475	0.0114		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.285	0.0950	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0475	0.0104	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0104	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0475	0.0104	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0475	0.0133	1.9	1	01/25/08
1,3,5-Trimethylbenzene	J	**0.0323**	mg/kg dry	0.0475	0.0123		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0114	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0475	0.0095		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0123	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	4.75	2.37		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.0950	0.0237		1	01/25/08
2-Butanone		ND	mg/kg dry	1.19	0.237	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.475	0.0665		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0475	0.0114		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.475	0.0665	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.19	0.380	7800	1	01/25/08
Benzene		**0.161**	mg/kg dry	0.0475	0.0142	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0475	0.0133	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0475	0.0152	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.0950	0.0237	0.8	1	01/25/08
Carbon Disulfide	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Carbon Tetrachloride	ND	mg/kg dry	0.0475	0.0133	1.5	1	01/25/08
Chlorobenzene	ND	mg/kg dry	0.0475	0.0104	210	1	01/25/08
Chloroethane	ND	mg/kg dry	0.0950	0.0313		1	01/25/08
Chloroform	ND	mg/kg dry	0.0475	0.0114	1.2	1	01/25/08
Chloromethane	ND	mg/kg dry	0.0950	0.0152		1	01/25/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0142	630	1	01/25/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Dibromochloromethane	ND	mg/kg dry	0.0475	0.0095	7.6	1	01/25/08
Dibromomethane	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Diethyl Ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Di-isopropyl ether	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0475	0.0095		1	01/25/08
Ethylbenzene	**0.102**	mg/kg dry	0.0475	0.0114	71	1	01/25/08
Hexachlorobutadiene	ND	mg/kg dry	0.0475	0.0152	8.2	1	01/25/08
Isopropylbenzene	**0.0845**	mg/kg dry	0.0475	0.0104	27	1	01/25/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0475	0.0114	390	1	01/25/08
Methylene Chloride	ND	mg/kg dry	0.237	0.0190	45	1	01/25/08
Naphthalene	**2.54**	mg/kg dry	0.0475	0.0142	54	1	01/25/08
n-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
n-Propylbenzene	**0.104**	mg/kg dry	0.0475	0.0123		1	01/25/08
sec-Butylbenzene	**0.116**	mg/kg dry	0.0475	0.0123		1	01/25/08
Styrene	ND	mg/kg dry	0.0475	0.0123	13	1	01/25/08
tert-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Tetrachloroethene	ND	mg/kg dry	0.0475	0.0152	12	1	01/25/08
Tetrahydrofuran	ND	mg/kg dry	0.475	0.123		1	01/25/08
Toluene	**0.0988**	mg/kg dry	0.0475	0.0133	190	1	01/25/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0152	1100	1	01/25/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Trichloroethene	ND	mg/kg dry	0.0475	0.0114	13	1	01/25/08
Trichlorofluoromethane	ND	mg/kg dry	0.0475	0.0133		1	01/25/08
Vinyl Acetate	ND	mg/kg dry	0.237	0.0190		1	01/25/08
Vinyl Chloride	ND	mg/kg dry	0.0475	0.0114	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	J	**0.0313**	mg/kg dry	0.0475	0.0095	110	1	01/25/08
Xylene P,M		**0.155**	mg/kg dry	0.0950	0.0237	110	1	01/25/08
Xylenes (Total)		**0.186**	mg/kg dry	0.142		110	1	01/25/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*108 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2080**	mg/kg dry	47.8		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*51 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.5
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0625	10	1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*137 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*96 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*57 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*66 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.430	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.430	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.430	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.430	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.430	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.16		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.430	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.430	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.430	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.430	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.16	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.430	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.430		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.430		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.430	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.430	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.430		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.861	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.861		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.16		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.430		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.861	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.430		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.16		1	01/30/08
Acenaphthene	**0.504**	mg/kg dry	0.430	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.430	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.861		1	01/30/08
Aniline	ND	mg/kg dry	2.16		1	01/30/08
Anthracene	**0.740**	mg/kg dry	0.430	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.430		1	01/30/08

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.53**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(a)pyrene	**1.30**	mg/kg dry	0.216	0.4	1	01/30/08
Benzo(b)fluoranthene	**1.23**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.430	0.8	1	01/30/08
Benzo(k)fluoranthene	**0.843**	mg/kg dry	0.430	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.16		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.430	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.430	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.430	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Carbazole	ND	mg/kg dry	0.430		1	01/30/08
Chrysene	**1.48**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.283**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzofuran	**0.435**	mg/kg dry	0.430		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.430	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.430	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Fluoranthene	**3.19**	mg/kg dry	0.430	20	1	01/30/08
Fluorene	**0.552**	mg/kg dry	0.430	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.216	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.430	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.16		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.430	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.522**	mg/kg dry	0.430	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.430		1	01/30/08
Naphthalene	**0.545**	mg/kg dry	0.430	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.430		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.430		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.430		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.430		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.16	5.3	1	01/30/08
Phenanthrene	**2.68**	mg/kg dry	0.430	40	1	01/30/08
Phenol	ND	mg/kg dry	0.430	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**2.59**	mg/kg dry	0.430	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.16		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*59 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				3050B/6000/7000 Total Metals						
Batch BA82517 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	30.4	3.3	mg/kg wet	33.33		91	80-120			
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120			
Cadmium	15.1	0.67	mg/kg wet	16.67		91	80-120			
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120			
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120			
Selenium	61.2	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		96	80-120			
LCS Dup										
Arsenic	31.0	3.3	mg/kg wet	33.33		93	80-120	2	20	
Barium	32.4	3.3	mg/kg wet	33.33		97	80-120	1	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	0.8	20	
Chromium	32.9	1.3	mg/kg wet	33.33		99	80-120	1	20	
Lead	33.0	6.7	mg/kg wet	33.33		99	80-120	0.5	20	
Selenium	62.3	6.7	mg/kg wet	66.67		93	80-120	2	20	
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120	0.8	20	
Reference										
Arsenic	80.2	5.0	mg/kg wet	88.80		90	80.86-119.37			
Barium	401	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	57.2	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	91.0	2.0	mg/kg wet	97.90		93	78.86-120.53			
Lead	87.4	10.0	mg/kg wet	88.90		98	81.78-118.11			
Selenium	160	10.0	mg/kg wet	155.0		103	77.42-122.58			
Silver	80.6	1.00	mg/kg wet	81.60		99	66.3-133.58			
Reference										
Barium	446	4.9	mg/kg wet	500.0		89	70-130			
Cadmium	424	1.00	mg/kg wet	500.0		85	70-130			
Chromium	465	2.0	mg/kg wet	500.0		93	70-130			
Lead	492	9.9	mg/kg wet	500.0		98	70-130			
Silver	339	1.00	mg/kg wet	500.0		68	70-130			R-
Batch BA82518 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.208	0.033	mg/kg wet	0.2000		104	80-120			
LCS Dup										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82518 - 7471A										
Mercury	0.210	0.033	mg/kg wet	0.2000		105	80-120	0.7	20	
Reference										
Mercury	4.27	0.330	mg/kg wet	4.470		95	66-132.66			
Reference										
Mercury	0.964	0.160	mg/kg wet	1.000		96	70-130			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00		97	70-130			
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	24.6		ug/L	25.00		98	70-130			
1,1,2-Trichloroethane	24.6		ug/L	25.00		99	70-130			
1,1-Dichloroethane	25.4		ug/L	25.00		101	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethene	29.8		ug/L	25.00		119	70-130			
1,1-Dichloropropene	25.4		ug/L	25.00		102	70-130			
1,2,3-Trichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,2,3-Trichloropropane	25.4		ug/L	25.00		102	70-130			
1,2,4-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,4-Trimethylbenzene	25.9		ug/L	25.00		104	70-130			
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00		100	70-130			
1,2-Dibromoethane	24.6		ug/L	25.00		99	70-130			
1,2-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2-Dichloroethane	24.8		ug/L	25.00		99	70-130			
1,2-Dichloropropane	25.6		ug/L	25.00		103	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,3-Dichloropropane	24.8		ug/L	25.00		99	70-130			
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	889		ug/L	500.0		178	44-241			
1-Chlorohexane	25.2		ug/L	25.00		101	70-130			
2,2-Dichloropropane	23.4		ug/L	25.00		94	70-130			
2-Butanone	168		ug/L	125.0		134	70-130			B+
2-Chlorotoluene	24.1		ug/L	25.00		96	70-130			
2-Hexanone	146		ug/L	125.0		116	70-130			
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130			
4-Isopropyltoluene	24.5		ug/L	25.00		98	70-130			
4-Methyl-2-Pentanone	136		ug/L	125.0		109	70-130			
Acetone	200		ug/L	125.0		160	70-130			B+
Benzene	25.0		ug/L	25.00		100	70-130			
Bromobenzene	24.6		ug/L	25.00		98	70-130			
Bromochloromethane	24.1		ug/L	25.00		96	70-130			
Bromodichloromethane	26.9		ug/L	25.00		108	70-130			
Bromoform	24.0		ug/L	25.00		96	70-130			
Bromomethane	25.9		ug/L	25.00		104	70-130			
Carbon Disulfide	28.0		ug/L	25.00		112	70-130			
Carbon Tetrachloride	25.1		ug/L	25.00		100	70-130			
Chlorobenzene	24.8		ug/L	25.00		99	70-130			
Chloroethane	25.5		ug/L	25.00		102	70-130			
Chloroform	25.0		ug/L	25.00		100	70-130			
Chloromethane	22.4		ug/L	25.00		89	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	25.00		110	70-130			
cis-1,3-Dichloropropene	24.9		ug/L	25.00		100	70-130			
Dibromochloromethane	25.4		ug/L	25.00		102	70-130			
Dibromomethane	24.4		ug/L	25.00		98	70-130			
Dichlorodifluoromethane	20.1		ug/L	25.00		80	70-130			
Diethyl Ether	27.1		ug/L	25.00		108	70-130			
Di-isopropyl ether	26.6		ug/L	25.00		106	70-130			
Ethyl tertiary-butyl ether	25.2		ug/L	25.00		101	70-130			
Ethylbenzene	24.6		ug/L	25.00		98	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Hexachlorobutadiene	25.7		ug/L	25.00		103	70-130			
Isopropylbenzene	22.8		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	25.6		ug/L	25.00		102	70-130			
Methylene Chloride	26.0		ug/L	25.00		104	70-130			
Naphthalene	23.1		ug/L	25.00		93	70-130			
n-Butylbenzene	27.2		ug/L	25.00		109	70-130			
n-Propylbenzene	26.3		ug/L	25.00		105	70-130			
sec-Butylbenzene	25.5		ug/L	25.00		102	70-130			
Styrene	25.2		ug/L	25.00		101	70-130			
tert-Butylbenzene	25.9		ug/L	25.00		104	70-130			
Tertiary-amyl methyl ether	25.7		ug/L	25.00		103	70-130			
Tetrachloroethene	23.2		ug/L	25.00		93	70-130			
Tetrahydrofuran	25.3		ug/L	25.00		101	70-130			
Toluene	25.1		ug/L	25.00		100	70-130			
trans-1,2-Dichloroethene	27.2		ug/L	25.00		109	70-130			
trans-1,3-Dichloropropene	22.8		ug/L	25.00		91	70-130			
Trichloroethene	25.2		ug/L	25.00		101	70-130			
Vinyl Acetate	24.8		ug/L	25.00		99	70-130			
Vinyl Chloride	30.5		ug/L	25.00		122	70-130			
Xylene O	25.1		ug/L	25.00		100	70-130			
Xylene P,M	49.9		ug/L	50.00		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.4		ug/L	25.00		97	70-130	0.7	20	
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130	0.3	20	
1,1,2,2-Tetrachloroethane	25.3		ug/L	25.00		101	70-130	3	20	
1,1,2-Trichloroethane	25.0		ug/L	25.00		100	70-130	1	20	
1,1-Dichloroethane	25.2		ug/L	25.00		101	70-130	0.6	20	
1,1-Dichloroethene	29.4		ug/L	25.00		118	70-130	1	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	0.7	20	
1,2,3-Trichlorobenzene	24.8		ug/L	25.00		99	70-130	4	20	
1,2,3-Trichloropropane	26.0		ug/L	25.00		104	70-130	2	20	
1,2,4-Trichlorobenzene	25.2		ug/L	25.00		101	70-130	2	20	
1,2,4-Trimethylbenzene	26.1		ug/L	25.00		104	70-130	0.6	20	
1,2-Dibromo-3-Chloropropane	25.5		ug/L	25.00		102	70-130	2	20	
1,2-Dibromoethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	1	20	
1,2-Dichloroethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130	0.2	20	
1,3-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	0.6	20	
1,3-Dichloropropane	25.3		ug/L	25.00		101	70-130	2	20	
1,4-Dichlorobenzene	24.4		ug/L	25.00		98	70-130	0.7	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,4-Dioxane - Screen	1060		ug/L	500.0		212	44-241	17	200	
1-Chlorohexane	25.1		ug/L	25.00		100	70-130	0.5	20	
2,2-Dichloropropane	23.5		ug/L	25.00		94	70-130	0.4	20	
2-Butanone	171		ug/L	125.0		137	70-130	2	20	B+
2-Chlorotoluene	23.6		ug/L	25.00		94	70-130	2	20	
2-Hexanone	152		ug/L	125.0		122	70-130	4	20	
4-Chlorotoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Isopropyltoluene	24.3		ug/L	25.00		97	70-130	0.5	20	
4-Methyl-2-Pentanone	141		ug/L	125.0		113	70-130	3	20	
Acetone	199		ug/L	125.0		159	70-130	0.4	20	B+
Benzene	24.8		ug/L	25.00		99	70-130	1	20	
Bromobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
Bromochloromethane	24.1		ug/L	25.00		96	70-130	0.08	20	
Bromodichloromethane	27.5		ug/L	25.00		110	70-130	2	20	
Bromoform	24.8		ug/L	25.00		99	70-130	3	20	
Bromomethane	27.5		ug/L	25.00		110	70-130	6	20	
Carbon Disulfide	27.7		ug/L	25.00		111	70-130	0.9	20	
Carbon Tetrachloride	25.1		ug/L	25.00		101	70-130	0.2	20	
Chlorobenzene	24.6		ug/L	25.00		98	70-130	0.6	20	
Chloroethane	24.4		ug/L	25.00		98	70-130	4	20	
Chloroform	25.1		ug/L	25.00		100	70-130	0.1	20	
Chloromethane	22.4		ug/L	25.00		89	70-130	0.04	20	
cis-1,2-Dichloroethene	27.5		ug/L	25.00		110	70-130	0.1	20	
cis-1,3-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
Dibromochloromethane	25.9		ug/L	25.00		104	70-130	2	20	
Dibromomethane	24.9		ug/L	25.00		100	70-130	2	20	
Dichlorodifluoromethane	20.3		ug/L	25.00		81	70-130	1	20	
Diethyl Ether	27.9		ug/L	25.00		111	70-130	3	20	
Di-isopropyl ether	26.7		ug/L	25.00		107	70-130	0.5	20	
Ethyl tertiary-butyl ether	25.6		ug/L	25.00		102	70-130	2	20	
Ethylbenzene	24.4		ug/L	25.00		98	70-130	0.8	20	
Hexachlorobutadiene	25.8		ug/L	25.00		103	70-130	0.5	20	
Isopropylbenzene	22.5		ug/L	25.00		90	70-130	1	20	
Methyl tert-Butyl Ether	26.3		ug/L	25.00		105	70-130	3	20	
Methylene Chloride	26.3		ug/L	25.00		105	70-130	1	20	
Naphthalene	24.4		ug/L	25.00		98	70-130	6	20	
n-Butylbenzene	27.0		ug/L	25.00		108	70-130	0.9	20	
n-Propylbenzene	26.7		ug/L	25.00		107	70-130	1	20	
sec-Butylbenzene	25.4		ug/L	25.00		101	70-130	0.6	20	
Styrene	25.4		ug/L	25.00		102	70-130	0.8	20	
tert-Butylbenzene	25.5		ug/L	25.00		102	70-130	2	20	
Tertiary-amyl methyl ether	26.3		ug/L	25.00		105	70-130	2	20	
Tetrachloroethene	23.9		ug/L	25.00		96	70-130	3	20	
Tetrahydrofuran	27.9		ug/L	25.00		112	70-130	10	20	
Toluene	25.0		ug/L	25.00		100	70-130	0.4	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	0.5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
trans-1,3-Dichloropropene	23.2		ug/L	25.00		93	70-130	2	20	
Trichloroethene	25.0		ug/L	25.00		100	70-130	0.6	20	
Vinyl Acetate	25.0		ug/L	25.00		100	70-130	0.5	20	
Vinyl Chloride	30.4		ug/L	25.00		122	70-130	0.1	20	
Xylene O	24.9		ug/L	25.00		99	70-130	0.9	20	
Xylene P,M	49.4		ug/L	50.00		99	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.39*		mg/kg wet	*2.500*		*96*	*70-130*			
Matrix Spike Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1,1-Trichloroethane	26.4		ug/L	24.89	ND	106	70-130			
1,1,2,2-Tetrachloroethane	27.5		ug/L	24.89	ND	111	70-130			
1,1,2-Trichloroethane	26.9		ug/L	24.89	ND	108	70-130			
1,1-Dichloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1-Dichloroethene	28.0		ug/L	24.89	ND	113	70-130			
1,1-Dichloropropene	26.1		ug/L	24.89	ND	105	70-130			
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130			
1,2,3-Trichloropropane	28.7		ug/L	24.89	ND	115	70-130			
1,2,4-Trichlorobenzene	27.5		ug/L	24.89	ND	111	70-130			
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130			
1,2-Dibromo-3-Chloropropane	32.0		ug/L	24.89	ND	128	70-130			
1,2-Dibromoethane	27.6		ug/L	24.89	ND	111	70-130			
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	104	70-130			
1,2-Dichloroethane	26.8		ug/L	24.89	ND	108	70-130			
1,2-Dichloropropane	26.5		ug/L	24.89	ND	106	70-130			
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130			
1,3-Dichlorobenzene	25.2		ug/L	24.89	ND	101	70-130			
1,3-Dichloropropane	27.4		ug/L	24.89	ND	110	70-130			
1,4-Dichlorobenzene	25.0		ug/L	24.89	ND	101	70-130			
1,4-Dioxane - Screen	635		ug/L	497.9	ND	128	44-241			
1-Chlorohexane	25.4		ug/L	24.89	ND	102	70-130			
2,2-Dichloropropane	23.3		ug/L	24.89	ND	94	70-130			
2-Butanone	189		ug/L	124.5	ND	152	70-130			M+
2-Chlorotoluene	26.2		ug/L	24.89	ND	105	70-130			
2-Hexanone	210		ug/L	124.5	ND	169	70-130			M+
4-Chlorotoluene	25.6		ug/L	24.89	ND	103	70-130			
4-Isopropyltoluene	26.4		ug/L	24.89	ND	106	70-130			
4-Methyl-2-Pentanone	228		ug/L	124.5	ND	183	70-130			M+
Acetone	187		ug/L	124.5	ND	150	70-130			M+
Benzene	27.2		ug/L	24.89	2.41	100	70-130			
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130			
Bromochloromethane	27.1		ug/L	24.89	ND	109	70-130			
Bromodichloromethane	28.6		ug/L	24.89	ND	115	70-130			
Bromoform	27.2		ug/L	24.89	ND	109	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Bromomethane	25.4		ug/L	24.89	ND	102	70-130			
Carbon Disulfide	26.3		ug/L	24.89	0.127	105	70-130			
Carbon Tetrachloride	26.6		ug/L	24.89	ND	107	70-130			
Chlorobenzene	26.0		ug/L	24.89	ND	104	70-130			
Chloroethane	25.6		ug/L	24.89	ND	103	70-130			
Chloroform	26.3		ug/L	24.89	ND	106	70-130			
Chloromethane	22.2		ug/L	24.89	ND	89	70-130			
cis-1,2-Dichloroethene	28.8		ug/L	24.89	ND	115	70-130			
cis-1,3-Dichloropropene	26.6		ug/L	24.89	ND	107	70-130			
Dibromochloromethane	27.6		ug/L	24.89	ND	111	70-130			
Dibromomethane	27.8		ug/L	24.89	ND	112	70-130			
Dichlorodifluoromethane	22.0		ug/L	24.89	ND	89	70-130			
Diethyl Ether	29.6		ug/L	24.89	ND	119	70-130			
Di-isopropyl ether	27.2		ug/L	24.89	ND	109	70-130			
Ethyl tertiary-butyl ether	27.3		ug/L	24.89	ND	110	70-130			
Ethylbenzene	26.8		ug/L	24.89	1.52	102	70-130			
Hexachlorobutadiene	36.8		ug/L	24.89	ND	148	70-130			M+
Isopropylbenzene	23.7		ug/L	24.89	1.26	90	70-130			
Methyl tert-Butyl Ether	28.5		ug/L	24.89	ND	115	70-130			
Methylene Chloride	27.5		ug/L	24.89	ND	111	70-130			
Naphthalene	57.8		ug/L	24.89	37.9	80	70-130			
n-Butylbenzene	32.7		ug/L	24.89	ND	132	70-130			M+
n-Propylbenzene	27.3		ug/L	24.89	1.54	104	70-130			
sec-Butylbenzene	27.7		ug/L	24.89	1.73	104	70-130			
Styrene	26.3		ug/L	24.89	ND	106	70-130			
tert-Butylbenzene	23.8		ug/L	24.89	ND	96	70-130			
Tertiary-amyl methyl ether	28.3		ug/L	24.89	ND	114	70-130			
Tetrachloroethene	34.2		ug/L	24.89	ND	137	70-130			M+
Tetrahydrofuran	32.5		ug/L	24.89	ND	130	70-130			
Toluene	27.4		ug/L	24.89	1.47	104	70-130			
trans-1,2-Dichloroethene	28.6		ug/L	24.89	ND	115	70-130			
trans-1,3-Dichloropropene	24.8		ug/L	24.89	ND	99	70-130			
Trichloroethene	27.0		ug/L	24.89	ND	108	70-130			
Vinyl Acetate	23.6		ug/L	24.89	ND	95	70-130			
Vinyl Chloride	32.0		ug/L	24.89	ND	128	70-130			
Xylene O	26.0		ug/L	24.89	0.467	103	70-130			
Xylene P,M	52.7		ug/L	49.79	2.31	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.82*		mg/kg dry	*1.669*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*1.96*		mg/kg dry	*1.669*		*117*	*70-130*			
Surrogate: Toluene-d8	*1.83*		mg/kg dry	*1.669*		*110*	*70-130*			
Matrix Spike Dup Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.6		ug/L	24.89	ND	103	70-130	1	20	
1,1,1-Trichloroethane	26.1		ug/L	24.89	ND	105	70-130	1	20	
1,1,2,2-Tetrachloroethane	27.0		ug/L	24.89	ND	108	70-130	2	20	
1,1,2-Trichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethane	25.4		ug/L	24.89	ND	102	70-130	2	20	
1,1-Dichloroethene	27.3		ug/L	24.89	ND	110	70-130	3	20	
1,1-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	0.7	20	
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130	0.1	20	
1,2,3-Trichloropropane	27.8		ug/L	24.89	ND	112	70-130	3	20	
1,2,4-Trichlorobenzene	27.2		ug/L	24.89	ND	109	70-130	1	20	
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130	0.2	20	
1,2-Dibromo-3-Chloropropane	29.3		ug/L	24.89	ND	118	70-130	9	20	
1,2-Dibromoethane	26.4		ug/L	24.89	ND	106	70-130	4	20	
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	103	70-130	0.1	20	
1,2-Dichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	
1,2-Dichloropropane	26.3		ug/L	24.89	ND	106	70-130	0.6	20	
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130	0.1	20	
1,3-Dichlorobenzene	25.3		ug/L	24.89	ND	102	70-130	0.5	20	
1,3-Dichloropropane	26.7		ug/L	24.89	ND	107	70-130	3	20	
1,4-Dichlorobenzene	25.1		ug/L	24.89	ND	101	70-130	0.2	20	
1,4-Dioxane - Screen	1060		ug/L	497.9	ND	212	44-241	50	200	
1-Chlorohexane	25.2		ug/L	24.89	ND	101	70-130	0.6	20	
2,2-Dichloropropane	22.7		ug/L	24.89	ND	91	70-130	3	20	
2-Butanone	178		ug/L	124.5	ND	143	70-130	6	20	M+
2-Chlorotoluene	26.6		ug/L	24.89	ND	107	70-130	2	20	
2-Hexanone	202		ug/L	124.5	ND	162	70-130	4	20	M+
4-Chlorotoluene	25.8		ug/L	24.89	ND	103	70-130	0.5	20	
4-Isopropyltoluene	26.3		ug/L	24.89	ND	106	70-130	0.3	20	
4-Methyl-2-Pentanone	219		ug/L	124.5	ND	176	70-130	4	20	M+
Acetone	205		ug/L	124.5	ND	165	70-130	9	20	M+
Benzene	26.8		ug/L	24.89	2.41	98	70-130	1	20	
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130	0.2	20	
Bromochloromethane	25.8		ug/L	24.89	ND	104	70-130	5	20	
Bromodichloromethane	28.2		ug/L	24.89	ND	113	70-130	2	20	
Bromoform	26.3		ug/L	24.89	ND	106	70-130	3	20	
Bromomethane	26.8		ug/L	24.89	ND	108	70-130	6	20	
Carbon Disulfide	28.5		ug/L	24.89	0.127	114	70-130	8	20	
Carbon Tetrachloride	26.2		ug/L	24.89	ND	105	70-130	2	20	
Chlorobenzene	25.8		ug/L	24.89	ND	104	70-130	0.6	20	
Chloroethane	25.5		ug/L	24.89	ND	102	70-130	0.7	20	
Chloroform	25.7		ug/L	24.89	ND	103	70-130	2	20	
Chloromethane	22.5		ug/L	24.89	ND	90	70-130	1	20	
cis-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	2	20	
cis-1,3-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	3	20	
Dibromochloromethane	27.3		ug/L	24.89	ND	110	70-130	1	20	
Dibromomethane	26.7		ug/L	24.89	ND	107	70-130	4	20	
Dichlorodifluoromethane	21.4		ug/L	24.89	ND	86	70-130	3	20	
Diethyl Ether	27.8		ug/L	24.89	ND	112	70-130	6	20	
Di-isopropyl ether	26.8		ug/L	24.89	ND	108	70-130	2	20	
Ethyl tertiary-butyl ether	26.6		ug/L	24.89	ND	107	70-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Ethylbenzene	26.6		ug/L	24.89	1.52	101	70-130	0.9	20	
Hexachlorobutadiene	38.8		ug/L	24.89	ND	156	70-130	5	20	M+
Isopropylbenzene	23.8		ug/L	24.89	1.26	90	70-130	0.08	20	
Methyl tert-Butyl Ether	27.6		ug/L	24.89	ND	111	70-130	3	20	
Methylene Chloride	27.1		ug/L	24.89	ND	109	70-130	2	20	
Naphthalene	56.5		ug/L	24.89	37.9	74	70-130	2	20	
n-Butylbenzene	32.9		ug/L	24.89	ND	132	70-130	0.6	20	M+
n-Propylbenzene	27.1		ug/L	24.89	1.54	102	70-130	1	20	
sec-Butylbenzene	27.8		ug/L	24.89	1.73	105	70-130	0.1	20	
Styrene	25.9		ug/L	24.89	ND	104	70-130	2	20	
tert-Butylbenzene	23.5		ug/L	24.89	ND	94	70-130	1	20	
Tertiary-amyl methyl ether	27.2		ug/L	24.89	ND	109	70-130	4	20	
Tetrachloroethene	34.4		ug/L	24.89	ND	138	70-130	0.8	20	M+
Tetrahydrofuran	33.7		ug/L	24.89	ND	135	70-130	4	20	M+
Toluene	27.1		ug/L	24.89	1.47	103	70-130	1	20	
trans-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	1	20	
trans-1,3-Dichloropropene	24.1		ug/L	24.89	ND	97	70-130	3	20	
Trichloroethene	26.6		ug/L	24.89	ND	107	70-130	1	20	
Vinyl Acetate	22.9		ug/L	24.89	ND	92	70-130	3	20	
Vinyl Chloride	30.9		ug/L	24.89	ND	124	70-130	3	20	
Xylene O	26.1		ug/L	24.89	0.467	103	70-130	0.2	20	
Xylene P,M	52.2		ug/L	49.79	2.31	100	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*1.85*		mg/kg dry	*1.669*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.78*		mg/kg dry	*1.669*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: Toluene-d8	*1.81*		mg/kg dry	*1.669*		*108*	*70-130*			
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.84*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS										

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Decane (C10)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Docosane (C22)	2.57	0.26	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.53	0.26	mg/kg wet	2.500		101	40-140			
Hexacosane (C26)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Nonadecane (C19)	2.19	0.26	mg/kg wet	2.500		88	40-140			
Octacosane (C28)	2.72	0.26	mg/kg wet	2.500		109	40-140			
Octadecane (C18)	2.48	0.26	mg/kg wet	2.500		99	40-140			
Tetracosane (C24)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Tetradecane (C14)	2.36	0.26	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	2.00	0.26	mg/kg wet	2.500		80	40-140	9	50	
Docosane (C22)	2.59	0.26	mg/kg wet	2.500		103	40-140	0.6	50	
Dodecane (C12)	2.11	0.26	mg/kg wet	2.500		84	40-140	7	50	
Eicosane (C20)	2.52	0.26	mg/kg wet	2.500		101	40-140	0.5	50	
Hexacosane (C26)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Hexadecane (C16)	2.34	0.26	mg/kg wet	2.500		94	40-140	4	50	
Nonadecane (C19)	2.15	0.26	mg/kg wet	2.500		86	40-140	2	50	
Octacosane (C28)	2.75	0.26	mg/kg wet	2.500		110	40-140	1	50	
Octadecane (C18)	2.43	0.26	mg/kg wet	2.500		97	40-140	2	50	
Tetracosane (C24)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Tetradecane (C14)	2.25	0.26	mg/kg wet	2.500		90	40-140	5	50	
Surrogate: O-Terphenyl	*3.67*		mg/kg wet	*5.000*		*73*	*40-140*			
Matrix Spike **Source: 0801299-01**										
Decane (C10)	2.47	0.33	mg/kg dry	3.192	ND	77	40-140			
Docosane (C22)	3.44	0.33	mg/kg dry	3.192	ND	108	40-140			
Dodecane (C12)	2.56	0.33	mg/kg dry	3.192	ND	80	40-140			
Eicosane (C20)	3.49	0.33	mg/kg dry	3.192	ND	109	40-140			
Hexacosane (C26)	3.65	0.33	mg/kg dry	3.192	ND	114	40-140			
Hexadecane (C16)	3.31	0.33	mg/kg dry	3.192	ND	104	40-140			
Nonadecane (C19)	3.10	0.33	mg/kg dry	3.192	0.275	89	40-140			
Octacosane (C28)	3.91	0.33	mg/kg dry	3.192	0.548	105	40-140			
Octadecane (C18)	3.36	0.33	mg/kg dry	3.192	ND	105	40-140			
Tetracosane (C24)	3.73	0.33	mg/kg dry	3.192	0.274	108	40-140			
Tetradecane (C14)	2.96	0.33	mg/kg dry	3.192	ND	93	40-140			
Surrogate: O-Terphenyl	*5.27*		mg/kg dry	*6.385*		*82*	*40-140*			
Matrix Spike Dup **Source: 0801299-01**										
Decane (C10)	2.31	0.32	mg/kg dry	3.127	ND	74	40-140	7	50	
Docosane (C22)	3.08	0.32	mg/kg dry	3.127	ND	98	40-140	11	50	
Dodecane (C12)	2.39	0.32	mg/kg dry	3.127	ND	76	40-140	7	50	
Eicosane (C20)	3.15	0.32	mg/kg dry	3.127	ND	101	40-140	10	50	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Hexacosane (C26)	3.48	0.32	mg/kg dry	3.127	ND	111	40-140	5	50	
Hexadecane (C16)	2.87	0.32	mg/kg dry	3.127	ND	92	40-140	14	50	
Nonadecane (C19)	2.83	0.32	mg/kg dry	3.127	0.275	82	40-140	9	50	
Octacosane (C28)	3.68	0.32	mg/kg dry	3.127	0.548	100	40-140	6	50	
Octadecane (C18)	3.01	0.32	mg/kg dry	3.127	ND	96	40-140	11	50	
Tetracosane (C24)	3.43	0.32	mg/kg dry	3.127	0.274	101	40-140	9	50	
Tetradecane (C14)	2.59	0.32	mg/kg dry	3.127	ND	83	40-140	13	50	
Surrogate: O-Terphenyl	*4.95*		mg/kg dry	*6.254*		*79*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0248*		mg/kg wet	*0.02500*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0263*		mg/kg wet	*0.02500*		*105*	*30-150*			
LCS										
Aroclor 1016	0.486	0.0500	mg/kg wet	0.5000		97	40-140			
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0271*		mg/kg wet	*0.02500*		*109*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0229*		mg/kg wet	*0.02500*		*92*	*30-150*			
LCS Dup										
Aroclor 1016	0.531	0.0500	mg/kg wet	0.5000		106	40-140	9	50	
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140	0.08	50	
Surrogate: Decachlorobiphenyl	*0.0223*		mg/kg wet	*0.02500*		*89*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0179*		mg/kg wet	*0.02500*		*72*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0280*		mg/kg wet	*0.02500*		*112*	*30-150*			
Matrix Spike **Source: 0801299-06**										
Aroclor 1016	0.631	0.0635	mg/kg dry	0.6347	ND	99	40-140			
Aroclor 1260	0.574	0.0635	mg/kg dry	0.6347	ND	90	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Surrogate: Decachlorobiphenyl	*0.0368*		mg/kg dry	*0.03173*		*116*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0248*		mg/kg dry	*0.03173*		*78*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0192*		mg/kg dry	*0.03173*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0232*		mg/kg dry	*0.03173*		*73*	*30-150*			
Matrix Spike Dup Source: 0801299-06										
Aroclor 1016	0.491	0.0628	mg/kg dry	0.6285	ND	78	40-140	25	50	
Aroclor 1260	0.525	0.0628	mg/kg dry	0.6285	ND	84	40-140	9	50	
Surrogate: Decachlorobiphenyl	*0.0270*		mg/kg dry	*0.03142*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0284*		mg/kg dry	*0.03142*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0216*		mg/kg dry	*0.03142*		*69*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0218*		mg/kg dry	*0.03142*		*69*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,I)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3'-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3'-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
R-	Standard Reference Material is biased low.
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
J	Reported between MDL and MRL; Estimated value.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following: MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0801299

Electronic Deliverable X Yes ___ No
Format: Excel___ Access___ PDF X Other _____

Co. Name: TK&K Services
Project #:
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@[illegible]

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	~~1/24/08 0900~~	0900	X		S	OFFTA-WC04	1	1	G			✓											
2		1130	X		S	OFFTA-B1-B4	↓	↓	↓			↓											
3					S	B1-4D																	
4					S	B2-B8																	
5	1/24/08	0900	X		S	OFFTA-WC05	1/6	5	G	✓		✓		✓	✓	✓							
6	↓	↓	X		S	OFFTA-WC06	1/6	5	G	✓		✓		✓	✓	✓							
				JTD 1-24-08																			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA ✓
Cooler Temp: 5.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: L. Kahrs

Comments: Probable high levels TPH in sample OFFTA-B2-B8

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/24/08 1550	Ralph Burks	1/24/08 1550	Ralph Burks	1/24/08 16:35	J. Davis	1-24-08 1635
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801324

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 01, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 25, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801324-01	Soil	OFFTA-B2-B2
0801324-02	Soil	OFFTA-B4
0801324-03	Soil	OFFTA-0F02
0801324-04	Soil	OFFTA-WC07

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82820-DUP1 **Relative percent difference for duplicate is outside of criteria.**
Mercury

5035/8260B Volatile Organic Compounds / Methanol

BA82826-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82826-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82826-MS1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, Acetone, Hexachlorobutadiene, Tetrachloroethene

BA82826-MSD1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, Acetone, Hexachlorobutadiene, Tetrachloroethene

8015M Diesel Range Organics

0801324-03 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B2
Date Sampled: 01/25/08 14:00
Percent Solids: 85
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**76.6**	mg/kg dry	44.1		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B4
Date Sampled: 01/25/08 14:00
Percent Solids: 69
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2310**	mg/kg dry	55.5		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-0F02
Date Sampled: 01/25/08 14:00
Percent Solids: 88
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	3070	mg/kg dry	42.8		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*17 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.4	6010B	7	1	JP	01/28/08	1.85	100
Barium	**155**	mg/kg dry	3.4	6010B	5500	1	JP	01/28/08	1.85	100
Cadmium	**3.63**	mg/kg dry	0.69	6010B	39	1	JP	01/28/08	1.85	100
Chromium	**37.9**	mg/kg dry	1.4	6010B	1400	1	JP	01/28/08	1.85	100
Lead	**2310**	mg/kg dry	68.5	6010B	150	10	JP	01/29/08	1.85	100
Mercury	**0.692**	mg/kg dry	0.193	7471A	23	5	KAB	01/29/08	0.65	40
Selenium	ND	mg/kg dry	6.8	6010B	390	1	JP	01/28/08	1.85	100
Silver	**3.62**	mg/kg dry	0.69	6010B	200	1	JP	01/28/08	1.85	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.0958	0.0316	2.2	1	01/28/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0479	0.0124	540	1	01/28/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0479	0.0144	1.3	1	01/28/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0479	0.0153	3.6	1	01/28/08
1,1-Dichloroethane		ND	mg/kg dry	0.0479	0.0134	920	1	01/28/08
1,1-Dichloroethene		ND	mg/kg dry	0.0479	0.0115	0.2	1	01/28/08
1,1-Dichloropropene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0479	0.0105	96	1	01/28/08
1,2,4-Trimethylbenzene	J	**0.0239**	mg/kg dry	0.0479	0.0115		1	01/28/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.287	0.0958	0.5	1	01/28/08
1,2-Dibromoethane		ND	mg/kg dry	0.0479	0.0105	0.01	1	01/28/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0105	510	1	01/28/08
1,2-Dichloroethane		ND	mg/kg dry	0.0479	0.0105	0.9	1	01/28/08
1,2-Dichloropropane		ND	mg/kg dry	0.0479	0.0134	1.9	1	01/28/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0115	430	1	01/28/08
1,3-Dichloropropane		ND	mg/kg dry	0.0479	0.0096		1	01/28/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0124	27	1	01/28/08
1,4-Dioxane - Screen		ND	mg/kg dry	4.79	2.39		1	01/28/08
1-Chlorohexane		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
2,2-Dichloropropane		ND	mg/kg dry	0.0958	0.0239		1	01/28/08
2-Butanone		ND	mg/kg dry	1.20	0.239	10000	1	01/28/08
2-Chlorotoluene		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
2-Hexanone		ND	mg/kg dry	0.479	0.0670		1	01/28/08
4-Chlorotoluene		ND	mg/kg dry	0.0479	0.0115		1	01/28/08
4-Isopropyltoluene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.479	0.0670	1200	1	01/28/08
Acetone		ND	mg/kg dry	1.20	0.383	7800	1	01/28/08
Benzene		ND	mg/kg dry	0.0479	0.0144	2.5	1	01/28/08
Bromobenzene		ND	mg/kg dry	0.0479	0.0105		1	01/28/08
Bromochloromethane		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Bromodichloromethane		ND	mg/kg dry	0.0479	0.0134	10	1	01/28/08
Bromoform		ND	mg/kg dry	0.0479	0.0153	81	1	01/28/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.0958	0.0239	0.8	1	01/28/08
Carbon Disulfide	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Carbon Tetrachloride	ND	mg/kg dry	0.0479	0.0134	1.5	1	01/28/08
Chlorobenzene	ND	mg/kg dry	0.0479	0.0105	210	1	01/28/08
Chloroethane	ND	mg/kg dry	0.0958	0.0316		1	01/28/08
Chloroform	ND	mg/kg dry	0.0479	0.0115	1.2	1	01/28/08
Chloromethane	ND	mg/kg dry	0.0958	0.0153		1	01/28/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0479	0.0144	630	1	01/28/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0479	0.0105		1	01/28/08
Dibromochloromethane	ND	mg/kg dry	0.0479	0.0096	7.6	1	01/28/08
Dibromomethane	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Diethyl Ether	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Di-isopropyl ether	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0479	0.0096		1	01/28/08
Ethylbenzene	ND	mg/kg dry	0.0479	0.0115	71	1	01/28/08
Hexachlorobutadiene	ND	mg/kg dry	0.0479	0.0153	8.2	1	01/28/08
Isopropylbenzene	ND	mg/kg dry	0.0479	0.0105	27	1	01/28/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0479	0.0115	390	1	01/28/08
Methylene Chloride	ND	mg/kg dry	0.239	0.0192	45	1	01/28/08
Naphthalene	**0.386**	mg/kg dry	0.0479	0.0144	54	1	01/28/08
n-Butylbenzene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
n-Propylbenzene	ND	mg/kg dry	0.0479	0.0124		1	01/28/08
sec-Butylbenzene	ND	mg/kg dry	0.0479	0.0124		1	01/28/08
Styrene	ND	mg/kg dry	0.0479	0.0124	13	1	01/28/08
tert-Butylbenzene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Tetrachloroethene	ND	mg/kg dry	0.0479	0.0153	12	1	01/28/08
Tetrahydrofuran	ND	mg/kg dry	0.479	0.124		1	01/28/08
Toluene	ND	mg/kg dry	0.0479	0.0134	190	1	01/28/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0479	0.0153	1100	1	01/28/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Trichloroethene	ND	mg/kg dry	0.0479	0.0115	13	1	01/28/08
Trichlorofluoromethane	ND	mg/kg dry	0.0479	0.0134		1	01/28/08
Vinyl Acetate	ND	mg/kg dry	0.239	0.0192		1	01/28/08
Vinyl Chloride	ND	mg/kg dry	0.0479	0.0115	0.02	1	01/28/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0479	0.0096	110	1	01/28/08
Xylene P,M	ND	mg/kg dry	0.0958	0.0239	110	1	01/28/08
Xylenes (Total)	ND	mg/kg dry	0.144		110	1	01/28/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*103 %*		*70-130*
Surrogate: Dibromofluoromethane	*115 %*		*70-130*
Surrogate: Toluene-d8	*104 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**166**	mg/kg dry	47.5		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 20
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1221	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1232	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1242	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1248	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1254	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1260	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1262	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1268	ND	mg/kg dry	0.0633	10	1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*95 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*126 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*71 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*79 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	ND	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.37**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	**1.21**	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	**1.13**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	**0.426**	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	**0.784**	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	**1.46**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.266**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	**2.62**	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.489**	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	**1.55**	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**2.32**	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*53 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*71 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*48 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*46 %*		*30-130*
Surrogate: Nitrobenzene-d5	*53 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*74 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82819 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	31.4	3.3	mg/kg wet	33.33		94	80-120			
Barium	32.8	3.3	mg/kg wet	33.33		98	80-120			
Cadmium	15.4	0.67	mg/kg wet	16.67		93	80-120			
Chromium	33.1	1.3	mg/kg wet	33.33		99	80-120			
Lead	33.5	6.7	mg/kg wet	33.33		100	80-120			
Selenium	61.0	6.7	mg/kg wet	66.67		91	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup										
Arsenic	30.2	3.3	mg/kg wet	33.33		91	80-120	4	20	
Barium	32.3	3.3	mg/kg wet	33.33		97	80-120	2	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	2	20	
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120	2	20	
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120	2	20	
Selenium	58.7	6.7	mg/kg wet	66.67		88	80-120	4	20	
Silver	15.8	0.67	mg/kg wet	16.67		95	80-120	2	20	
Reference										
Arsenic	79.5	5.0	mg/kg wet	88.80		89	80.86-119.37			
Barium	414	5.0	mg/kg wet	427.0		97	82.67-117.33			
Cadmium	58.4	1.00	mg/kg wet	63.00		93	82.06-117.94			
Chromium	91.9	2.0	mg/kg wet	97.90		94	78.86-120.53			
Lead	87.9	10.0	mg/kg wet	88.90		99	81.78-118.11			
Selenium	144	10.0	mg/kg wet	155.0		93	77.42-122.58			
Silver	80.7	1.00	mg/kg wet	81.60		99	66.3-133.58			
Batch BA82820 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.205	0.033	mg/kg wet	0.2000		103	80-120			
LCS Dup										
Mercury	0.205	0.033	mg/kg wet	0.2000		103	80-120	0.05	20	
Duplicate **Source: 0801324-04**										
Mercury	1.11	0.193	mg/kg dry		0.692			47	35	D+
Matrix Spike **Source: 0801324-04**										
Mercury	0.885	0.190	mg/kg dry	0.2301	0.692	84	75-125			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82820 - 7471A										
Matrix Spike Dup Source: 0801324-04										
Mercury	0.934	0.193	mg/kg dry	0.2337	0.692	103	75-125	5	35	
Reference										
Mercury	4.62	0.330	mg/kg wet	4.470		103	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*2.49*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	25.3		ug/L	25.00		101	70-130			
1,1,1-Trichloroethane	26.3		ug/L	25.00		105	70-130			
1,1,2,2-Tetrachloroethane	26.5		ug/L	25.00		106	70-130			
1,1,2-Trichloroethane	26.6		ug/L	25.00		107	70-130			
1,1-Dichloroethane	26.1		ug/L	25.00		104	70-130			
1,1-Dichloroethene	29.1		ug/L	25.00		116	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1,1-Dichloropropene	26.3		ug/L	25.00		105	70-130			
1,2,3-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,3-Trichloropropane	27.4		ug/L	25.00		109	70-130			
1,2,4-Trichlorobenzene	26.7		ug/L	25.00		107	70-130			
1,2,4-Trimethylbenzene	26.9		ug/L	25.00		108	70-130			
1,2-Dibromo-3-Chloropropane	29.6		ug/L	25.00		118	70-130			
1,2-Dibromoethane	26.5		ug/L	25.00		106	70-130			
1,2-Dichlorobenzene	25.6		ug/L	25.00		103	70-130			
1,2-Dichloroethane	26.6		ug/L	25.00		106	70-130			
1,2-Dichloropropane	26.3		ug/L	25.00		105	70-130			
1,3,5-Trimethylbenzene	25.3		ug/L	25.00		101	70-130			
1,3-Dichlorobenzene	25.4		ug/L	25.00		102	70-130			
1,3-Dichloropropane	26.4		ug/L	25.00		106	70-130			
1,4-Dichlorobenzene	25.0		ug/L	25.00		100	70-130			
1,4-Dioxane - Screen	1060		ug/L	500.0		212	44-241			
1-Chlorohexane	24.8		ug/L	25.00		99	70-130			
2,2-Dichloropropane	25.4		ug/L	25.00		101	70-130			
2-Butanone	182		ug/L	125.0		146	70-130			B+
2-Chlorotoluene	24.1		ug/L	25.00		96	70-130			
2-Hexanone	162		ug/L	125.0		130	70-130			
4-Chlorotoluene	25.2		ug/L	25.00		101	70-130			
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	154		ug/L	125.0		123	70-130			
Acetone	211		ug/L	125.0		169	70-130			B+
Benzene	25.7		ug/L	25.00		103	70-130			
Bromobenzene	25.5		ug/L	25.00		102	70-130			
Bromochloromethane	26.1		ug/L	25.00		104	70-130			
Bromodichloromethane	28.7		ug/L	25.00		115	70-130			
Bromoform	26.5		ug/L	25.00		106	70-130			
Bromomethane	27.7		ug/L	25.00		111	70-130			
Carbon Disulfide	29.1		ug/L	25.00		117	70-130			
Carbon Tetrachloride	26.7		ug/L	25.00		107	70-130			
Chlorobenzene	25.6		ug/L	25.00		102	70-130			
Chloroethane	25.9		ug/L	25.00		103	70-130			
Chloroform	26.1		ug/L	25.00		104	70-130			
Chloromethane	23.3		ug/L	25.00		93	70-130			
cis-1,2-Dichloroethene	28.8		ug/L	25.00		115	70-130			
cis-1,3-Dichloropropene	26.8		ug/L	25.00		107	70-130			
Dibromochloromethane	27.1		ug/L	25.00		108	70-130			
Dibromomethane	26.5		ug/L	25.00		106	70-130			
Dichlorodifluoromethane	21.2		ug/L	25.00		85	70-130			
Diethyl Ether	29.7		ug/L	25.00		119	70-130			
Di-isopropyl ether	27.6		ug/L	25.00		110	70-130			
Ethyl tertiary-butyl ether	27.1		ug/L	25.00		108	70-130			
Ethylbenzene	25.4		ug/L	25.00		101	70-130			
Hexachlorobutadiene	25.5		ug/L	25.00		102	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Isopropylbenzene	22.7		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	28.0		ug/L	25.00		112	70-130			
Methylene Chloride	27.5		ug/L	25.00		110	70-130			
Naphthalene	29.4		ug/L	25.00		118	70-130			
n-Butylbenzene	28.7		ug/L	25.00		115	70-130			
n-Propylbenzene	26.8		ug/L	25.00		107	70-130			
sec-Butylbenzene	25.8		ug/L	25.00		103	70-130			
Styrene	26.1		ug/L	25.00		105	70-130			
tert-Butylbenzene	25.9		ug/L	25.00		104	70-130			
Tertiary-amyl methyl ether	27.8		ug/L	25.00		111	70-130			
Tetrachloroethene	25.1		ug/L	25.00		100	70-130			
Tetrahydrofuran	31.9		ug/L	25.00		127	70-130			
Toluene	26.3		ug/L	25.00		105	70-130			
trans-1,2-Dichloroethene	28.5		ug/L	25.00		114	70-130			
trans-1,3-Dichloropropene	24.9		ug/L	25.00		100	70-130			
Trichloroethene	26.4		ug/L	25.00		106	70-130			
Vinyl Acetate	26.0		ug/L	25.00		104	70-130			
Vinyl Chloride	31.8		ug/L	25.00		127	70-130			
Xylene O	25.4		ug/L	25.00		102	70-130			
Xylene P,M	51.1		ug/L	50.00		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: Toluene-d8	*2.36*		mg/kg wet	*2.500*		*94*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.9		ug/L	25.00		100	70-130	2	20	
1,1,1-Trichloroethane	25.6		ug/L	25.00		102	70-130	3	20	
1,1,2,2-Tetrachloroethane	25.9		ug/L	25.00		104	70-130	2	20	
1,1,2-Trichloroethane	26.0		ug/L	25.00		104	70-130	3	20	
1,1-Dichloroethane	25.4		ug/L	25.00		102	70-130	3	20	
1,1-Dichloroethene	27.7		ug/L	25.00		111	70-130	5	20	
1,1-Dichloropropene	25.5		ug/L	25.00		102	70-130	3	20	
1,2,3-Trichlorobenzene	24.8		ug/L	25.00		99	70-130	0.6	20	
1,2,3-Trichloropropane	27.0		ug/L	25.00		108	70-130	1	20	
1,2,4-Trichlorobenzene	26.2		ug/L	25.00		105	70-130	2	20	
1,2,4-Trimethylbenzene	26.1		ug/L	25.00		105	70-130	3	20	
1,2-Dibromo-3-Chloropropane	28.3		ug/L	25.00		113	70-130	4	20	
1,2-Dibromoethane	25.8		ug/L	25.00		103	70-130	3	20	
1,2-Dichlorobenzene	24.8		ug/L	25.00		99	70-130	3	20	
1,2-Dichloroethane	26.0		ug/L	25.00		104	70-130	2	20	
1,2-Dichloropropane	25.7		ug/L	25.00		103	70-130	2	20	
1,3,5-Trimethylbenzene	24.6		ug/L	25.00		98	70-130	3	20	
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	3	20	
1,3-Dichloropropane	25.5		ug/L	25.00		102	70-130	4	20	
1,4-Dichlorobenzene	24.1		ug/L	25.00		96	70-130	4	20	
1,4-Dioxane - Screen	1170		ug/L	500.0		235	44-241	10	200	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1-Chlorohexane	24.0		ug/L	25.00		96	70-130	3	20	
2,2-Dichloropropane	24.2		ug/L	25.00		97	70-130	5	20	
2-Butanone	185		ug/L	125.0		148	70-130	1	20	B+
2-Chlorotoluene	23.0		ug/L	25.00		92	70-130	5	20	
2-Hexanone	160		ug/L	125.0		128	70-130	1	20	
4-Chlorotoluene	24.6		ug/L	25.00		98	70-130	3	20	
4-Isopropyltoluene	24.3		ug/L	25.00		97	70-130	3	20	
4-Methyl-2-Pentanone	153		ug/L	125.0		123	70-130	0.1	20	
Acetone	204		ug/L	125.0		163	70-130	4	20	B+
Benzene	24.8		ug/L	25.00		99	70-130	4	20	
Bromobenzene	24.8		ug/L	25.00		99	70-130	3	20	
Bromochloromethane	25.1		ug/L	25.00		100	70-130	4	20	
Bromodichloromethane	27.7		ug/L	25.00		111	70-130	4	20	
Bromoform	26.2		ug/L	25.00		105	70-130	1	20	
Bromomethane	27.4		ug/L	25.00		110	70-130	1	20	
Carbon Disulfide	28.0		ug/L	25.00		112	70-130	4	20	
Carbon Tetrachloride	25.7		ug/L	25.00		103	70-130	4	20	
Chlorobenzene	24.9		ug/L	25.00		99	70-130	3	20	
Chloroethane	24.5		ug/L	25.00		98	70-130	5	20	
Chloroform	25.3		ug/L	25.00		101	70-130	3	20	
Chloromethane	22.1		ug/L	25.00		88	70-130	5	20	
cis-1,2-Dichloroethene	28.1		ug/L	25.00		112	70-130	3	20	
cis-1,3-Dichloropropene	26.1		ug/L	25.00		104	70-130	3	20	
Dibromochloromethane	26.5		ug/L	25.00		106	70-130	2	20	
Dibromomethane	26.0		ug/L	25.00		104	70-130	2	20	
Dichlorodifluoromethane	20.0		ug/L	25.00		80	70-130	6	20	
Diethyl Ether	28.9		ug/L	25.00		116	70-130	3	20	
Di-isopropyl ether	26.8		ug/L	25.00		107	70-130	3	20	
Ethyl tertiary-butyl ether	26.5		ug/L	25.00		106	70-130	2	20	
Ethylbenzene	24.5		ug/L	25.00		98	70-130	4	20	
Hexachlorobutadiene	25.2		ug/L	25.00		101	70-130	1	20	
Isopropylbenzene	22.0		ug/L	25.00		88	70-130	3	20	
Methyl tert-Butyl Ether	27.5		ug/L	25.00		110	70-130	2	20	
Methylene Chloride	26.7		ug/L	25.00		107	70-130	3	20	
Naphthalene	28.6		ug/L	25.00		114	70-130	3	20	
n-Butylbenzene	28.1		ug/L	25.00		112	70-130	2	20	
n-Propylbenzene	26.2		ug/L	25.00		105	70-130	2	20	
sec-Butylbenzene	25.0		ug/L	25.00		100	70-130	3	20	
Styrene	25.3		ug/L	25.00		101	70-130	3	20	
tert-Butylbenzene	24.7		ug/L	25.00		99	70-130	5	20	
Tertiary-amyl methyl ether	27.3		ug/L	25.00		109	70-130	2	20	
Tetrachloroethene	26.1		ug/L	25.00		104	70-130	4	20	
Tetrahydrofuran	31.1		ug/L	25.00		124	70-130	3	20	
Toluene	25.6		ug/L	25.00		102	70-130	3	20	
trans-1,2-Dichloroethene	27.5		ug/L	25.00		110	70-130	4	20	
trans-1,3-Dichloropropene	24.4		ug/L	25.00		98	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Trichloroethene	25.6		ug/L	25.00		103	70-130	3	20	
Vinyl Acetate	25.2		ug/L	25.00		101	70-130	3	20	
Vinyl Chloride	30.2		ug/L	25.00		121	70-130	5	20	
Xylene O	24.8		ug/L	25.00		99	70-130	2	20	
Xylene P,M	49.1		ug/L	50.00		98	70-130	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.47*		mg/kg wet	*2.500*		*99*	*70-130*			
Surrogate: Toluene-d8	*2.37*		mg/kg wet	*2.500*		*95*	*70-130*			
Matrix Spike Source: 0801324-04										
1,1,1,2-Tetrachloroethane	25.0		ug/L	24.94	ND	100	70-130			
1,1,1-Trichloroethane	26.9		ug/L	24.94	ND	108	70-130			
1,1,2,2-Tetrachloroethane	25.6		ug/L	24.94	ND	103	70-130			
1,1,2-Trichloroethane	27.0		ug/L	24.94	ND	108	70-130			
1,1-Dichloroethane	26.0		ug/L	24.94	ND	104	70-130			
1,1-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130			
1,1-Dichloropropene	26.7		ug/L	24.94	ND	107	70-130			
1,2,3-Trichlorobenzene	25.1		ug/L	24.94	ND	101	70-130			
1,2,3-Trichloropropane	27.0		ug/L	24.94	ND	108	70-130			
1,2,4-Trichlorobenzene	26.9		ug/L	24.94	ND	108	70-130			
1,2,4-Trimethylbenzene	26.4		ug/L	24.94	0.230	105	70-130			
1,2-Dibromo-3-Chloropropane	30.5		ug/L	24.94	ND	122	70-130			
1,2-Dibromoethane	27.3		ug/L	24.94	ND	109	70-130			
1,2-Dichlorobenzene	25.3		ug/L	24.94	ND	101	70-130			
1,2-Dichloroethane	27.4		ug/L	24.94	ND	110	70-130			
1,2-Dichloropropane	26.2		ug/L	24.94	ND	105	70-130			
1,3,5-Trimethylbenzene	24.8		ug/L	24.94	ND	100	70-130			
1,3-Dichlorobenzene	24.9		ug/L	24.94	ND	100	70-130			
1,3-Dichloropropane	26.2		ug/L	24.94	ND	105	70-130			
1,4-Dichlorobenzene	24.4		ug/L	24.94	ND	98	70-130			
1,4-Dioxane - Screen	789		ug/L	498.7	ND	158	44-241			
1-Chlorohexane	24.3		ug/L	24.94	ND	97	70-130			
2,2-Dichloropropane	21.6		ug/L	24.94	ND	87	70-130			
2-Butanone	191		ug/L	124.7	ND	153	70-130			M+
2-Chlorotoluene	23.5		ug/L	24.94	ND	94	70-130			
2-Hexanone	163		ug/L	124.7	ND	131	70-130			M+
4-Chlorotoluene	24.6		ug/L	24.94	ND	99	70-130			
4-Isopropyltoluene	25.2		ug/L	24.94	ND	101	70-130			
4-Methyl-2-Pentanone	158		ug/L	124.7	ND	127	70-130			
Acetone	211		ug/L	124.7	3.65	166	70-130			M+
Benzene	25.8		ug/L	24.94	ND	103	70-130			
Bromobenzene	25.4		ug/L	24.94	ND	102	70-130			
Bromochloromethane	27.8		ug/L	24.94	ND	111	70-130			
Bromodichloromethane	28.6		ug/L	24.94	ND	115	70-130			
Bromoform	26.6		ug/L	24.94	ND	107	70-130			
Bromomethane	23.8		ug/L	24.94	ND	96	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Carbon Disulfide	28.4		ug/L	24.94	ND	114	70-130			
Carbon Tetrachloride	27.2		ug/L	24.94	ND	109	70-130			
Chlorobenzene	25.1		ug/L	24.94	ND	101	70-130			
Chloroethane	26.8		ug/L	24.94	ND	107	70-130			
Chloroform	26.3		ug/L	24.94	ND	106	70-130			
Chloromethane	21.2		ug/L	24.94	ND	85	70-130			
cis-1,2-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130			
cis-1,3-Dichloropropene	26.3		ug/L	24.94	ND	106	70-130			
Dibromochloromethane	27.0		ug/L	24.94	ND	108	70-130			
Dibromomethane	27.8		ug/L	24.94	ND	112	70-130			
Dichlorodifluoromethane	21.4		ug/L	24.94	ND	86	70-130			
Diethyl Ether	29.8		ug/L	24.94	ND	119	70-130			
Di-isopropyl ether	27.0		ug/L	24.94	ND	108	70-130			
Ethyl tertiary-butyl ether	27.4		ug/L	24.94	ND	110	70-130			
Ethylbenzene	24.9		ug/L	24.94	ND	100	70-130			
Hexachlorobutadiene	35.6		ug/L	24.94	ND	143	70-130			M+
Isopropylbenzene	22.3		ug/L	24.94	ND	90	70-130			
Methyl tert-Butyl Ether	28.6		ug/L	24.94	ND	115	70-130			
Methylene Chloride	27.5		ug/L	24.94	0.175	110	70-130			
Naphthalene	31.4		ug/L	24.94	3.71	111	70-130			
n-Butylbenzene	30.7		ug/L	24.94	ND	123	70-130			
n-Propylbenzene	26.4		ug/L	24.94	ND	106	70-130			
sec-Butylbenzene	26.0		ug/L	24.94	0.0921	104	70-130			
Styrene	25.7		ug/L	24.94	ND	103	70-130			
tert-Butylbenzene	21.8		ug/L	24.94	ND	88	70-130			
Tertiary-amyl methyl ether	28.2		ug/L	24.94	ND	113	70-130			
Tetrachloroethene	36.8		ug/L	24.94	ND	147	70-130			M+
Tetrahydrofuran	32.4		ug/L	24.94	ND	130	70-130			
Toluene	26.5		ug/L	24.94	ND	106	70-130			
trans-1,2-Dichloroethene	28.7		ug/L	24.94	ND	115	70-130			
trans-1,3-Dichloropropene	24.6		ug/L	24.94	ND	99	70-130			
Trichloroethene	27.5		ug/L	24.94	ND	110	70-130			
Vinyl Acetate	22.9		ug/L	24.94	ND	92	70-130			
Vinyl Chloride	31.7		ug/L	24.94	ND	127	70-130			
Xylene O	25.2		ug/L	24.94	ND	101	70-130			
Xylene P,M	50.0		ug/L	49.87	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*3.19*		mg/kg dry	*2.594*		*123*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.90*		mg/kg dry	*2.594*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*3.25*		mg/kg dry	*2.594*		*125*	*70-130*			
Surrogate: Toluene-d8	*2.99*		mg/kg dry	*2.594*		*115*	*70-130*			
Matrix Spike Dup Source: 0801324-04										
1,1,1,2-Tetrachloroethane	25.1		ug/L	24.94	ND	101	70-130	0.5	20	
1,1,1-Trichloroethane	26.8		ug/L	24.94	ND	107	70-130	0.5	20	
1,1,2,2-Tetrachloroethane	24.6		ug/L	24.94	ND	99	70-130	4	20	
1,1,2-Trichloroethane	26.2		ug/L	24.94	ND	105	70-130	3	20	
1,1-Dichloroethane	25.8		ug/L	24.94	ND	103	70-130	0.8	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1,1-Dichloroethene	31.2		ug/L	24.94	ND	125	70-130	7	20	
1,1-Dichloropropene	26.4		ug/L	24.94	ND	106	70-130	1	20	
1,2,3-Trichlorobenzene	24.9		ug/L	24.94	ND	100	70-130	0.8	20	
1,2,3-Trichloropropane	26.1		ug/L	24.94	ND	105	70-130	3	20	
1,2,4-Trichlorobenzene	26.8		ug/L	24.94	ND	108	70-130	0.04	20	
1,2,4-Trimethylbenzene	26.5		ug/L	24.94	0.230	106	70-130	0.4	20	
1,2-Dibromo-3-Chloropropane	29.9		ug/L	24.94	ND	120	70-130	2	20	
1,2-Dibromoethane	26.6		ug/L	24.94	ND	107	70-130	3	20	
1,2-Dichlorobenzene	25.0		ug/L	24.94	ND	100	70-130	1	20	
1,2-Dichloroethane	26.5		ug/L	24.94	ND	106	70-130	3	20	
1,2-Dichloropropane	26.0		ug/L	24.94	ND	104	70-130	0.9	20	
1,3,5-Trimethylbenzene	24.9		ug/L	24.94	ND	100	70-130	0.4	20	
1,3-Dichlorobenzene	24.9		ug/L	24.94	ND	100	70-130	0.2	20	
1,3-Dichloropropane	25.7		ug/L	24.94	ND	103	70-130	2	20	
1,4-Dichlorobenzene	24.3		ug/L	24.94	ND	97	70-130	0.2	20	
1,4-Dioxane - Screen	1140		ug/L	498.7	ND	229	44-241	37	200	
1-Chlorohexane	24.9		ug/L	24.94	ND	100	70-130	2	20	
2,2-Dichloropropane	20.5		ug/L	24.94	ND	82	70-130	5	20	
2-Butanone	181		ug/L	124.7	ND	145	70-130	5	20	M+
2-Chlorotoluene	23.8		ug/L	24.94	ND	96	70-130	2	20	
2-Hexanone	156		ug/L	124.7	ND	125	70-130	4	20	
4-Chlorotoluene	24.5		ug/L	24.94	ND	98	70-130	0.2	20	
4-Isopropyltoluene	25.5		ug/L	24.94	ND	102	70-130	1	20	
4-Methyl-2-Pentanone	151		ug/L	124.7	ND	121	70-130	5	20	
Acetone	219		ug/L	124.7	3.65	173	70-130	4	20	M+
Benzene	25.5		ug/L	24.94	ND	102	70-130	1	20	
Bromobenzene	25.2		ug/L	24.94	ND	101	70-130	1	20	
Bromochloromethane	26.3		ug/L	24.94	ND	105	70-130	5	20	
Bromodichloromethane	28.5		ug/L	24.94	ND	114	70-130	0.4	20	
Bromoform	26.0		ug/L	24.94	ND	104	70-130	2	20	
Bromomethane	26.4		ug/L	24.94	ND	106	70-130	10	20	
Carbon Disulfide	28.7		ug/L	24.94	ND	115	70-130	1	20	
Carbon Tetrachloride	27.1		ug/L	24.94	ND	109	70-130	0.4	20	
Chlorobenzene	25.4		ug/L	24.94	ND	102	70-130	1	20	
Chloroethane	25.7		ug/L	24.94	ND	103	70-130	4	20	
Chloroform	26.2		ug/L	24.94	ND	105	70-130	0.6	20	
Chloromethane	22.3		ug/L	24.94	ND	89	70-130	5	20	
cis-1,2-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130	0.2	20	
cis-1,3-Dichloropropene	25.8		ug/L	24.94	ND	104	70-130	2	20	
Dibromochloromethane	26.6		ug/L	24.94	ND	107	70-130	1	20	
Dibromomethane	26.9		ug/L	24.94	ND	108	70-130	4	20	
Dichlorodifluoromethane	21.2		ug/L	24.94	ND	85	70-130	0.6	20	
Diethyl Ether	29.0		ug/L	24.94	ND	116	70-130	3	20	
Di-isopropyl ether	26.7		ug/L	24.94	ND	107	70-130	1	20	
Ethyl tertiary-butyl ether	26.8		ug/L	24.94	ND	108	70-130	2	20	
Ethylbenzene	24.8		ug/L	24.94	ND	100	70-130	0.2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Hexachlorobutadiene	37.3		ug/L	24.94	ND	150	70-130	5	20	M+
Isopropylbenzene	22.4		ug/L	24.94	ND	90	70-130	0.2	20	
Methyl tert-Butyl Ether	27.7		ug/L	24.94	ND	111	70-130	3	20	
Methylene Chloride	27.3		ug/L	24.94	0.175	109	70-130	0.7	20	
Naphthalene	32.3		ug/L	24.94	3.71	115	70-130	3	20	
n-Butylbenzene	30.4		ug/L	24.94	ND	122	70-130	1	20	
n-Propylbenzene	26.3		ug/L	24.94	ND	105	70-130	0.4	20	
sec-Butylbenzene	26.0		ug/L	24.94	0.0921	104	70-130	0	20	
Styrene	25.8		ug/L	24.94	ND	103	70-130	0.4	20	
tert-Butylbenzene	21.6		ug/L	24.94	ND	86	70-130	1	20	
Tertiary-amyl methyl ether	27.6		ug/L	24.94	ND	111	70-130	2	20	
Tetrachloroethene	37.6		ug/L	24.94	ND	151	70-130	2	20	M+
Tetrahydrofuran	30.7		ug/L	24.94	ND	123	70-130	5	20	
Toluene	26.6		ug/L	24.94	ND	107	70-130	0.7	20	
trans-1,2-Dichloroethene	28.6		ug/L	24.94	ND	115	70-130	0.5	20	
trans-1,3-Dichloropropene	23.9		ug/L	24.94	ND	96	70-130	3	20	
Trichloroethene	27.4		ug/L	24.94	ND	110	70-130	0.3	20	
Vinyl Acetate	22.1		ug/L	24.94	ND	89	70-130	4	20	
Vinyl Chloride	30.9		ug/L	24.94	ND	124	70-130	3	20	
Xylene O	25.2		ug/L	24.94	ND	101	70-130	0.08	20	
Xylene P,M	50.1		ug/L	49.87	ND	100	70-130	0.2	20	
Surrogate: 1,2-Dichloroethane-d4	*3.15*		mg/kg dry	*2.594*		*121*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.87*		mg/kg dry	*2.594*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*3.23*		mg/kg dry	*2.594*		*124*	*70-130*			
Surrogate: Toluene-d8	*2.98*		mg/kg dry	*2.594*		*115*	*70-130*			
8015M Diesel Range Organics										
Batch BA82601 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.85*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.03	0.26	mg/kg wet	2.500		81	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82601 - 3541										
Docosane (C22)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.23	0.26	mg/kg wet	2.500		89	40-140			
Eicosane (C20)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.44	0.26	mg/kg wet	2.500		97	40-140			
Hexadecane (C16)	2.33	0.26	mg/kg wet	2.500		93	40-140			
Nonadecane (C19)	2.49	0.26	mg/kg wet	2.500		100	40-140			
Octacosane (C28)	2.45	0.26	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.38	0.26	mg/kg wet	2.500		95	40-140			
Tetracosane (C24)	2.49	0.26	mg/kg wet	2.500		100	40-140			
Tetradecane (C14)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Surrogate: O-Terphenyl	*3.87*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS Dup										
Decane (C10)	2.59	0.26	mg/kg wet	2.500		104	40-140	24	50	
Docosane (C22)	3.18	0.26	mg/kg wet	2.500		127	40-140	26	50	
Dodecane (C12)	2.92	0.26	mg/kg wet	2.500		117	40-140	27	50	
Eicosane (C20)	3.19	0.26	mg/kg wet	2.500		127	40-140	27	50	
Hexacosane (C26)	3.16	0.26	mg/kg wet	2.500		127	40-140	26	50	
Hexadecane (C16)	3.08	0.26	mg/kg wet	2.500		123	40-140	28	50	
Nonadecane (C19)	3.27	0.26	mg/kg wet	2.500		131	40-140	27	50	
Octacosane (C28)	3.17	0.26	mg/kg wet	2.500		127	40-140	26	50	
Octadecane (C18)	3.14	0.26	mg/kg wet	2.500		125	40-140	27	50	
Tetracosane (C24)	3.23	0.26	mg/kg wet	2.500		129	40-140	26	50	
Tetradecane (C14)	3.04	0.26	mg/kg wet	2.500		121	40-140	28	50	
Surrogate: O-Terphenyl	*4.98*		mg/kg wet	*5.000*		*100*	*40-140*			
Batch BA82917 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Docosane (C22)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Dodecane (C12)	2.80	0.26	mg/kg wet	2.500		112	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Eicosane (C20)	3.39	0.26	mg/kg wet	2.500		136	40-140			
Hexacosane (C26)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Hexadecane (C16)	3.06	0.26	mg/kg wet	2.500		122	40-140			
Nonadecane (C19)	3.40	0.26	mg/kg wet	2.500		136	40-140			
Octacosane (C28)	3.45	0.26	mg/kg wet	2.500		138	40-140			
Octadecane (C18)	3.24	0.26	mg/kg wet	2.500		129	40-140			
Tetracosane (C24)	3.51	0.26	mg/kg wet	2.500		140	40-140			
Tetradecane (C14)	2.93	0.26	mg/kg wet	2.500		117	40-140			
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.41	0.26	mg/kg wet	2.500		96	40-140	2	50	
Docosane (C22)	3.10	0.26	mg/kg wet	2.500		124	40-140	10	50	
Dodecane (C12)	2.72	0.26	mg/kg wet	2.500		109	40-140	3	50	
Eicosane (C20)	3.10	0.26	mg/kg wet	2.500		124	40-140	9	50	
Hexacosane (C26)	3.08	0.26	mg/kg wet	2.500		123	40-140	11	50	
Hexadecane (C16)	2.94	0.26	mg/kg wet	2.500		118	40-140	4	50	
Nonadecane (C19)	3.17	0.26	mg/kg wet	2.500		127	40-140	7	50	
Octacosane (C28)	3.09	0.26	mg/kg wet	2.500		124	40-140	11	50	
Octadecane (C18)	3.06	0.26	mg/kg wet	2.500		122	40-140	6	50	
Tetracosane (C24)	3.15	0.26	mg/kg wet	2.500		126	40-140	11	50	
Tetradecane (C14)	2.83	0.26	mg/kg wet	2.500		113	40-140	3	50	
Surrogate: O-Terphenyl	*4.49*		mg/kg wet	*5.000*		*90*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0218*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0204*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0226*		mg/kg wet	*0.02500*		*90*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.451	0.0500	mg/kg wet	0.5000		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Surrogate: Decachlorobiphenyl	*0.0236*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0244*		mg/kg wet	*0.02500*		*98*	*30-150*			
LCS Dup										
Aroclor 1016	0.442	0.0500	mg/kg wet	0.5000		88	40-140	3	50	
Aroclor 1260	0.443	0.0500	mg/kg wet	0.5000		89	40-140	2	50	
Surrogate: Decachlorobiphenyl	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0231*		mg/kg wet	*0.02500*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3'-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3´-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Elizabeth Ouk

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Tuesday, January 29, 2008 2:55 PM
To: Elizabeth Ouk
Subject: RE: Samples Received 1/25/08
Attachments: image001.jpg

Liz,

Please make the changes as noted – we are in agreement.

All waste characterization samples should be run for TPH, PCBs, VOCs, SVOCs and metals (8).

Thanks,

Larry

TK&K SERVICES

Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Elizabeth Ouk [mailto:EOuk@thielsch.com]
Sent: Tuesday, January 29, 2008 9:36 AM
To: Lawrence Kahrs
Subject: Samples Received 1/25/08

Hi Larry,

Please see attached chain of custody and revised to indicate VOC BTEX/MTBE is not needed for sample OFFTA-WC07, but instead you would like us to run TPH (DRO) on this sample.

Thank you,

Elizabeth Ouk
ESS Laboratory
Tel. (401) 461-7181
Fax (401) 461-4486

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801324

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
Tk & K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 664-0086		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 VOA	VPH w/targets / 8021 MTBE/BTEX	8015 DRO / 5100 TPH	EPH 4 Diesel / EPH w/PAHs	EPH w/o PAHs	608 PCB / 608 Pesticides / 8082 PCB	8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8	RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg	MCP-METALS (13)				
1	1/25/08	1400	X			OFFTA-B2-B2	1	1	G		~~X~~	X														
2	↓	↓	X			-B4	1	1	G		~~X~~	X														
3	↓	↓	X			-OFB2	1	1	G		~~X~~	X														
4	↓	↓	X			OFFTA-WCB7	1/6	5	G	X	X				X		X	X	X							

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 2.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/25/08 1550	[signature]	1/25/08 1550	[signature]	1/25/08 16:27	[signature]	1-25-08 1627
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801349

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 05, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 29, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801349-01	Soil	OFFTA-B2-S4A
0801349-02	Soil	OFFTA-B2-B4A
0801349-03	Soil	OFFTA-WC08

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA83015-DUP1 **Relative percent difference for duplicate is outside of criteria.**
Barium, Chromium, Lead

BA83015-MS1 **Matrix Spike recovery is below lower control limit.**
Barium, Cadmium, Chromium, Lead

5035/8260B Volatile Organic Compounds / Methanol

BA83116-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-S4A
Date Sampled: 01/29/08 12:00
Percent Solids: 69
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-01
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	2330	mg/kg dry	53.0		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B4A
Date Sampled: 01/29/08 12:00
Percent Solids: 72
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-02
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**659**	mg/kg dry	51.8		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**23.3**	mg/kg dry	5.40	7060A	7	15	SVD	02/02/08	1.81	100
Barium	**208**	mg/kg dry	3.6	6010B	5500	1	JP	01/30/08	1.81	100
Cadmium	**6.86**	mg/kg dry	0.73	6010B	39	1	JP	01/30/08	1.81	100
Chromium	**68.9**	mg/kg dry	1.5	6010B	1400	1	JP	01/30/08	1.81	100
Lead	**4770**	mg/kg dry	145	6010B	150	20	JP	01/31/08	1.81	100
Mercury	**2.22**	mg/kg dry	0.434	7471A	23	10	KAB	02/02/08	0.6	40
Selenium	ND	mg/kg dry	7.3	6010B	390	1	JP	01/30/08	1.81	100
Silver	**1.93**	mg/kg dry	0.73	6010B	200	1	JP	01/30/08	1.81	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.161	0.0533	2.2	1	01/31/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0807	0.0210	540	1	01/31/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0807	0.0242	1.3	1	01/31/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0807	0.0258	3.6	1	01/31/08
1,1-Dichloroethane		ND	mg/kg dry	0.0807	0.0226	920	1	01/31/08
1,1-Dichloroethene		ND	mg/kg dry	0.0807	0.0194	0.2	1	01/31/08
1,1-Dichloropropene		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0807	0.0178	96	1	01/31/08
1,2,4-Trimethylbenzene		**0.124**	mg/kg dry	0.0807	0.0194		1	01/31/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.484	0.161	0.5	1	01/31/08
1,2-Dibromoethane		ND	mg/kg dry	0.0807	0.0178	0.01	1	01/31/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0178	510	1	01/31/08
1,2-Dichloroethane		ND	mg/kg dry	0.0807	0.0178	0.9	1	01/31/08
1,2-Dichloropropane		ND	mg/kg dry	0.0807	0.0226	1.9	1	01/31/08
1,3,5-Trimethylbenzene	J	**0.0274**	mg/kg dry	0.0807	0.0210		1	01/31/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0194	430	1	01/31/08
1,3-Dichloropropane		ND	mg/kg dry	0.0807	0.0161		1	01/31/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0210	27	1	01/31/08
1,4-Dioxane - Screen		ND	mg/kg dry	8.07	4.04		1	01/31/08
1-Chlorohexane		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
2,2-Dichloropropane		ND	mg/kg dry	0.161	0.0404		1	01/31/08
2-Butanone		ND	mg/kg dry	2.02	0.404	10000	1	01/31/08
2-Chlorotoluene		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
2-Hexanone		ND	mg/kg dry	0.807	0.113		1	01/31/08
4-Chlorotoluene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
4-Isopropyltoluene		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.807	0.113	1200	1	01/31/08
Acetone		ND	mg/kg dry	2.02	0.646	7800	1	01/31/08
Benzene		ND	mg/kg dry	0.0807	0.0242	2.5	1	01/31/08
Bromobenzene		ND	mg/kg dry	0.0807	0.0178		1	01/31/08
Bromochloromethane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Bromodichloromethane		ND	mg/kg dry	0.0807	0.0226	10	1	01/31/08
Bromoform		ND	mg/kg dry	0.0807	0.0258	81	1	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.161	0.0404	0.8	1	01/31/08
Carbon Disulfide		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Carbon Tetrachloride		ND	mg/kg dry	0.0807	0.0226	1.5	1	01/31/08
Chlorobenzene		ND	mg/kg dry	0.0807	0.0178	210	1	01/31/08
Chloroethane		ND	mg/kg dry	0.161	0.0533		1	01/31/08
Chloroform		ND	mg/kg dry	0.0807	0.0194	1.2	1	01/31/08
Chloromethane		ND	mg/kg dry	0.161	0.0258		1	01/31/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0807	0.0242	630	1	01/31/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0807	0.0178		1	01/31/08
Dibromochloromethane		ND	mg/kg dry	0.0807	0.0161	7.6	1	01/31/08
Dibromomethane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Diethyl Ether		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Di-isopropyl ether		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0807	0.0161		1	01/31/08
Ethylbenzene	J	**0.0420**	mg/kg dry	0.0807	0.0194	71	1	01/31/08
Hexachlorobutadiene		ND	mg/kg dry	0.0807	0.0258	8.2	1	01/31/08
Isopropylbenzene	J	**0.0355**	mg/kg dry	0.0807	0.0178	27	1	01/31/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0807	0.0194	390	1	01/31/08
Methylene Chloride		ND	mg/kg dry	0.404	0.0323	45	1	01/31/08
Naphthalene		**0.915**	mg/kg dry	0.0807	0.0242	54	1	01/31/08
n-Butylbenzene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
n-Propylbenzene		**0.0920**	mg/kg dry	0.0807	0.0210		1	01/31/08
sec-Butylbenzene		**0.102**	mg/kg dry	0.0807	0.0210		1	01/31/08
Styrene		ND	mg/kg dry	0.0807	0.0210	13	1	01/31/08
tert-Butylbenzene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Tetrachloroethene		ND	mg/kg dry	0.0807	0.0258	12	1	01/31/08
Tetrahydrofuran		ND	mg/kg dry	0.807	0.210		1	01/31/08
Toluene		ND	mg/kg dry	0.0807	0.0226	190	1	01/31/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0807	0.0258	1100	1	01/31/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Trichloroethene		ND	mg/kg dry	0.0807	0.0194	13	1	01/31/08
Trichlorofluoromethane		ND	mg/kg dry	0.0807	0.0226		1	01/31/08
Vinyl Acetate		ND	mg/kg dry	0.404	0.0323		1	01/31/08
Vinyl Chloride		ND	mg/kg dry	0.0807	0.0194	0.02	1	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0807	0.0161	110	1	01/31/08
Xylene P,M	ND	mg/kg dry	0.161	0.0404	110	1	01/31/08
Xylenes (Total)	ND	mg/kg dry	0.242		110	1	01/31/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*104 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2320**	mg/kg dry	48.6		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 20.2
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1221	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1232	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1242	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1248	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1254	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1260	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1262	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1268	ND	mg/kg dry	0.0651	10	1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*84 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*89 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*61 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*67 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	ND	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

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Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: *01/29/08 12:00*
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	ND	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	ND	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

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Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	ND	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*70 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*55 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: 2-Fluorophenol	*52 %*		*30-130*
Surrogate: Nitrobenzene-d5	*63 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*75 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA83015 - 3050B										
Blank										
Arsenic	ND	0.33	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	33.1	6.60	mg/kg wet	33.33		99	80-120			
Barium	33.0	3.3	mg/kg wet	33.33		99	80-120			
Cadmium	15.5	0.67	mg/kg wet	16.67		93	80-120			
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead	33.6	6.7	mg/kg wet	33.33		101	80-120			
Selenium	61.1	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup										
Arsenic	32.9	6.60	mg/kg wet	33.33		99	80-120	0.6	20	
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120	3	20	
Cadmium	15.0	0.67	mg/kg wet	16.67		90	80-120	4	20	
Chromium	32.3	1.3	mg/kg wet	33.33		97	80-120	3	20	
Lead	32.3	6.7	mg/kg wet	33.33		97	80-120	4	20	
Selenium	59.1	6.7	mg/kg wet	66.67		89	80-120	3	20	
Silver	15.8	0.67	mg/kg wet	16.67		95	80-120	3	20	
Duplicate **Source: 0801349-03**										
Arsenic	23.6	5.46	mg/kg dry		23.3			1	35	
Barium	141	3.7	mg/kg dry		208			39	35	D+
Cadmium	9.21	0.74	mg/kg dry		6.86			29	35	
Chromium	47.2	1.5	mg/kg dry		68.9			38	35	D+
Lead	2990	147	mg/kg dry		4770			46	35	D+
Selenium	4.86	7.4	mg/kg dry		5.59			14	35	
Silver	1.65	0.74	mg/kg dry		1.93			16	35	
Matrix Spike **Source: 0801349-03**										
Arsenic	54.3	7.24	mg/kg dry	36.55	23.3	85	75-125			
Barium	207	3.7	mg/kg dry	36.55	208	NR	75-125			M-
Cadmium	20.1	0.73	mg/kg dry	18.27	6.86	72	75-125			M-
Chromium	56.1	1.5	mg/kg dry	36.55	68.9	NR	75-125			M-
Lead	4260	146	mg/kg dry	36.55	4770	NR	75-125			M-
Selenium	63.4	7.3	mg/kg dry	73.10	5.59	79	75-125			
Silver	17.4	0.73	mg/kg dry	18.27	1.93	84	75-125			
Reference										
Arsenic	97.1	24.8	mg/kg wet	88.80		109	80.86-119.37			
Barium	404	5.0	mg/kg wet	427.0		95	82.67-117.33			
Cadmium	57.0	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	87.2	2.0	mg/kg wet	97.90		89	78.86-120.53			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA83015 - 3050B										
Lead	85.4	10.0	mg/kg wet	88.90		96	81.78-118.11			
Selenium	144	10.0	mg/kg wet	155.0		93	77.42-122.58			
Silver	76.9	1.00	mg/kg wet	81.60		94	66.3-133.58			
Batch BA83016 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.214	0.033	mg/kg wet	0.2000		107	80-120			
LCS Dup										
Mercury	0.216	0.033	mg/kg wet	0.2000		108	80-120	0.7	20	
Reference										
Mercury	4.23	0.330	mg/kg wet	4.470		95	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							

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Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.19*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
Surrogate: Dibromofluoromethane	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.28*		mg/kg wet	*2.500*		*91*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00		97	70-130			
1,1,1-Trichloroethane	24.2		ug/L	25.00		97	70-130			
1,1,2,2-Tetrachloroethane	24.7		ug/L	25.00		99	70-130			
1,1,2-Trichloroethane	24.4		ug/L	25.00		98	70-130			
1,1-Dichloroethane	23.4		ug/L	25.00		94	70-130			
1,1-Dichloroethene	26.3		ug/L	25.00		105	70-130			
1,1-Dichloropropene	24.2		ug/L	25.00		97	70-130			
1,2,3-Trichlorobenzene	24.0		ug/L	25.00		96	70-130			
1,2,3-Trichloropropane	22.6		ug/L	25.00		91	70-130			
1,2,4-Trichlorobenzene	25.3		ug/L	25.00		101	70-130			
1,2,4-Trimethylbenzene	25.1		ug/L	25.00		101	70-130			
1,2-Dibromo-3-Chloropropane	26.8		ug/L	25.00		107	70-130			
1,2-Dibromoethane	25.4		ug/L	25.00		101	70-130			
1,2-Dichlorobenzene	24.1		ug/L	25.00		96	70-130			
1,2-Dichloroethane	24.3		ug/L	25.00		97	70-130			
1,2-Dichloropropane	23.9		ug/L	25.00		95	70-130			
1,3,5-Trimethylbenzene	23.7		ug/L	25.00		95	70-130			
1,3-Dichlorobenzene	23.8		ug/L	25.00		95	70-130			
1,3-Dichloropropane	24.8		ug/L	25.00		99	70-130			
1,4-Dichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,4-Dioxane - Screen	604		ug/L	500.0		121	44-241			
1-Chlorohexane	24.2		ug/L	25.00		97	70-130			
2,2-Dichloropropane	23.0		ug/L	25.00		92	70-130			
2-Butanone	162		ug/L	125.0		130	70-130			
2-Chlorotoluene	23.5		ug/L	25.00		94	70-130			
2-Hexanone	149		ug/L	125.0		119	70-130			
4-Chlorotoluene	23.6		ug/L	25.00		94	70-130			
4-Isopropyltoluene	23.5		ug/L	25.00		94	70-130			
4-Methyl-2-Pentanone	141		ug/L	125.0		112	70-130			
Acetone	159		ug/L	125.0		128	70-130			
Benzene	23.3		ug/L	25.00		93	70-130			
Bromobenzene	24.1		ug/L	25.00		96	70-130			
Bromochloromethane	24.6		ug/L	25.00		98	70-130			
Bromodichloromethane	26.5		ug/L	25.00		106	70-130			
Bromoform	25.6		ug/L	25.00		102	70-130			
Bromomethane	26.2		ug/L	25.00		105	70-130			
Carbon Disulfide	25.0		ug/L	25.00		100	70-130			
Carbon Tetrachloride	25.0		ug/L	25.00		100	70-130			
Chlorobenzene	24.4		ug/L	25.00		98	70-130			
Chloroethane	24.5		ug/L	25.00		98	70-130			
Chloroform	23.6		ug/L	25.00		94	70-130			
Chloromethane	21.0		ug/L	25.00		84	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
cis-1,2-Dichloroethene	26.2		ug/L	25.00		105	70-130			
cis-1,3-Dichloropropene	24.6		ug/L	25.00		99	70-130			
Dibromochloromethane	26.1		ug/L	25.00		105	70-130			
Dibromomethane	24.9		ug/L	25.00		100	70-130			
Dichlorodifluoromethane	22.5		ug/L	25.00		90	70-130			
Diethyl Ether	26.9		ug/L	25.00		108	70-130			
Di-isopropyl ether	23.9		ug/L	25.00		96	70-130			
Ethyl tertiary-butyl ether	24.3		ug/L	25.00		97	70-130			
Ethylbenzene	24.1		ug/L	25.00		97	70-130			
Hexachlorobutadiene	23.0		ug/L	25.00		92	70-130			
Isopropylbenzene	21.4		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	25.1		ug/L	25.00		100	70-130			
Methylene Chloride	24.8		ug/L	25.00		99	70-130			
Naphthalene	25.6		ug/L	25.00		102	70-130			
n-Butylbenzene	26.9		ug/L	25.00		108	70-130			
n-Propylbenzene	24.6		ug/L	25.00		99	70-130			
sec-Butylbenzene	24.0		ug/L	25.00		96	70-130			
Styrene	24.7		ug/L	25.00		99	70-130			
tert-Butylbenzene	25.0		ug/L	25.00		100	70-130			
Tertiary-amyl methyl ether	25.1		ug/L	25.00		100	70-130			
Tetrachloroethene	22.5		ug/L	25.00		90	70-130			
Tetrahydrofuran	28.5		ug/L	25.00		114	70-130			
Toluene	24.1		ug/L	25.00		96	70-130			
trans-1,2-Dichloroethene	25.9		ug/L	25.00		104	70-130			
trans-1,3-Dichloropropene	22.9		ug/L	25.00		91	70-130			
Trichloroethene	24.4		ug/L	25.00		97	70-130			
Vinyl Acetate	23.0		ug/L	25.00		92	70-130			
Vinyl Chloride	30.2		ug/L	25.00		121	70-130			
Xylene O	24.3		ug/L	25.00		97	70-130			
Xylene P,M	48.6		ug/L	50.00		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.33*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Toluene-d8	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130	3	20	
1,1,2,2-Tetrachloroethane	24.9		ug/L	25.00		99	70-130	0.8	20	
1,1,2-Trichloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,1-Dichloroethane	24.2		ug/L	25.00		97	70-130	3	20	
1,1-Dichloroethene	27.2		ug/L	25.00		109	70-130	3	20	
1,1-Dichloropropene	24.7		ug/L	25.00		99	70-130	2	20	
1,2,3-Trichlorobenzene	25.4		ug/L	25.00		102	70-130	6	20	
1,2,3-Trichloropropane	23.0		ug/L	25.00		92	70-130	2	20	
1,2,4-Trichlorobenzene	26.3		ug/L	25.00		105	70-130	4	20	
1,2,4-Trimethylbenzene	25.9		ug/L	25.00		103	70-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
1,2-Dibromo-3-Chloropropane	26.3		ug/L	25.00		105	70-130	2	20	
1,2-Dibromoethane	25.6		ug/L	25.00		102	70-130	0.8	20	
1,2-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	2	20	
1,2-Dichloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,2-Dichloropropane	24.6		ug/L	25.00		98	70-130	3	20	
1,3,5-Trimethylbenzene	24.4		ug/L	25.00		97	70-130	3	20	
1,3-Dichlorobenzene	24.6		ug/L	25.00		98	70-130	3	20	
1,3-Dichloropropane	25.0		ug/L	25.00		100	70-130	0.6	20	
1,4-Dichlorobenzene	24.2		ug/L	25.00		97	70-130	2	20	
1,4-Dioxane - Screen	1070		ug/L	500.0		214	44-241	56	200	
1-Chlorohexane	24.4		ug/L	25.00		98	70-130	0.9	20	
2,2-Dichloropropane	23.7		ug/L	25.00		95	70-130	3	20	
2-Butanone	164		ug/L	125.0		131	70-130	1	20	B+
2-Chlorotoluene	23.8		ug/L	25.00		95	70-130	1	20	
2-Hexanone	149		ug/L	125.0		119	70-130	0.5	20	
4-Chlorotoluene	24.1		ug/L	25.00		96	70-130	2	20	
4-Isopropyltoluene	24.2		ug/L	25.00		97	70-130	3	20	
4-Methyl-2-Pentanone	142		ug/L	125.0		113	70-130	0.9	20	
Acetone	166		ug/L	125.0		133	70-130	4	20	B+
Benzene	24.0		ug/L	25.00		96	70-130	3	20	
Bromobenzene	24.5		ug/L	25.00		98	70-130	2	20	
Bromochloromethane	24.7		ug/L	25.00		99	70-130	0.4	20	
Bromodichloromethane	27.1		ug/L	25.00		108	70-130	2	20	
Bromoform	25.8		ug/L	25.00		103	70-130	0.9	20	
Bromomethane	27.6		ug/L	25.00		110	70-130	5	20	
Carbon Disulfide	26.5		ug/L	25.00		106	70-130	6	20	
Carbon Tetrachloride	25.9		ug/L	25.00		103	70-130	3	20	
Chlorobenzene	24.8		ug/L	25.00		99	70-130	1	20	
Chloroethane	25.0		ug/L	25.00		100	70-130	2	20	
Chloroform	24.4		ug/L	25.00		98	70-130	4	20	
Chloromethane	22.6		ug/L	25.00		90	70-130	7	20	
cis-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	3	20	
cis-1,3-Dichloropropene	25.2		ug/L	25.00		101	70-130	2	20	
Dibromochloromethane	26.5		ug/L	25.00		106	70-130	1	20	
Dibromomethane	25.1		ug/L	25.00		100	70-130	0.8	20	
Dichlorodifluoromethane	23.1		ug/L	25.00		92	70-130	3	20	
Diethyl Ether	27.0		ug/L	25.00		108	70-130	0.4	20	
Di-isopropyl ether	25.0		ug/L	25.00		100	70-130	4	20	
Ethyl tertiary-butyl ether	25.0		ug/L	25.00		100	70-130	3	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.9	20	
Hexachlorobutadiene	25.2		ug/L	25.00		101	70-130	9	20	
Isopropylbenzene	21.9		ug/L	25.00		88	70-130	3	20	
Methyl tert-Butyl Ether	25.8		ug/L	25.00		103	70-130	3	20	
Methylene Chloride	25.8		ug/L	25.00		103	70-130	4	20	
Naphthalene	27.8		ug/L	25.00		111	70-130	8	20	
n-Butylbenzene	27.9		ug/L	25.00		112	70-130	4	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
n-Propylbenzene	25.4		ug/L	25.00		102	70-130	3	20	
sec-Butylbenzene	24.7		ug/L	25.00		99	70-130	3	20	
Styrene	25.2		ug/L	25.00		101	70-130	2	20	
tert-Butylbenzene	25.6		ug/L	25.00		102	70-130	2	20	
Tertiary-amyl methyl ether	25.6		ug/L	25.00		102	70-130	2	20	
Tetrachloroethene	23.4		ug/L	25.00		94	70-130	4	20	
Tetrahydrofuran	27.3		ug/L	25.00		109	70-130	4	20	
Toluene	24.9		ug/L	25.00		100	70-130	3	20	
trans-1,2-Dichloroethene	26.8		ug/L	25.00		107	70-130	3	20	
trans-1,3-Dichloropropene	23.2		ug/L	25.00		93	70-130	1	20	
Trichloroethene	24.9		ug/L	25.00		99	70-130	2	20	
Vinyl Acetate	23.3		ug/L	25.00		93	70-130	1	20	
Vinyl Chloride	31.0		ug/L	25.00		124	70-130	3	20	
Xylene O	25.0		ug/L	25.00		100	70-130	3	20	
Xylene P,M	49.3		ug/L	50.00		99	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.36*		mg/kg wet	*2.500*		*94*	*70-130*			
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Docosane (C22)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Dodecane (C12)	2.80	0.26	mg/kg wet	2.500		112	40-140			
Eicosane (C20)	3.39	0.26	mg/kg wet	2.500		136	40-140			
Hexacosane (C26)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Hexadecane (C16)	3.06	0.26	mg/kg wet	2.500		122	40-140			
Nonadecane (C19)	3.40	0.26	mg/kg wet	2.500		136	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Octacosane (C28)	3.45	0.26	mg/kg wet	2.500		138	40-140			
Octadecane (C18)	3.24	0.26	mg/kg wet	2.500		129	40-140			
Tetracosane (C24)	3.51	0.26	mg/kg wet	2.500		140	40-140			
Tetradecane (C14)	2.93	0.26	mg/kg wet	2.500		117	40-140			
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.41	0.26	mg/kg wet	2.500		96	40-140	2	50	
Docosane (C22)	3.10	0.26	mg/kg wet	2.500		124	40-140	10	50	
Dodecane (C12)	2.72	0.26	mg/kg wet	2.500		109	40-140	3	50	
Eicosane (C20)	3.10	0.26	mg/kg wet	2.500		124	40-140	9	50	
Hexacosane (C26)	3.08	0.26	mg/kg wet	2.500		123	40-140	11	50	
Hexadecane (C16)	2.94	0.26	mg/kg wet	2.500		118	40-140	4	50	
Nonadecane (C19)	3.17	0.26	mg/kg wet	2.500		127	40-140	7	50	
Octacosane (C28)	3.09	0.26	mg/kg wet	2.500		124	40-140	11	50	
Octadecane (C18)	3.06	0.26	mg/kg wet	2.500		122	40-140	6	50	
Tetracosane (C24)	3.15	0.26	mg/kg wet	2.500		126	40-140	11	50	
Tetradecane (C14)	2.83	0.26	mg/kg wet	2.500		113	40-140	3	50	
Surrogate: O-Terphenyl	*4.49*		mg/kg wet	*5.000*		*90*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0218*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0204*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0226*		mg/kg wet	*0.02500*		*90*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.451	0.0500	mg/kg wet	0.5000		90	40-140			
Surrogate: Decachlorobiphenyl	*0.0236*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0244*		mg/kg wet	*0.02500*		*98*	*30-150*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
LCS Dup										
Aroclor 1016	0.442	0.0500	mg/kg wet	0.5000		88	40-140	3	50	
Aroclor 1260	0.443	0.0500	mg/kg wet	0.5000		89	40-140	2	50	
Surrogate: Decachlorobiphenyl	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0231*		mg/kg wet	*0.02500*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Matrix Spike Source: 0801349-03										
Aroclor 1016	0.464	0.0651	mg/kg dry	0.6514	ND	71	40-140			
Aroclor 1260	0.495	0.0651	mg/kg dry	0.6514	ND	76	40-140			
Surrogate: Decachlorobiphenyl	*0.0283*		mg/kg dry	*0.03257*		*87*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0299*		mg/kg dry	*0.03257*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0207*		mg/kg dry	*0.03257*		*64*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0223*		mg/kg dry	*0.03257*		*68*	*30-150*			
Matrix Spike Dup Source: 0801349-03										
Aroclor 1016	0.347	0.0655	mg/kg dry	0.6546	ND	53	40-140	29	50	
Aroclor 1260	0.372	0.0655	mg/kg dry	0.6546	ND	57	40-140	29	50	
Surrogate: Decachlorobiphenyl	*0.0217*		mg/kg dry	*0.03273*		*66*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0220*		mg/kg dry	*0.03273*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0145*		mg/kg dry	*0.03273*		*44*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0150*		mg/kg dry	*0.03273*		*46*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3'-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			

ESS Laboratory

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Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			

ESS Laboratory

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CERTIFICATE OF ANALYSIS

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Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3'-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____

Reporting Limits

ESS LAB PROJECT ID: 0801349

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____

Electronic Deliverable ✓ Yes ___ No

Is this project for any of the following:
MA-MCP Navy USACE Other _____

Format: Excel___ Access___ PDF✓ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TK&K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624	524.2	8021 MTBE/BTEX / 8015 GRO	VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs	EPH 4 Diesel	8081 Pesticides / 8082 PCB	608 Pesticides	608 PCB	8270 SVOA / 625	PAH 8270	RCRA5 / RCRA8	PP13 TAL23	TCLP-RCRA8	NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	1/29/08	1200	X			OFFTA-B2-S4A	1	1	G					X																	
2	↓	↓	↓			OFFTA-B2-B4A	1	1	G					X																	
3	↓	↓	↓			OFFTA-WC08	1/6	5	G	X				X			X			X	X	X									

Container Type: P-Poly G-Glass S-Sterile V-VOA

Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No

Internal Use Only

Seals Intact ___ Yes ___ No NA: ✓ [ ] Pickup

Cooler Temp: 7.5°C [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by: L. Kahrs

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/29/08	[signature]	1-29 1332	[signature]	1-29 0835	[signature]	1/29/08 15:35
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Ralph Banks	1/29/08 16:30	[signature]	1-29 08 16:30				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

AREA DESIGNATION **D1**

SIZE (linear feet)
Length 70 **Width 35** **Depth 1.5**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 1/31/08 to advance first portion of Area D to a total depth of 1.5 feet below grade. Bituminous material was removed from accessible areas beginning on 1/25/08. This material was stockpiled for recycling. All underlying soil was segregated clean (later sampled as WC-11).

Initial screening in Area D1 indicated all locations were below the 2500 ppm criteria, except sample D220-60, which indicated a screening result of 7635 ppm. However, laboratory results for this sample indicated 623 ppm.

Area D1 backfilled on 2/1/08.

EXCEPTIONS TO WORK PLAN (IF ANY)

None noted.

AREA DESIGNATION **D1**

SAMPLING SUMMARY

Soil Samples

Location
No suffix – Base sample (see diagram)
S – Sidewall sample (see diagram)
Note: Grid for this area based on line between MW-3S and MW-10S, with initial samples collected 160 feet NE from MW-3S and denoted with coordinates 160/80.

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
D1	D220-60	1.5	3550	623						
D1	D190-50	1.5	71	ND						MRL = 40.6 ppm
D1	D180-70	1.5	588	192						
D1	D190-60	1.5	324	92.6						
D1	D190-70	1.5	1125	266						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet)

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

Odors Present? Yes ☒ No ☐

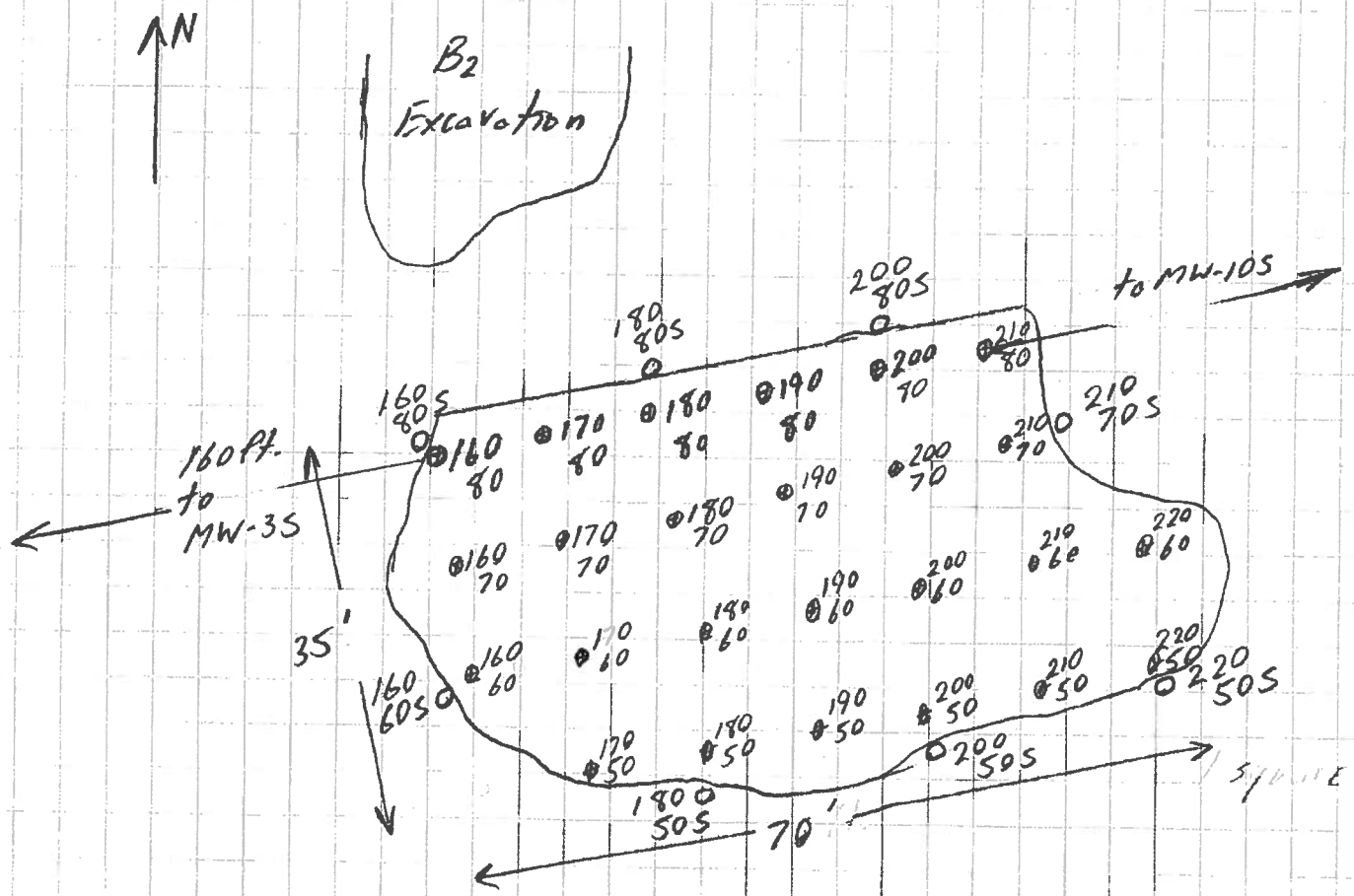
Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 150 CY (see attached calculation sheets)

Area D - 1st Excavation



Scale

1 square = 16 ft²

Explanation

190 50 — Base Sample

160 60S — Sidewall Sample

L. Kahrs
5/15/08

Area D - First Excavation

$35\,ft.(70\,ft.)(1.5\,ft.) = 3675\,ft^3\left(\frac{yd^3}{27\,ft^3}\right)$

$= 136\,yd^3(1.1\text{ expansion})$

$= 150\,yd^3$

Area D - Second Excavation

$25\,ft.(90\,ft.)(1.5\,ft.) = 3375\,ft^3\left(\frac{yd^3}{27\,ft^3}\right)$

$= 125\,yd^3(1.1\text{ expansion})$

$= 138\,yd^3$

Area D - Third Excavation

$12\,ft.(40\,ft.)(1.5\,ft.) = 720\,ft^3\left(\frac{yd^3}{27\,ft^3}\right)$

$= 27\,yd^3(1.1\text{ expansion})$

$= 29\,yd^3$

Area D

(18)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 1/31/08
Operator: L. Kahrs
Location: Newport DEFTA

Calibration Time/Date: 1430 1/31/08
Calibration Temperature: 21.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	D160-80S	10.0	1045 1/31/08	626	1	Rc=7		
2	D180-80S	10.0		257				
3	D210-70S	10.0		99				
4	D200-80S	10.0		134				
5	D200-50S	10.0		365				
6	D220-50S	10.0		517				
7	D180-50S	10.0		55				
8	D160-60S	10.0		575				
9	D160-60SD	10.0		see other sheet				
10	D220-60			EEEE				
11	D220-50			269				
12	D210-80			138				
13	D210-70			363				
14	D210-60			579				
15	D210-60(D)			388				
16	D210-50			108				
17	D200-80			115				
18	D200-70			532				
19	D200-60			254				
20	D200-50			115				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area D

15

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

-3

Date: 1/31/08
Operator: Ed Kurga
Location: FFTA

Calibration Time/Date: 1430 1/31/08
Calibration Temperature: 21.8

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	D190-80	10g		316		7		
2	D190-70			1125		7		
3	D190-60			324		7		
4	D190-50			71				
5	D180-80			994				
6	D180-70			588				
7	D180-60			652				
8	D180-50			20				
9	D170-80			~~994~~ 408				
10	D170-70			221				
11	D170-60			371				
12	D170-50			107				
13	D160-80			121				
14	D160-70			921				
15	D160-60			376				
16	Blank		1:56	0				
17	Standard			1000				
18	180-50(2)			47				
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area D
Area A remnant
WC

(7)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 1/31/08.
Operator: L. Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1/31/07
Calibration Temperature: 21.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	D160-605D ~~D220-60~~	10.0	3:00	1406	1	7	1406	
2	A-B1	1.0	3:01	205	10	7	2050	
3	A-B17	1.0	3:02	809	10	7	8090	
4	A-B2	1.0	3:02	99	10	7	990	
5	WC-09	2.0	3:03	EEEE	5	7	EEEE	
6	WC-10	2.0	3:03	EEEE	5	7	EEEE	
7	WC-11	10.0	3:04	323	1	7	323	
8	D220-60	2.0	3:05	710	5	7	3550	
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801382

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 05, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 31, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801382-01	Soil	OFFTA-A-B1
0801382-02	Soil	OFFTA-A-B2
0801382-03	Soil	OFFTA-A-B17
0801382-04	Soil	OFFTA-D-220-60
0801382-05	Soil	OFFTA-D-190-50
0801382-06	Soil	OFFTA-D-180-70
0801382-07	Soil	OFFTA-D-190-60
0801382-08	Soil	OFFTA-D-190-70

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801382

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B1
Date Sampled: 01/31/08 13:00
Percent Solids: 69
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**451**	mg/kg dry	53.5		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*92 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B2
Date Sampled: 01/31/08 13:00
Percent Solids: 82
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	321	mg/kg dry	45.3		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B17
Date Sampled: 01/31/08 13:00
Percent Solids: 68
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	3680	mg/kg dry	54.9		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*101 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-220-60
Date Sampled: 01/31/08 13:00
Percent Solids: 92
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	623	mg/kg dry	40.6		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*93 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-190-50
Date Sampled: 01/31/08 13:00
Percent Solids: 92
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	40.6		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*74 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-180-70
Date Sampled: 01/31/08 13:00
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**192**	mg/kg dry	39.9		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-190-60
Date Sampled: 01/31/08 13:00
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-07
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	92.6	mg/kg dry	39.9		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-190-70
Date Sampled: 01/31/08 13:00
Percent Solids: 94
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801382
ESS Laboratory Sample ID: 0801382-08
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/31/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**266**	mg/kg dry	39.5		1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801382

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA83132 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.60*		mg/kg wet	*5.000*		*72*	*40-140*			
LCS										
Decane (C10)	1.33	0.26	mg/kg wet	2.500		53	40-140			
Docosane (C22)	1.64	0.26	mg/kg wet	2.500		65	40-140			
Dodecane (C12)	1.41	0.26	mg/kg wet	2.500		56	40-140			
Eicosane (C20)	1.63	0.26	mg/kg wet	2.500		65	40-140			
Hexacosane (C26)	1.61	0.26	mg/kg wet	2.500		64	40-140			
Hexadecane (C16)	1.54	0.26	mg/kg wet	2.500		62	40-140			
Nonadecane (C19)	1.66	0.26	mg/kg wet	2.500		66	40-140			
Octacosane (C28)	1.63	0.26	mg/kg wet	2.500		65	40-140			
Octadecane (C18)	1.60	0.26	mg/kg wet	2.500		64	40-140			
Tetracosane (C24)	1.66	0.26	mg/kg wet	2.500		67	40-140			
Tetradecane (C14)	1.48	0.26	mg/kg wet	2.500		59	40-140			
Surrogate: O-Terphenyl	*3.21*		mg/kg wet	*5.000*		*64*	*40-140*			
LCS Dup										
Decane (C10)	1.41	0.26	mg/kg wet	2.500		56	40-140	6	50	
Docosane (C22)	1.68	0.26	mg/kg wet	2.500		67	40-140	3	50	
Dodecane (C12)	1.49	0.26	mg/kg wet	2.500		60	40-140	6	50	
Eicosane (C20)	1.69	0.26	mg/kg wet	2.500		68	40-140	4	50	
Hexacosane (C26)	1.65	0.26	mg/kg wet	2.500		66	40-140	3	50	
Hexadecane (C16)	1.58	0.26	mg/kg wet	2.500		63	40-140	3	50	
Nonadecane (C19)	1.74	0.26	mg/kg wet	2.500		69	40-140	5	50	
Octacosane (C28)	1.68	0.26	mg/kg wet	2.500		67	40-140	3	50	
Octadecane (C18)	1.68	0.26	mg/kg wet	2.500		67	40-140	5	50	
Tetracosane (C24)	1.71	0.26	mg/kg wet	2.500		68	40-140	3	50	
Tetradecane (C14)	1.55	0.26	mg/kg wet	2.500		62	40-140	4	50	
Surrogate: O-Terphenyl	*3.31*		mg/kg wet	*5.000*		*66*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801382

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801382

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #
State where samples were collected from: MA (RI) CT NH NJ NY ME Other
Is this project for any of the following: MA-MCP (Navy) USACE Other

Reporting Limits

ESS LAB PROJECT ID: 0801382

Electronic Deliverable ___ Yes ___ No
Format: Excel ___ Access ___ PDF ___ Other

Co. Name: TK & K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 524.2	8021 MTBE/BTEX / VPH w/targets	8100 TPH / 8015 GRO / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13	TCLP-RCRA8 / TAL23	MCP-METALS (13) / NBC7	MCP-METALS (13) w/Hg
1	1/31/08	1300	X			OFFTA-A-B1	1	1	G			X							
2	↓	↓	X			OFFTA-A-B2	1	1	G			X							
3	↓	↓	X			OFFTA-A-B17	1	1	G			X							
4	1/31/08	1300	X			OFFTA-D-220-60	1	1	G			X							
5	1/31/08	↓	X			OFFTA-D-190-50	↓	↓	↓			↓							
6	1/31/08	↓	X			OFFTA-D-180-70													
7	↓	↓	X			OFFTA-D-190-60													
8	↓	↓	X			OFFTA-D-190-70	↓	↓	↓			↓							

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.4°

Internal Use Only
[✓] Pickup
[ ] Technicians

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1-31-08	[signature]	1-31-08	[signature]	1-31-08	[signature]	1/31/08 1532
[signature]	1/31/08 1621	J. Davis	1-31-08 1621				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **D2**

SIZE (linear feet)
Length 25 **Width 90** **Depth 1.5**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/1/08 to advance second portion of Area D to a total depth of 1.5 feet below grade. Bituminous material was removed from accessible areas beginning on 1/25/08. This material was stockpiled for recycling. All underlying soil was segregated clean (later sampled as WC-11).

Initial screening in Area ~~D1~~ D2 JRF indicated all locations were below the 2500 ppm criteria.

Area ~~D1~~ D2 JRF backfilled on 2/1/08.

EXCEPTIONS TO WORK PLAN (IF ANY)

Screening sample D110-90 is a sidewall sample. No sidewall samples were collected along southern boundary of this excavation, due to the presence of the concrete pad to be removed at a later date.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION ~~D1~~ D2 JRF

SAMPLING SUMMARY

Soil Samples

Location
No suffix – Base sample (see diagram)
S – Sidewall sample (see diagram)
Note: Grid for this area based on line between MW-3S and MW-10S, with initial samples collected 160 feet NE from MW-3S and denoted with coordinates 160/80.

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

					ANALYTES (check off site analysis conducted)					Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
~~D1~~ D2	D60-100S	1.5	1362	242						
~~D1~~ D2	D70-90	1.5	1250	69.7						
~~D1~~ D2	D100-100	1.5	125	ND						MRL=38.3
~~D1~~ D2	D60-90	1.5	1116	200						
~~D1~~ D2	D100-90	1.5	133	53.9						

JRF

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet)

Depth to Bedrock (feet) N/A

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

Odors Present? Yes ☒ No ☐

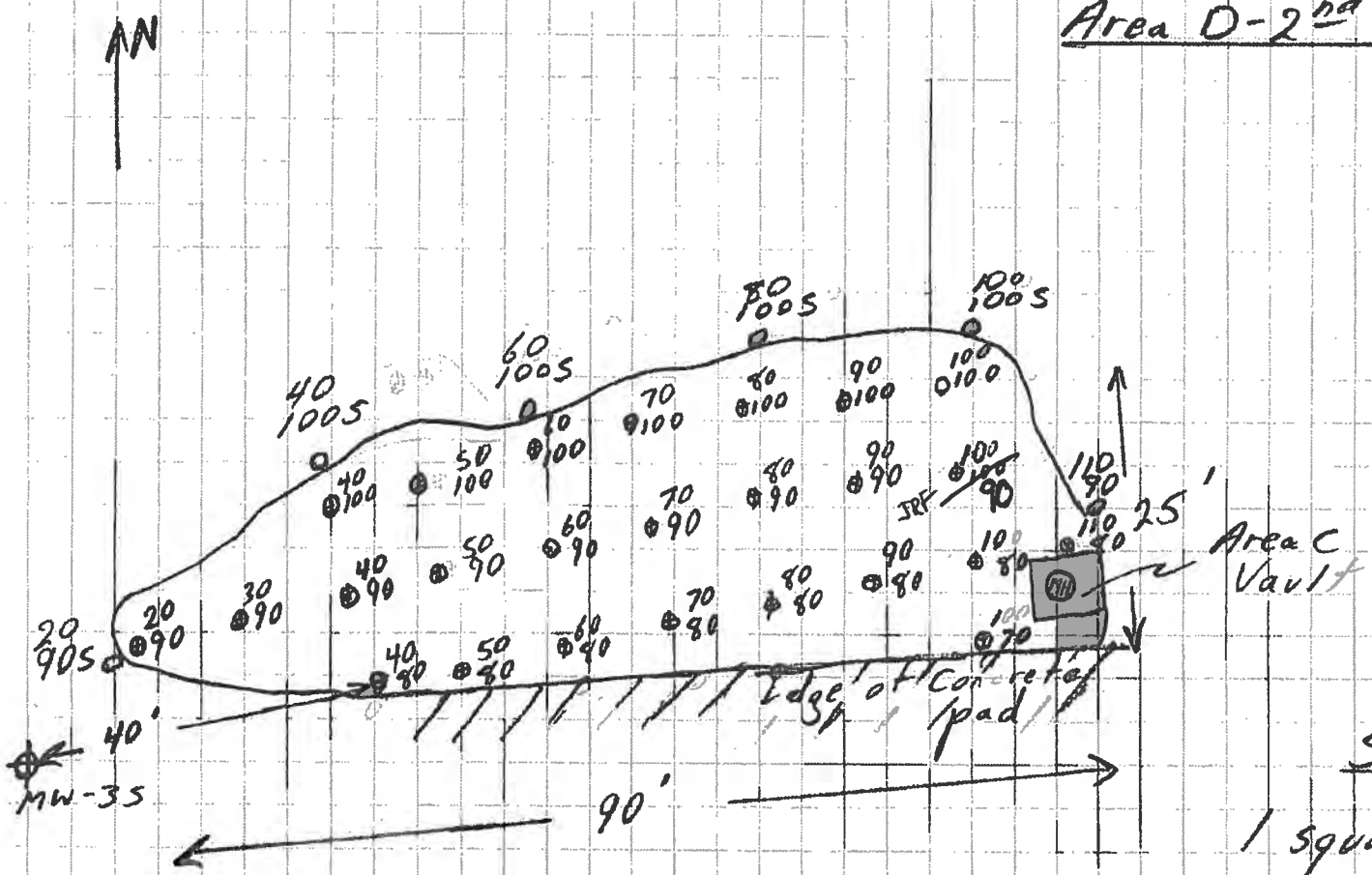
Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 138 CY (see attached calculation sheets)

Area D-2nd Excavation



Scale

1 square = 16 ft²

Explanation

100 / 80 — Base Sample

100 / 100S — Sidewall Sample

Area D - First Excavation

$$35\,ft.(70\,ft.)(1.5\,ft.) = 3675\,\cancel{ft^3}\left(\frac{yd^3}{27\,\cancel{ft^3}}\right)$$

$$= 136\,yd^3\,(1.1\text{ expansion})$$

$$= 150\,yd^3$$

Area D - Second Excavation

$$25\,ft.(90\,ft.)(1.5\,ft.) = 3375\,\cancel{ft^3}\left(\frac{yd^3}{27\,\cancel{ft^3}}\right)$$

$$= 125\,yd^3\,(1.1\text{ expansion})$$

$$= 138\,yd^3$$

Area D - Third Excavation

$$12\,ft.(40\,ft.)(1.5\,ft.) = 720\,\cancel{ft^3}\left(\frac{yd^3}{27\,\cancel{ft^3}}\right)$$

$$= 27\,yd^3\,(1.1\text{ expansion})$$

$$= 29\,yd^3$$

(18)

PetroFLAG®

AREA D
Sheet 1 of 3

Hydrocarbon Test Kit - Field Data Sheet -2

Date: 2/1/08 Calibration Time/Date: _____
Operator: E Kurja Calibration Temperature: _____
Location: Newport DEFTA

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	30-90	10g	10:50	1144	1	7		
2	30-100			863				
3	100-100S			96				
4	70-90			1250				
5	70-80			749				
6	20-90			721				
7	90-80			354				
8	110-80S			57				
9	90-70			313				
10	110-80			33				
11	110-90			244				
12	110-90(D)			177				
13	90-90			190				
14	90-100			65				
15	80-70			1211				
16	100-60S			432				
17	60-100			536				
18	60-100(D)			723				
19	80-80			589				
20	60-100S			1362				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(18)

Area D
1st dig

PetroFLAG®

Area D
page 2 of 3

Hydrocarbon Test Kit - Field Data Sheet

-2

Date: 2/1/08
Operator: E. Kurja
Location: Newport

Calibration Time/Date: 1000 2/1/08
Calibration Temperature: 21.0°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	80-90	10g		542	1	7		
2	70-100			1035				
3	60-90			1116				
4	100-70 (D)			530				
5	100-70			87				
6	100-90			133				
7	80-100S			331				
8	80-100			381				
9	100-80			40				
10	60-80			10				
11	50-100			17				
12	50-90			656				
13	40-80			221				
14	20-90S			232				
15	40-90			55				
16	40-100			1179				
17	40-100S			284				
18	40-100S (D)			245				
19	100-100			125				
20	B1-B5	2g		1219	5			

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802014

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 07, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 01, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802014-01	Soil	OFFTA-D-60-100s
0802014-02	Soil	OFFTA-D-70-90
0802014-03	Soil	OFFTA-D-100-100
0802014-04	Soil	OFFTA-D-60-90
0802014-05	Soil	OFFTA-D-100-90

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802014

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-60-100s
Date Sampled: 01/31/08 16:30
Percent Solids: 92
Initial Volume: 20.8
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802014
ESS Laboratory Sample ID: 0802014-01
Sample Matrix: Soil
Analyst: ML
Prepared: 02/02/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**242**	mg/kg dry	39.2		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*88 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-70-90
Date Sampled: 01/31/08 16:30
Percent Solids: 93
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802014
ESS Laboratory Sample ID: 0802014-02
Sample Matrix: Soil
Analyst: ML
Prepared: 02/02/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	69.7	mg/kg dry	40.1		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*91 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-100-100
Date Sampled: 01/31/08 16:30
Percent Solids: 95
Initial Volume: 20.6
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802014
ESS Laboratory Sample ID: 0802014-03
Sample Matrix: Soil
Analyst: ML
Prepared: 02/02/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	38.3		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-60-90
Date Sampled: 01/31/08 16:30
Percent Solids: 91
Initial Volume: 19.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802014
ESS Laboratory Sample ID: 0802014-04
Sample Matrix: Soil
Analyst: ML
Prepared: 02/02/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**200**	mg/kg dry	43.2		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-100-90
Date Sampled: 01/31/08 16:30
Percent Solids: 93
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802014
ESS Laboratory Sample ID: 0802014-05
Sample Matrix: Soil
Analyst: ML
Prepared: 02/02/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**53.9**	mg/kg dry	41.4		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802014

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80207 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.51*		mg/kg wet	*5.000*		*90*	*40-140*			
LCS										
Decane (C10)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Docosane (C22)	1.95	0.26	mg/kg wet	2.500		78	40-140			
Dodecane (C12)	1.88	0.26	mg/kg wet	2.500		75	40-140			
Eicosane (C20)	1.98	0.26	mg/kg wet	2.500		79	40-140			
Hexacosane (C26)	1.91	0.26	mg/kg wet	2.500		76	40-140			
Hexadecane (C16)	1.91	0.26	mg/kg wet	2.500		76	40-140			
Nonadecane (C19)	2.05	0.26	mg/kg wet	2.500		82	40-140			
Octacosane (C28)	1.94	0.26	mg/kg wet	2.500		78	40-140			
Octadecane (C18)	1.95	0.26	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	1.99	0.26	mg/kg wet	2.500		79	40-140			
Tetradecane (C14)	1.91	0.26	mg/kg wet	2.500		77	40-140			
Surrogate: O-Terphenyl	*3.82*		mg/kg wet	*5.000*		*76*	*40-140*			
LCS Dup										
Decane (C10)	2.09	0.26	mg/kg wet	2.500		84	40-140	18	50	
Docosane (C22)	2.48	0.26	mg/kg wet	2.500		99	40-140	24	50	
Dodecane (C12)	2.32	0.26	mg/kg wet	2.500		93	40-140	21	50	
Eicosane (C20)	2.52	0.26	mg/kg wet	2.500		101	40-140	24	50	
Hexacosane (C26)	2.43	0.26	mg/kg wet	2.500		97	40-140	24	50	
Hexadecane (C16)	2.42	0.26	mg/kg wet	2.500		97	40-140	24	50	
Nonadecane (C19)	2.58	0.26	mg/kg wet	2.500		103	40-140	23	50	
Octacosane (C28)	2.47	0.26	mg/kg wet	2.500		99	40-140	24	50	
Octadecane (C18)	2.46	0.26	mg/kg wet	2.500		99	40-140	23	50	
Tetracosane (C24)	2.52	0.26	mg/kg wet	2.500		101	40-140	24	50	
Tetradecane (C14)	2.40	0.26	mg/kg wet	2.500		96	40-140	23	50	
Surrogate: O-Terphenyl	*4.77*		mg/kg wet	*5.000*		*95*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802014

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802014

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other _____
If faster than 5 days, prior approval by laboratory is required # _____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0802014

Electronic Deliverable ___ Yes ___ No
Format: Excel__ Access__ PDF__ Other _____

Co. Name: TK & K
Project #: 1024
Project Name (20 Char. or less):
Contact Person: L Kahn
Address:
City: Seekonk State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahn@thielsch.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/ranges	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg
1	1/31/08	1630		X	S	OFFTA-D-60-100s	1	1	G			X						
2	↓	↓		X	S	OFFTA-D-70-90	↓	↓	↓			↓						
3				X	S	OFFTA-D-100-100												
4				X	S	OFFTA-D-60-90												
				X	S	OFFTA-D-100-90												
				JTD 2/4/08														

Corrected 2/4/08 L Kahn

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present (✓) Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 4.3

Internal Use Only
[ ] Pickup
[ ] Technicians _____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/4/08 1200	[signature]					
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/28/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other _____
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0802014

Electronic Deliverable ___ Yes ___ No
Format: Excel__ Access__ PDF__ Other _____

Co. Name: TK&K
Project #: 1024
Project Name (20 Char. or less):
Contact Person: L Kahrs
Address:
City: Scituate State: MA Zip: 02066
PO#:
Telephone #: (781) 545-7555
Fax #:
Email Address: lawrence.kahrs@thandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 524.2	624	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	1/31/08	1630		X	S	OFFTA-D-60-100S	1																	
2				X	S	OFFTA-D-70-90																		
3				X	S	OFFTA-D-100-100																		
4				X	S	OFFTA-D-60-90																		
5				X	S	OFFTA-D-100-90																		

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present (✓) Yes ___ No
Seals Intact ___ Yes ___ No NA: ___
Cooler Temp: 4.3

Internal Use Only
[ ] Pickup
[ ] Technicians____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/1/08 1200	*Wendy Thielsch	2-1-08 400pm	[signature]	2-1-08 400pm	J. Davis	2/1/08 1600
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **D3 and D4**

SIZE (linear feet)

D3	**Length 40**	**Width 12**	**Depth 1.5**
D4	**Length 28**	**Width 12**	**Depth 1.5**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/4/08 to advance third and fourth portions of Area D to a total depth of 1.5 feet below grade. Bituminous material was removed from accessible areas beginning on 1/25/08. This material was stockpiled for recycling. All underlying soil was segregated clean (later sampled as WC-12 and 13).

Initial screening in Area D3 and D4 indicated all locations were below the 2500 ppm criteria.

Areas D3 and D4 backfilled on 2/7/08.

EXCEPTIONS TO WORK PLAN (IF ANY)

None noted.

AREA DESIGNATION **D3 and D4**

SAMPLING SUMMARY

Soil Samples

Location
No suffix – Base sample (see diagram)
S – Sidewall sample (see diagram)
Note: Grid for this area based on line between MW-3S and MW-10S, with initial samples collected 160 feet NE from MW-3S and denoted with coordinates 160/80.

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
D3	D180-40	1.5	22	ND						MRL=41.2
D4	D110-60	1.5	178	109						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet)

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

Odors Present? Yes ☒ No ☐

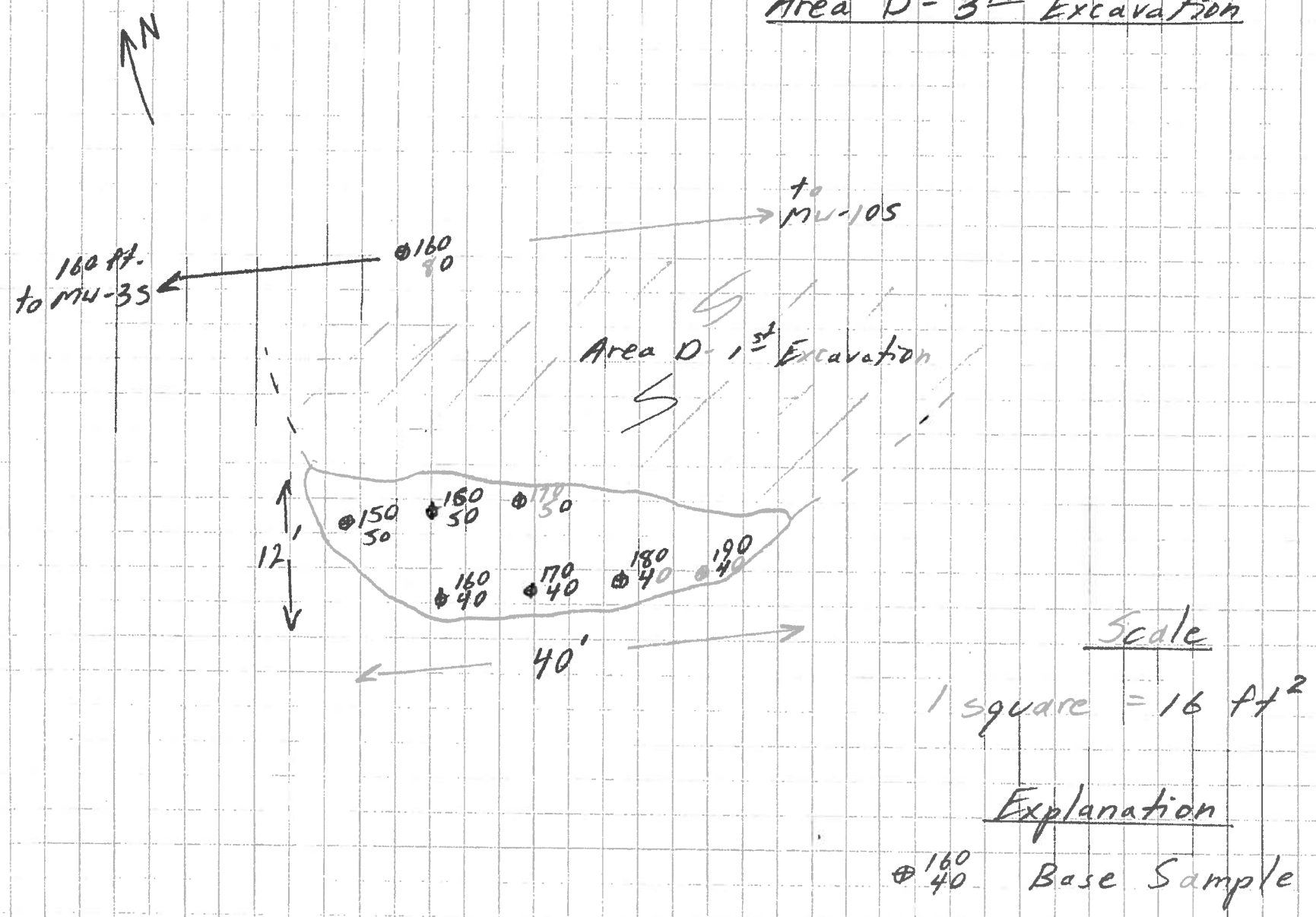
Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

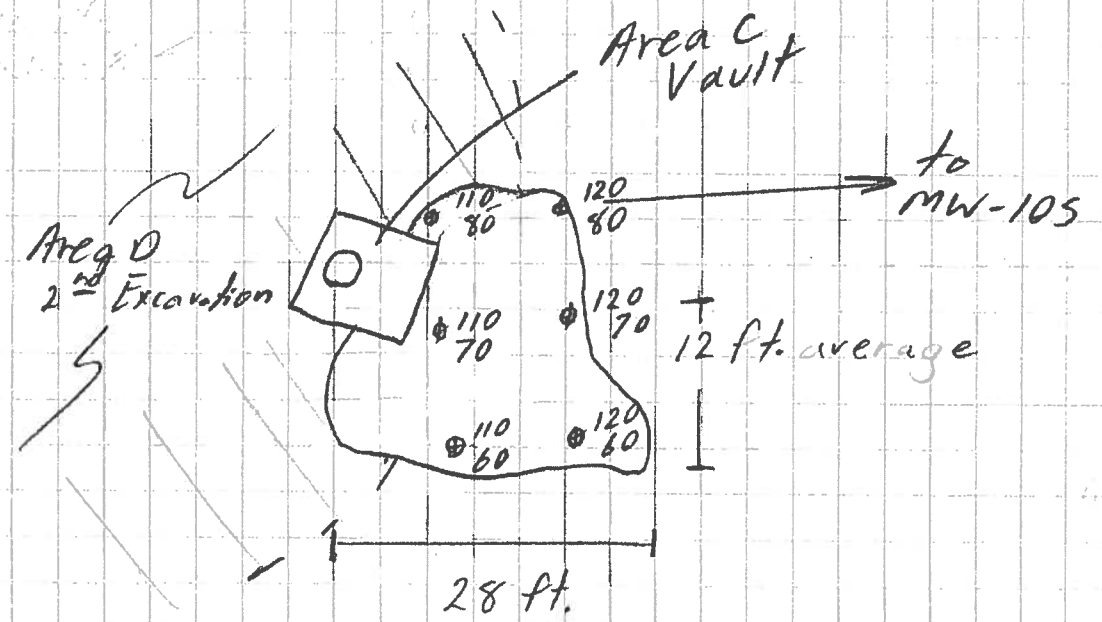
Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 50 CY (see attached calculation sheets)

Area D - 3rd Excavation



Area D - 4th Excavation



Scale

1 square = 16 ft^2

Explanation

110
80 Base Sample

Area D - First Excavation

$35 ft.(70 ft.)(1.5 ft.) = 3675 \cancel{ft^3}\left(\frac{yd^3}{27 \cancel{ft^3}}\right)$

$= 136 yd^3 (1.1 \text{ expansion})$

$= 150 yd^3$

Area D - Second Excavation

$25 ft.(90 ft.)(1.5 ft.) = 3375 \cancel{ft^3}\left(\frac{yd^3}{27 \cancel{ft^3}}\right)$

$= 125 yd^3 (1.1 \text{ expansion})$

$= 138 yd^3$

Area D - Third Excavation

$12 ft.(40 ft.)(1.5 ft.) = 720 \cancel{ft^3}\left(\frac{yd^3}{27 \cancel{ft^3}}\right)$

$= 27 yd^3 (1.1 \text{ expansion})$

$= 29 yd^3$

Area D - Fourth Excavation

$12 ft.(28 ft.)(1.5 ft.) = 504 \cancel{ft^3}\left(\frac{yd^3}{27 \cancel{ft^3}}\right)$

$= 19 yd^3 (1.1 \text{ expansion})$

$= 21 yd^3$

Area D

(14)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/4/08
Operator: L Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1438 2/4/08
Calibration Temperature: 19.9°C

Third Area

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	150-50	10.0		33	1	7		
2	160-50	10.0		Ø				
3	170-50	10.0		43				
4	160-40	10.0		Ø				
5	170-40	10.0		15				
6	180-40	10.0		22				
7	190-40	10.0		9				
8	190-40D	10.0		9				
9	110-70	10.0		153				
10	120-70	10.0		58				
11	110-60	10.0		178				
12	120-60	10.0		55				
13	WC-12	10.0		169				
14	WC-13	10.0		60				
15	Blank		1438	Ø				
16	Std.		2/4/08	1000				
17	150-50S	10.0		144				
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802035

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 07, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 05, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802035-01	Soil	OFFTA-D-180-40
0802035-02	Soil	OFFTA-D-110-60
0802035-03	Soil	OFFTA-WC-12
0802035-04	Soil	OFFTA-WC-13

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-180-40
Date Sampled: 02/04/08 11:30
Percent Solids: 91
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-01
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	41.2		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*77 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-110-60
Date Sampled: 02/04/08 11:30
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-02
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**109**	mg/kg dry	39.9		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-12
Date Sampled: 02/04/08 11:30
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-03
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**95.0**	*mg/kg dry*	39.9		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-13
Date Sampled: 02/04/08 11:30
Percent Solids: 91
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-04
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**65.0**	mg/kg dry	40.4		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*92 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80514 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.37*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	1.39	0.26	mg/kg wet	2.500		55	40-140			
Docosane (C22)	1.72	0.26	mg/kg wet	2.500		69	40-140			
Dodecane (C12)	1.57	0.26	mg/kg wet	2.500		63	40-140			
Eicosane (C20)	1.71	0.26	mg/kg wet	2.500		69	40-140			
Hexacosane (C26)	1.69	0.26	mg/kg wet	2.500		68	40-140			
Hexadecane (C16)	1.66	0.26	mg/kg wet	2.500		66	40-140			
Nonadecane (C19)	1.79	0.26	mg/kg wet	2.500		71	40-140			
Octacosane (C28)	1.71	0.26	mg/kg wet	2.500		68	40-140			
Octadecane (C18)	1.68	0.26	mg/kg wet	2.500		67	40-140			
Tetracosane (C24)	1.76	0.26	mg/kg wet	2.500		70	40-140			
Tetradecane (C14)	1.64	0.26	mg/kg wet	2.500		65	40-140			
Surrogate: O-Terphenyl	*3.49*		mg/kg wet	*5.000*		*70*	*40-140*			
LCS Dup										
Decane (C10)	1.79	0.26	mg/kg wet	2.500		72	40-140	26	50	
Docosane (C22)	2.05	0.26	mg/kg wet	2.500		82	40-140	18	50	
Dodecane (C12)	1.94	0.26	mg/kg wet	2.500		78	40-140	21	50	
Eicosane (C20)	2.10	0.26	mg/kg wet	2.500		84	40-140	20	50	
Hexacosane (C26)	2.02	0.26	mg/kg wet	2.500		81	40-140	17	50	
Hexadecane (C16)	2.03	0.26	mg/kg wet	2.500		81	40-140	20	50	
Nonadecane (C19)	2.17	0.26	mg/kg wet	2.500		87	40-140	19	50	
Octacosane (C28)	2.03	0.26	mg/kg wet	2.500		81	40-140	17	50	
Octadecane (C18)	2.06	0.26	mg/kg wet	2.500		82	40-140	20	50	
Tetracosane (C24)	2.09	0.26	mg/kg wet	2.500		84	40-140	17	50	
Tetradecane (C14)	2.04	0.26	mg/kg wet	2.500		82	40-140	22	50	
Surrogate: O-Terphenyl	*4.08*		mg/kg wet	*5.000*		*82*	*40-140*			
Matrix Spike **Source: 0802035-04**										
Decane (C10)	1.46	0.28	mg/kg dry	2.720	ND	54	40-140			
Docosane (C22)	1.88	0.28	mg/kg dry	2.720	ND	69	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80514 - 3541										
Dodecane (C12)	1.61	0.28	mg/kg dry	2.720	ND	59	40-140			
Eicosane (C20)	1.91	0.28	mg/kg dry	2.720	ND	70	40-140			
Hexacosane (C26)	1.85	0.28	mg/kg dry	2.720	ND	68	40-140			
Hexadecane (C16)	1.78	0.28	mg/kg dry	2.720	ND	66	40-140			
Nonadecane (C19)	2.00	0.28	mg/kg dry	2.720	ND	73	40-140			
Octacosane (C28)	1.87	0.28	mg/kg dry	2.720	ND	69	40-140			
Octadecane (C18)	1.85	0.28	mg/kg dry	2.720	ND	68	40-140			
Tetracosane (C24)	1.90	0.28	mg/kg dry	2.720	ND	70	40-140			
Tetradecane (C14)	1.62	0.28	mg/kg dry	2.720	ND	60	40-140			
Surrogate: O-Terphenyl	*3.85*		mg/kg dry	*5.440*		*71*	*40-140*			
Matrix Spike Dup Source: 0802035-04										
Decane (C10)	1.67	0.28	mg/kg dry	2.734	ND	61	40-140	13	50	
Docosane (C22)	2.36	0.28	mg/kg dry	2.734	ND	86	40-140	23	50	
Dodecane (C12)	1.95	0.28	mg/kg dry	2.734	ND	71	40-140	19	50	
Eicosane (C20)	2.40	0.28	mg/kg dry	2.734	ND	88	40-140	22	50	
Hexacosane (C26)	2.29	0.28	mg/kg dry	2.734	ND	84	40-140	21	50	
Hexadecane (C16)	2.24	0.28	mg/kg dry	2.734	ND	82	40-140	23	50	
Nonadecane (C19)	2.56	0.28	mg/kg dry	2.734	ND	94	40-140	25	50	
Octacosane (C28)	2.31	0.28	mg/kg dry	2.734	ND	85	40-140	21	50	
Octadecane (C18)	2.31	0.28	mg/kg dry	2.734	ND	84	40-140	22	50	
Tetracosane (C24)	2.34	0.28	mg/kg dry	2.734	ND	86	40-140	21	50	
Tetradecane (C14)	2.07	0.28	mg/kg dry	2.734	ND	76	40-140	24	50	
Surrogate: O-Terphenyl	*4.74*		mg/kg dry	*5.467*		*87*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Jena E Paola

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Tuesday, February 05, 2008 1:59 PM
To: Jena E Paola
Subject: RE: Sample ID on Chain vs bottle

08020365

Jena,

The fourth sample on the COC should read OFFTA-WC-13. Thanks for catching this and sorry for the confusion.

Thanks,

Larry

TK&K SERVICES
Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Jena E Paola [mailto:JPaola@thielsch.com]
Sent: Tuesday, February 05, 2008 1:34 PM
To: lawrence.kahrs@tkandk.com
Subject: Sample ID on Chain vs bottle

Hi Larry,

Please see the attached Chain for reference. On the labels on the bottles, we have one sample that is labeled WC-13. The Chain lists two samples as WC-12. I want to make sure we are logging this project in with the correct sample IDs. Should the fourth sample on the Chain read OFFTA-WC-13? Let me know when you have a chance. Please contact us with any questions.

Thank you,

Jena Paola
ESS Laboratory
Project Manager
401-461-7181 phone
401-461-4486 fax

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 08020035

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF___ Other _____

Co. Name: TKSK
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahn
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066
PO#:
Telephone #: (781) 545-7555
Fax #:
Email Address: lawrence.kahn@tksk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13	TCLP-RCRA8 / TAL23	MCP-METALS (13) / NBC7	MCP-METALS (13) w/Hg					
1	2/4/08	1130	X			OFFTA-D-180-40	1	1	G			X												
2	↓	↓	↓			OFFTA-D-110-60	1	1	G			↓												
3						OFFTA-WC-12	1	1	G															
4						OFFTA-WC-12	1	1	G															

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.4°
Internal Use Only [✓] Pickup [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/5/08 1000	[signature]	2/5/08 1000	[signature]	2/5/08 10:42	[signature]	2-5-08 1042
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **D5 (beneath concrete pad)**

SIZE (linear feet)

Length 74 **Width 50** **Depth 1.5**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/21/08 to advance final portions of Area D to a total depth of 1.5 feet below grade. Concrete and Bituminous material was completed on 2/13/08. This material was stockpiled for recycling. All underlying soil was segregated clean (later sampled as WC-12 and 13).

Initial screening in Area D5 beneath concrete pad indicated all locations were below the 2500 ppm criteria.

EXCEPTIONS TO WORK PLAN (IF ANY)

None noted.

AREA DESIGNATION **D5 (beneath concrete pad)**

SAMPLING SUMMARY

Soil Samples

Location
No suffix – Base sample (see diagram)
SW – Sidewall sample (see diagram)
Note: Grid for this area based on line between MW-3S and MW-10S, with initial samples collected 160 feet NE from MW-3S and denoted with coordinates 160/80.

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
D5	D50-60	1.5	1172	314	3.25						
D5	D70-80	1.5	880	156	2.12						
D5	D60-70	!.5	1461	332	3.91						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **N/A**

Depth to Bedrock (feet) **N/A**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

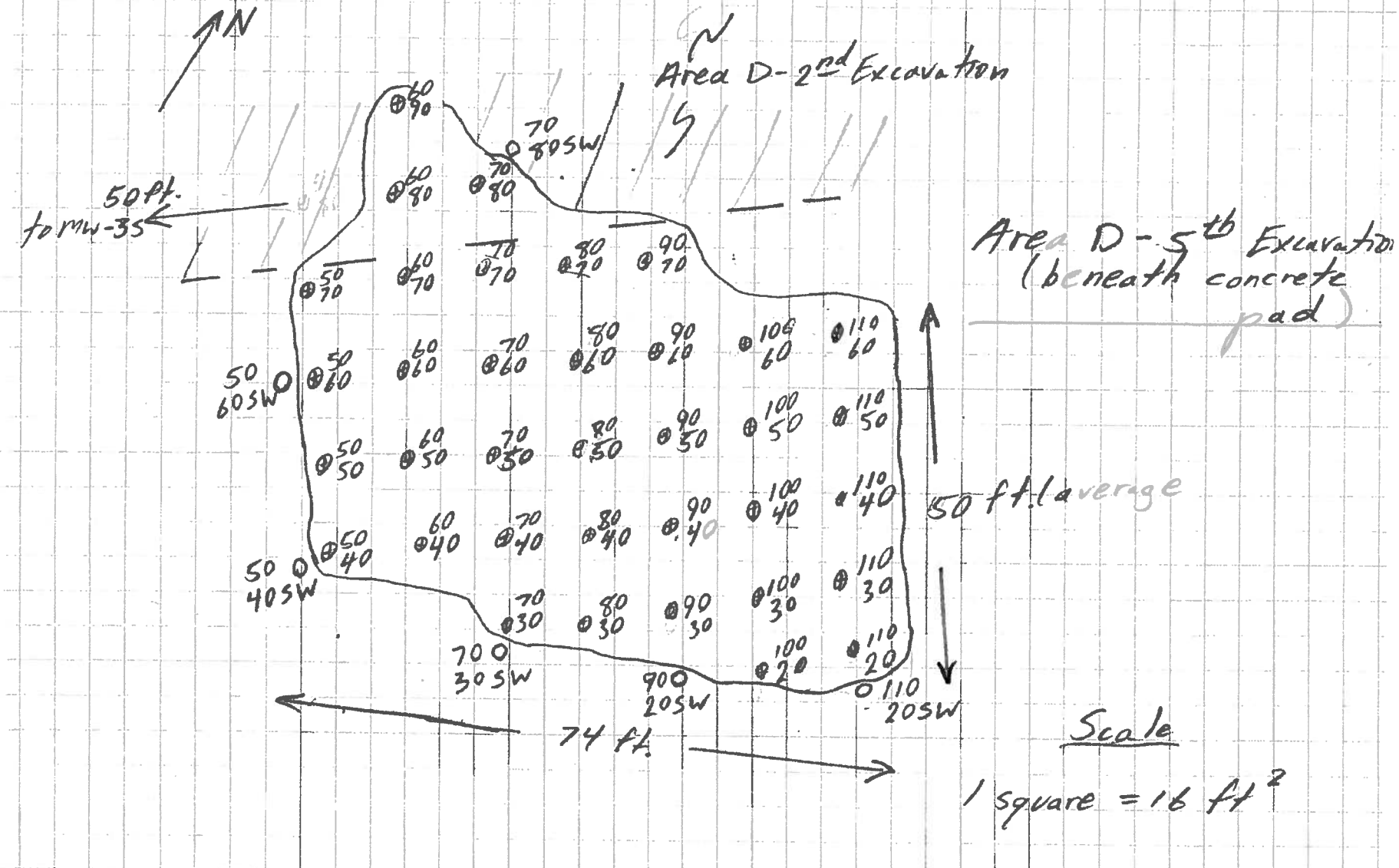
Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 229 CY (see attached calculation sheets)



L. Kahrs

5/15/08

Area D - Fifth Excavation
(beneath concrete pad)

$$50\ ft.(74\ ft.)(1.5\ ft.) = 5625\ ft^3\left(\frac{yd^3}{27\ ft^3}\right)$$

$$= 208\ yd^3(1.1\ \text{expansion})$$

$$= 229\ yd^3$$

Total Area D =

Area	yd^3
D1	150
D2	125
D3	29
D4	21
D5	229

Total D = 554 yd^3 removed

(14)

PetroFLAG ® AREA D Location 4
page 1 of 3

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/21/08
Operator: Ed Kurg
Location:

Calibration Time/Date: 22.2C
Calibration Temperature:

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	10g	2/21/08 3:58	0	1	7		
2	STANDARD	—	2/21/08 3:59	1000				
3	70 70	10g		575			575	
4	50 70			930				
5	50 40 SW			195				
6	50 50			15				
7	50 40			131				
8	50 60 SW			256				
9	50 60			1172				
10	60 40			136				
11	110 20 SW			108				
12	110 20 SW(D)			49				
13	STANDARD			1000				
14	Blank			0				
15	60 40 (D)			188				
16	110 20			0				
17	110 20 (D)			30				
18	70 50			1462				
19	100 30 (D)			139				
20	70 60			1079				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(15)

PetroFLAG®

AREA D Location 4
page 2 of 3

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/21/08
Operator: Ed Kings
Location:

Calibration Time/Date: ~~22.2c~~ 2/21/08
Calibration Temperature: 22.2c

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	70 40	10g	2/21/08 4:10	153				
2	100 30			110				
3	~~110 20~~			~~46~~				EXTRA SAMPLE RUN
4	BLANK		4:42	0				
5	Standard			1000				
6	90 30			121				
7	70 30 SW			24				
8	80 40			874				
9	90 40			32				
10	80 60			320				
11	90 50			83				
12	60 60			353				
13	60 80			163				
14	100 60			80				
15	100 40			274				
16	90 60			108				
17	90 70			224				
18	BLANK			0				
19	Standard			1000				
20	100 50			129.				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

Area Location 4 (15)
Page 3 of 3

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/21/08
Operator: Ed Kuga
Location:

Calibration Time/Date: 2/21/08
Calibration Temperature: 22.2c

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	70 80SW	10 g		1234				
2	90 20SW			28				
3	70 30			120				
4	110 50			105				
5	110 30			282				
6	110 60			3				
7	70 80			880				
8	60 70			1461				
9	80 50			191				
10	110 40			128				
11	80 80			468				
12	80 30			64				
13	80 70			804				
14	60 50			1367				
15	~~[illegible]~~ D4-01			443				CHSY PILE FROM D4
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802257

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 29, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 25, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802257-01	Soil	OFFTA 50-60
0802257-02	Soil	OFFTA 70-80
0802257-03	Soil	OFFTA 60-70
0802257-04	Soil	OFFTA D4-01
0802257-05	Solid	Air-1-OFFTA

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802257

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 50-60
Date Sampled: 02/21/08 14:30
Percent Solids: 90
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	314	mg/kg dry	41.1		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 50-60
Date Sampled: 02/21/08 14:30
Percent Solids: 90
Initial Volume: 11.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-01
Sample Matrix: Soil
Analyst: MD
Prepared: 02/26/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**3.25**	mg/kg dry	1.92		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*125 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*98 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 70-80
Date Sampled: 02/21/08 14:30
Percent Solids: 90
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	156	mg/kg dry	40.8		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*99 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 70-80
Date Sampled: 02/21/08 14:30
Percent Solids: 90
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-02
Sample Matrix: Soil
Analyst: MD
Prepared: 02/26/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**2.12**	mg/kg dry	1.51		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*121 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*84 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 60-70
Date Sampled: 02/21/08 14:30
Percent Solids: 89
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**332**	mg/kg dry	41.9		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA 60-70
Date Sampled: 02/21/08 14:30
Percent Solids: 89
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-03
Sample Matrix: Soil
Analyst: MD
Prepared: 02/26/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	3.91	mg/kg dry	1.56		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*121 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*92 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA D4-01
Date Sampled: 02/21/08 14:30
Percent Solids: 91
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**142**	mg/kg dry	40.4		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA D4-01
Date Sampled: 02/21/08 14:30
Percent Solids: 91
Initial Volume: 15.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-04
Sample Matrix: Soil
Analyst: MD
Prepared: 02/26/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**2.28**	mg/kg dry	1.49		1	02/27/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*129 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*126 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Air-1-OFFTA
Date Sampled: 02/21/08 13:05
Percent Solids: N/A

ESS Laboratory Work Order: 0802257
ESS Laboratory Sample ID: 0802257-05
Sample Matrix: Solid

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/kg wet	1.3	6010B		1	KAB	02/27/08	1.5	20

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802257

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BB82718 - 3050B										
Blank										
Lead	ND	1.3	mg/kg wet							
LCS										
Lead	6.36	1.3	mg/kg wet	6.667		95	80-120			
LCS Dup										
Lead	6.46	1.3	mg/kg wet	6.667		97	80-120	2	20	
8015M Diesel Range Organics										
Batch BB82624 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.07*		mg/kg wet	*5.000*		*61*	*40-140*			
LCS										
Decane (C10)	1.65	0.26	mg/kg wet	2.500		66	40-140			
Docosane (C22)	1.90	0.26	mg/kg wet	2.500		76	40-140			
Dodecane (C12)	1.68	0.26	mg/kg wet	2.500		67	40-140			
Eicosane (C20)	1.88	0.26	mg/kg wet	2.500		75	40-140			
Hexacosane (C26)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Hexadecane (C16)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Nonadecane (C19)	1.85	0.26	mg/kg wet	2.500		74	40-140			
Octacosane (C28)	1.96	0.26	mg/kg wet	2.500		78	40-140			
Octadecane (C18)	1.79	0.26	mg/kg wet	2.500		72	40-140			
Tetracosane (C24)	2.01	0.26	mg/kg wet	2.500		80	40-140			
Tetradecane (C14)	1.72	0.26	mg/kg wet	2.500		69	40-140			
Surrogate: O-Terphenyl	*2.93*		mg/kg wet	*5.000*		*59*	*40-140*			
LCS Dup										
Decane (C10)	1.98	0.26	mg/kg wet	2.500		79	40-140	18	50	
Docosane (C22)	2.31	0.26	mg/kg wet	2.500		92	40-140	19	50	
Dodecane (C12)	2.04	0.26	mg/kg wet	2.500		82	40-140	20	50	
Eicosane (C20)	2.30	0.26	mg/kg wet	2.500		92	40-140	20	50	
Hexacosane (C26)	2.30	0.26	mg/kg wet	2.500		92	40-140	19	50	
Hexadecane (C16)	2.15	0.26	mg/kg wet	2.500		86	40-140	21	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802257

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB82624 - 3541										
Nonadecane (C19)	2.08	0.26	mg/kg wet	2.500		83	40-140	12	50	
Octacosane (C28)	2.37	0.26	mg/kg wet	2.500		95	40-140	19	50	
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		88	40-140	21	50	
Tetracosane (C24)	2.36	0.26	mg/kg wet	2.500		94	40-140	16	50	
Tetradecane (C14)	2.09	0.26	mg/kg wet	2.500		84	40-140	19	50	
Surrogate: O-Terphenyl	*3.59*		mg/kg wet	*5.000*		*72*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BB82630 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*51.8*		ug/L	*50.00*		*104*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.14*		mg/kg wet	*1.333*		*86*	*70-130*			
LCS										
Gasoline Range Organics	466		ug/L	500.0		93	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*53.7*		ug/L	*50.00*		*107*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.33*		mg/kg wet	*1.333*		*99*	*70-130*			
LCS Dup										
Gasoline Range Organics	468		ug/L	500.0		94	60-140	0.6	20	
Surrogate: 2,5-Dibromotoluene - FID	*52.4*		ug/L	*50.00*		*105*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.35*		mg/kg wet	*1.333*		*101*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802257

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802257

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ✓ Standard Other _____
If faster than 5 days, prior approval by laboratory is required #_____

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____

Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0802257

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF ✓ Other _____

Co. Name: TK&K SERVICES
Project #: 1024
Project Name (20 Char. or less):
Contact Person: L KAHRS
Address:
City: SCITUATE State: MA Zip: 02066 PO#:
Telephone #: Fax #: Email Address:

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	Total Lead - Field Filtered				
1	2/21/08	1430	X		S	OFFTA 50-60		2	6		X	X											
2	↓	↓	X		S	OFFTA 70-80		2	6		X	X											
3	↓	↓	X		S	OFFTA 60-70		2	6		X	X											
4	↓	↓	X		S	OFFTA D4-01		2	6		X	X											
5	↓	1230-305	X		SO	AIR-1-OFFTA		1											✓				
				JTD																			
				2-25-08																			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No Internal Use Only
Seals Intact ___ Yes ___ No NA: ✓ [✓] Pickup
Cooler Temp: 4.4°
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/25/08 1330	[signature]	2/25/08 1330	[signature]	2/25/08 1417	[signature]	2/25/08 1417
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **F1**

SIZE (linear feet)

Length 25 **Width 10** **Depth 5**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/7/08 to excavate Area F1. Encountered shallow cable at approximately 6 inches beneath grade in southern portion of excavation (later identified as Cox Cable). Apparent bedrock surface also encountered in this portion of excavation at approximately 2 feet below grade. Encountered 6 inch diameter steel pipe running north-south at approximately 4 feet below grade. This pipe joined with a gate valve to a 12 inch diameter steel pipe running east-west about 16 linear feet from southern edge of test pit. No evidence of contamination and piping thought to be water line leading to former hydrant off 6 inch.

Soil samples collected from beneath 6 inch pipe, topsoil and backfill stockpiles. Initial screening in Area F1 indicated all samples were below the 2500 ppm criteria.

EXCEPTIONS TO WORK PLAN (IF ANY)

Stockpile samples screened, but not sent off-site for laboratory analysis. Test pit field compacted with excavator bucket per discussion with B. Smith. Organic material (shrub) removed from Area F1 and staged for disposal.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **F1**

SAMPLING SUMMARY

Soil Samples

Location
Soil sample (see diagram)

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
F1	01	4.0	12	49.9	NA						GRO not yet specified
F1	02		18	NA	NA						no off-site analysis
F1	03		68	NA	NA						no off-site analysis

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **NA**

Depth to Bedrock (feet) **2.0 in southern portion**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt - Bedrock is weathered shale**

Odors Present? Yes ☐ No ☒

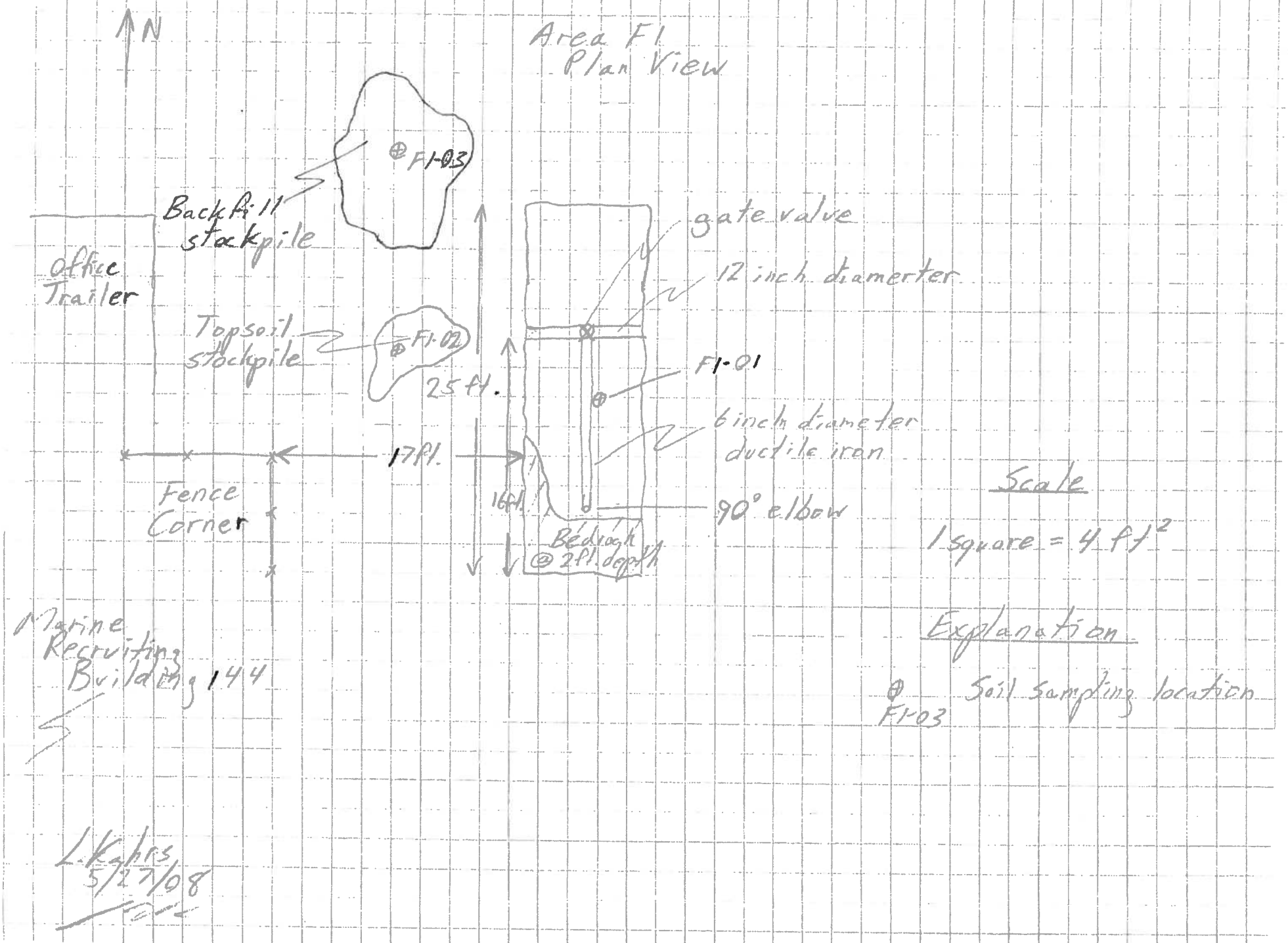
Stained Soil Present? Yes ☐ No ☒

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 20* CY

* estimated – this excavation performed as a test pit


N
Area F1
Plan View
F1-03
Backfill stockpile
Office Trailer
Topsoil stockpile
F1-02
25 ft.
gate valve
12 inch diameter
F1-01
6 inch diameter ductile iron
17 ft.
16 ft.
90° elbow
Bedrock @ 2 ft. depth
Fence Corner
Marine Recruiting Building 144
Scale
1 square = 4 ft²
Explanation
F1-03 Soil sampling location
L. Kahrs
5/27/08

PetroFLAG®

(8)

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/7/08 Calibration Time/Date: 1120 2/7/08
Operator: L. Kahrs Calibration Temperature: 20.3°C
Location: Newport OFFTA

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	—	1120	Ø	1	7		
2	Std.	—		1000				
3	F1-01	10.0		12				
4	F1-02	10.0		18				
5	F1-03	10.0		68				
6	F2-01	10.0		197				
7	F2-02	10.0		225				
8	F2-03	10.0		268				
9	F2-04	10.0		187				
10	F2-05	10.0		34				
11	F2-06	10.0		113				
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802093

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 12, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 07, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802093-01	Soil	OFFTA-F1-01
0802093-02	Soil	OFFTA-F2-01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F1-01
Date Sampled: 02/07/08 11:00
Percent Solids: 87
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802093
ESS Laboratory Sample ID: 0802093-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/08/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**49.9**	mg/kg dry	42.3		1	02/08/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-01
Date Sampled: 02/07/08 11:00
Percent Solids: 87
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802093
ESS Laboratory Sample ID: 0802093-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/08/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**150**	mg/kg dry	42.9		1	02/08/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*72 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80805 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	*ND*	*37.5*	*mg/kg wet*							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.47*		mg/kg wet	*5.000*		*69*	*40-140*			
LCS										
Decane (C10)	1.56	0.26	mg/kg wet	2.500		62	40-140			
Docosane (C22)	2.06	0.26	mg/kg wet	2.500		83	40-140			
Dodecane (C12)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Eicosane (C20)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Hexacosane (C26)	2.04	0.26	mg/kg wet	2.500		82	40-140			
Hexadecane (C16)	1.93	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Octacosane (C28)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	1.98	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	1.85	0.26	mg/kg wet	2.500		74	40-140			
Surrogate: O-Terphenyl	*3.90*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.39	0.26	mg/kg wet	2.500		55	40-140	12	50	
Docosane (C22)	1.68	0.26	mg/kg wet	2.500		67	40-140	20	50	
Dodecane (C12)	1.50	0.26	mg/kg wet	2.500		60	40-140	15	50	
Eicosane (C20)	1.67	0.26	mg/kg wet	2.500		67	40-140	21	50	
Hexacosane (C26)	1.68	0.26	mg/kg wet	2.500		67	40-140	19	50	
Hexadecane (C16)	1.62	0.26	mg/kg wet	2.500		65	40-140	17	50	
Nonadecane (C19)	1.76	0.26	mg/kg wet	2.500		70	40-140	18	50	
Octacosane (C28)	1.72	0.26	mg/kg wet	2.500		69	40-140	21	50	
Octadecane (C18)	1.64	0.26	mg/kg wet	2.500		66	40-140	18	50	
Tetracosane (C24)	1.83	0.26	mg/kg wet	2.500		73	40-140	23	50	
Tetradecane (C14)	1.56	0.26	mg/kg wet	2.500		62	40-140	17	50	
Surrogate: O-Terphenyl	*3.29*		mg/kg wet	*5.000*		*66*	*40-140*			
Matrix Spike **Source: 0802093-02**										
Decane (C10)	1.94	0.29	mg/kg dry	2.874	ND	68	40-140			
Docosane (C22)	2.46	0.29	mg/kg dry	2.874	ND	85	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80805 - 3541										
Dodecane (C12)	2.18	0.29	mg/kg dry	2.874	ND	76	40-140			
Eicosane (C20)	2.54	0.29	mg/kg dry	2.874	ND	88	40-140			
Hexacosane (C26)	2.43	0.29	mg/kg dry	2.874	ND	85	40-140			
Hexadecane (C16)	2.45	0.29	mg/kg dry	2.874	ND	85	40-140			
Nonadecane (C19)	2.66	0.29	mg/kg dry	2.874	ND	93	40-140			
Octacosane (C28)	2.65	0.29	mg/kg dry	2.874	ND	92	40-140			
Octadecane (C18)	2.48	0.29	mg/kg dry	2.874	ND	86	40-140			
Tetracosane (C24)	2.60	0.29	mg/kg dry	2.874	ND	91	40-140			
Tetradecane (C14)	2.30	0.29	mg/kg dry	2.874	ND	80	40-140			
Surrogate: O-Terphenyl	*4.63*		mg/kg dry	*5.747*		*81*	*40-140*			
Matrix Spike Dup Source: 0802093-02										
Decane (C10)	2.07	0.29	mg/kg dry	2.817	ND	73	40-140	6	50	
Docosane (C22)	2.83	0.29	mg/kg dry	2.817	ND	101	40-140	14	50	
Dodecane (C12)	2.44	0.29	mg/kg dry	2.817	ND	87	40-140	11	50	
Eicosane (C20)	2.88	0.29	mg/kg dry	2.817	ND	102	40-140	13	50	
Hexacosane (C26)	2.73	0.29	mg/kg dry	2.817	ND	97	40-140	12	50	
Hexadecane (C16)	2.67	0.29	mg/kg dry	2.817	ND	95	40-140	8	50	
Nonadecane (C19)	2.96	0.29	mg/kg dry	2.817	ND	105	40-140	11	50	
Octacosane (C28)	2.93	0.29	mg/kg dry	2.817	ND	104	40-140	10	50	
Octadecane (C18)	2.80	0.29	mg/kg dry	2.817	ND	100	40-140	12	50	
Tetracosane (C24)	2.87	0.29	mg/kg dry	2.817	ND	102	40-140	10	50	
Tetradecane (C14)	2.55	0.29	mg/kg dry	2.817	ND	91	40-140	10	50	
Surrogate: O-Terphenyl	*5.20*		mg/kg dry	*5.634*		*92*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 9802093

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TKSK Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tksk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / EPH w/o PAHs / EPH w/PAHs / 8015 DRO / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	2/7/08	1100	X			OFFTA-F1-01	1	1	G			X										
2	2/7/08	1100	X			OFFTA-F2-01	1	1	G			X										

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.40

Internal Use Only
[✓] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/7/08 1530	[signature]	2/7/08 1530	[signature]	2/7/08 4:17pm	[signature]	2-7-08 16:17
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Area F2 (Buildings 134/ 135) and Test Pit 3**

SIZE (linear feet)

Length 120 **Width 120** **Depth 6**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation of Area F2 was started on 2/6/08, exposing the southeastern corner of former Building 135. This excavation encoutered two, 4-inch diameter cast iron pipes running north/south. A total of five soil samples were collected during this activity; three samples from stockpiled material and denoted F2-01 through 03, and two additional samples from beneath the piping and denoted F2-05 and F2-06. Further excavation in this area of the site was delayed due to constraints with stockpiled material and interference with the west entrance to the site.

Global returned to this area on 4/18/08 and completed excavation of the entire Building 135 foundation and Test Pit 3. A total of nine soil samples were collected from the perimeter excavation around Building 135 at a depth of approximately 6 feet below grade. An additional three soil samples were collected stockpiled material and denoted SP01 through 03.

Test Pit 3 was advanced just north of Building 135 and measured approximately 10 feet by 10 feet at the base, and approximately 8 feet in depth. One base sample and four sidewall samples were collected from the test pit.

Global excavated the area around Building 134 on 4/19/08 in a similar manner as Building 135. A total of seven soil samples were collected around the perimeter excavation at a depth of six feet below grade. Another two soil samples were collected from the stockpiled material.

Initial screening in all portions of these excavations indicated all locations were below the 2500 ppm criteria, with the exception of the TP3 Base soil sample. Screening performed on soil samples collected from stockpiles indicated TPH below the 2500 ppm criteria, with the exception of F2-135-SP03. Laboratory analysis of this sample indicated levels of TPH below the applicable criteria and this material was also used for backfill.

EXCEPTIONS TO WORK PLAN (IF ANY)

A portion of concrete foundation prevented excavation of a section of trench between Buildings 134 and 135. The southeast corner of Building 134 was not excavated due to the presence of utilities, fenceline and site entrance constraints.

No compaction testing was performed during backfill due to limited width of excavation cut and on-site discussions with Brandon Smith.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Area F2 (Buildings 134/ 135) and Test Pit 3**

SAMPLING SUMMARY

Soil Samples

Location
135-01 – Base sample collected from excavation around Building 135
135-SP01 - Stockpile sample from Building 135 excavation
TP3-Base – Base sample from Test Pit 3 excavation

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals Lead (ppm)	
F2	01	4	197	150	NA						F2-01D screened at 225 ppm
F2-135	05	6	582	948	7.94						
F2-135	SP01	NA	702	1530	20.6						stockpile
F2-135	SP02	NA	67	194	3.31						stockpile
F2-135	SP03	NA	4802	2070	179						stockpile
TP3	Base	8	2540	2600	135						
TP3	SP01	NA	63	554	15.0						stockpile
F2-134	SP01	NA	736	644	3.18						
F2-134	SP02	NA	313	92.7	ND						MRL=1.86
F2-135	08	6	16,430	3470	473					24.4	Re-submitted for total lead 4/24/08
F2-135	10	6	6770	2340	176						

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **6.0**

Depth to Bedrock (feet) **NA**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

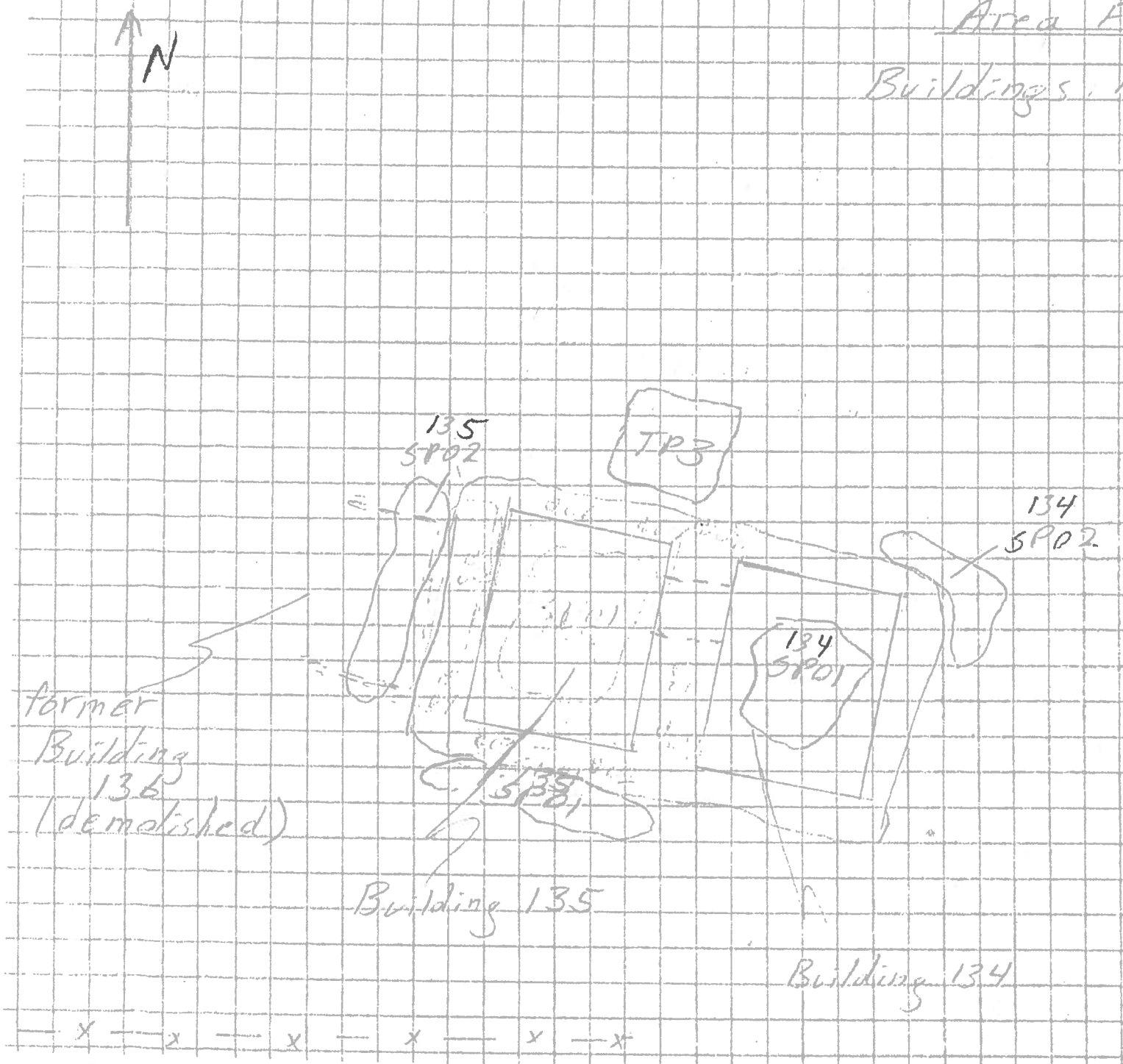
Excavated or Stockpiled Material Generated Yes ☒ No ☐

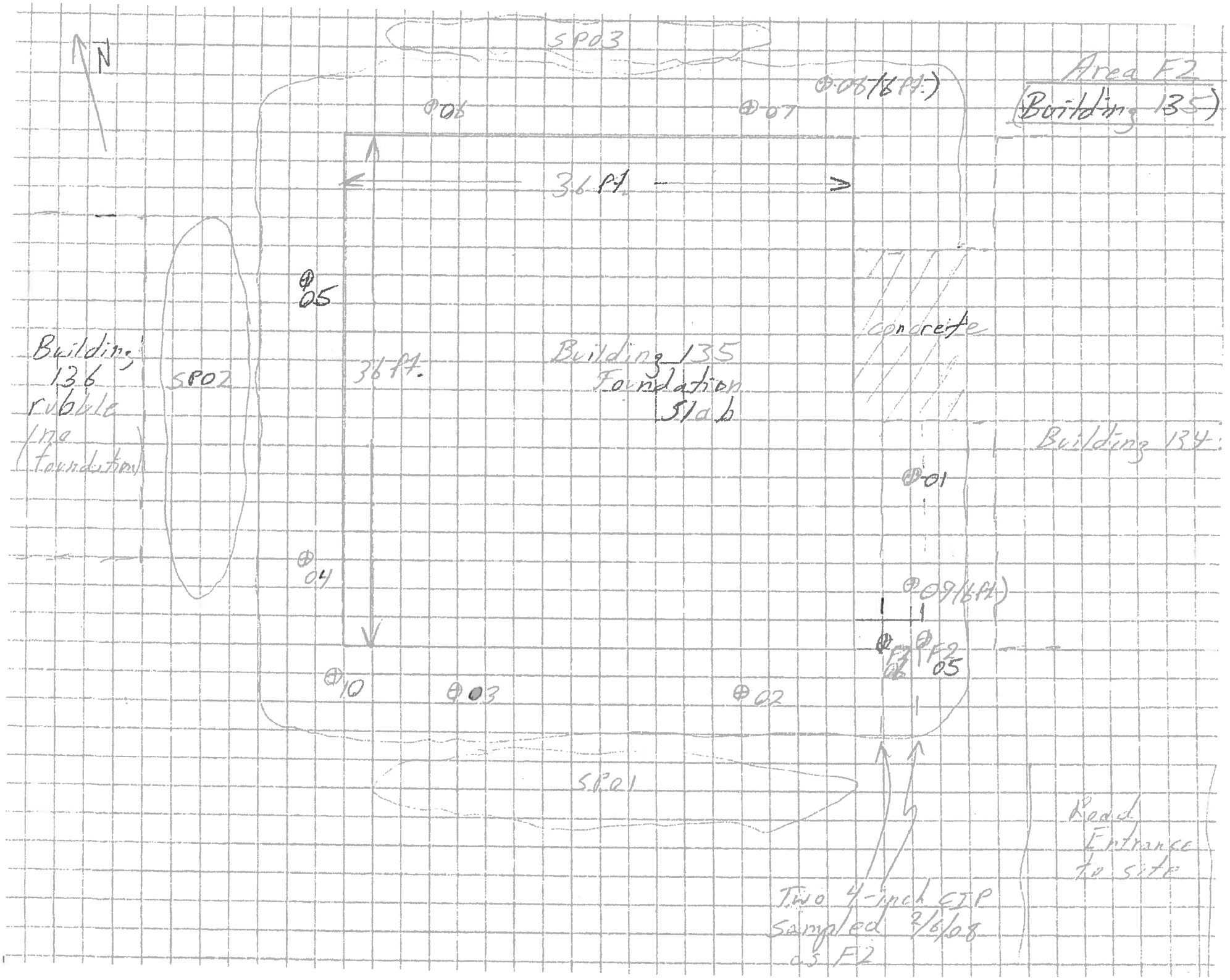
If so, Estimated Volume NA CY

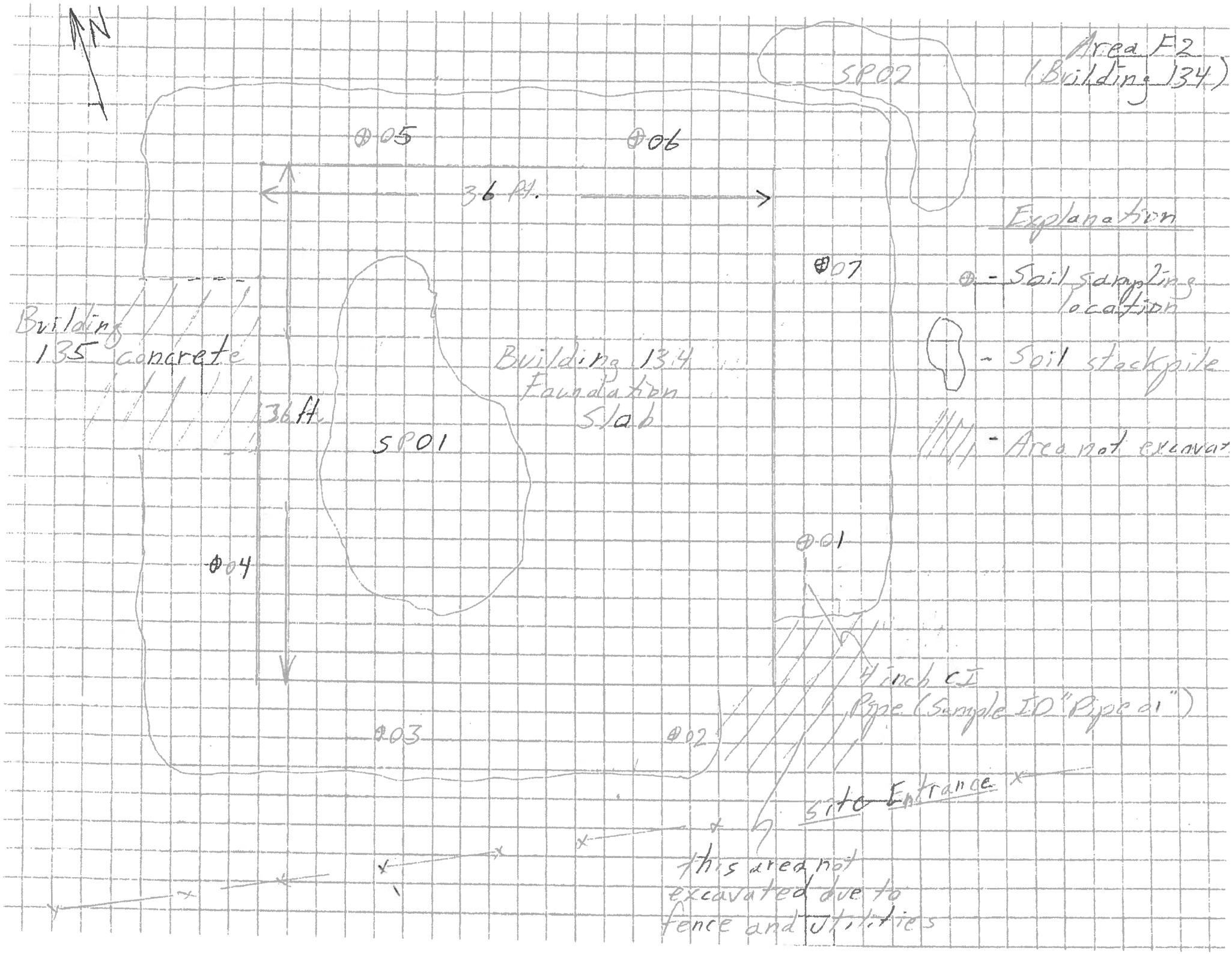
* excavation performed at test pit rate

Area F2 and TP3

Buildings 134, 135, 136/13




N
SP03
Area F2
(Building 135)
06
07
08 (6 ft.)
36 ft.
05
Building 136 rubble (no foundation)
SP02
36 ft.
Building 135 Foundation Slab
Concrete
Building 134
01
04
09 (6 ft.)
F1
F2
05
10
03
02
SP01
Road Entrance to site
Two 4-inch CIP sampled 8/6/08 as F2


N
Area F2
(Building 134)
SP02
05
06
36 ft.
07
Building 135 concrete
36 ft.
Building 134 Foundation Slab
SP01
04
01
03
02
4 inch CI Pipe (Sample ID "Pipe 01")
Site Entrance
this area not excavated due to fence and utilities
Explanation
- Soil sampling location
- Soil stockpile
- Area not excavat

PetroFLAG®

(8)

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/7/08
Operator: L. Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1120 2/7/08
Calibration Temperature: 20.3°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	—	1120	Ø	1	7		
2	Std.	—		1000				
3	F1-01	10.0		12				
4	F1-02	10.0		18				
5	F1-03	10.0		68				
6	F2-01	10.0		197				
7	F2-02	10.0		225				
8	F2-03	10.0		268				
9	F2-04	10.0		187				
10	F2-05	10.0		34				
11	F2-06	10.0		113				
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

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PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 4/18/08
Operator: L. Kabrs
Location: OFFTA-F2

Calibration Time/Date: 1130 4/18/08
Calibration Temperature: 18.1C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	~~135-01~~ Blk	—	1130/4/18/08	Ø	2			
2	Std	—		1000				
3	135-01	5.0		47				
4	135-02			79				
5	135-03			685				
6	135-04			185				
7	135-05			582				
8	135-06			116				
9	135-07			1882				flashing
10	135-SP01			702				
11	135-SP02			67				
12	135-SP03			2401			4802	flashing
13	Blk	5.0		Ø				
14	Std			1000				
15	TP3-N			127				
16	TP3-S			~~15~~ 31	~~1~~ 2			
17	TP3-E			75				
18	TP3-W			11			25 ~~40~~	
19	TP3-Base			~~427~~ 1270	~~1~~ 2		~~854~~	
20	TP3-SP01			63				
	TP3-N dup.			15				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

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PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 4/21/08
Operator: ED KURJA
Location: OFETA

Calibration Time/Date: 10:15 4/21/08
Calibration Temperature: 15.1°C 20.8°C 1:45

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	~~Pipe-01~~ Blank		10:15	0				
2	Standard			1000				
3	134-01	10g	10:20/4/21	602	1	7	602	
4	134-02			185	1	7	185	
5	134-03			0	1	7	0	
6	134-04			202	1	7	202	
7	134-05			313	1	7	313	
8	134-06			386	1	7	386	
9	134-07			476	1	7	476	
10	134-SP01			736	1	7	736	
11	134-SP02			313	1	7	313	
12	134 pipe01			191	1	7	191	
13	135-08			1643	10	7	16430	
14	135-09			113	10	7	1130	
15	135-10			677	10	7	6770	
16	BLANK			0				
17	Standard			1000				
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802093

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 12, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 07, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802093-01	Soil	OFFTA-F1-01
0802093-02	Soil	OFFTA-F2-01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F1-01
Date Sampled: 02/07/08 11:00
Percent Solids: 87
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802093
ESS Laboratory Sample ID: 0802093-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/08/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**49.9**	mg/kg dry	42.3		1	02/08/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-01
Date Sampled: 02/07/08 11:00
Percent Solids: 87
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802093
ESS Laboratory Sample ID: 0802093-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/08/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**150**	mg/kg dry	42.9		1	02/08/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*72 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80805 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.47*		mg/kg wet	*5.000*		*69*	*40-140*			
LCS										
Decane (C10)	1.56	0.26	mg/kg wet	2.500		62	40-140			
Docosane (C22)	2.06	0.26	mg/kg wet	2.500		83	40-140			
Dodecane (C12)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Eicosane (C20)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Hexacosane (C26)	2.04	0.26	mg/kg wet	2.500		82	40-140			
Hexadecane (C16)	1.93	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Octacosane (C28)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	1.98	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Tetradecane (C14)	1.85	0.26	mg/kg wet	2.500		74	40-140			
Surrogate: O-Terphenyl	*3.90*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.39	0.26	mg/kg wet	2.500		55	40-140	12	50	
Docosane (C22)	1.68	0.26	mg/kg wet	2.500		67	40-140	20	50	
Dodecane (C12)	1.50	0.26	mg/kg wet	2.500		60	40-140	15	50	
Eicosane (C20)	1.67	0.26	mg/kg wet	2.500		67	40-140	21	50	
Hexacosane (C26)	1.68	0.26	mg/kg wet	2.500		67	40-140	19	50	
Hexadecane (C16)	1.62	0.26	mg/kg wet	2.500		65	40-140	17	50	
Nonadecane (C19)	1.76	0.26	mg/kg wet	2.500		70	40-140	18	50	
Octacosane (C28)	1.72	0.26	mg/kg wet	2.500		69	40-140	21	50	
Octadecane (C18)	1.64	0.26	mg/kg wet	2.500		66	40-140	18	50	
Tetracosane (C24)	1.83	0.26	mg/kg wet	2.500		73	40-140	23	50	
Tetradecane (C14)	1.56	0.26	mg/kg wet	2.500		62	40-140	17	50	
Surrogate: O-Terphenyl	*3.29*		mg/kg wet	*5.000*		*66*	*40-140*			
Matrix Spike **Source: 0802093-02**										
Decane (C10)	1.94	0.29	mg/kg dry	2.874	ND	68	40-140			
Docosane (C22)	2.46	0.29	mg/kg dry	2.874	ND	85	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB80805 - 3541										
Dodecane (C12)	2.18	0.29	mg/kg dry	2.874	ND	76	40-140			
Eicosane (C20)	2.54	0.29	mg/kg dry	2.874	ND	88	40-140			
Hexacosane (C26)	2.43	0.29	mg/kg dry	2.874	ND	85	40-140			
Hexadecane (C16)	2.45	0.29	mg/kg dry	2.874	ND	85	40-140			
Nonadecane (C19)	2.66	0.29	mg/kg dry	2.874	ND	93	40-140			
Octacosane (C28)	2.65	0.29	mg/kg dry	2.874	ND	92	40-140			
Octadecane (C18)	2.48	0.29	mg/kg dry	2.874	ND	86	40-140			
Tetracosane (C24)	2.60	0.29	mg/kg dry	2.874	ND	91	40-140			
Tetradecane (C14)	2.30	0.29	mg/kg dry	2.874	ND	80	40-140			
Surrogate: O-Terphenyl	*4.63*		mg/kg dry	*5.747*		*81*	*40-140*			
Matrix Spike Dup Source: 0802093-02										
Decane (C10)	2.07	0.29	mg/kg dry	2.817	ND	73	40-140	6	50	
Docosane (C22)	2.83	0.29	mg/kg dry	2.817	ND	101	40-140	14	50	
Dodecane (C12)	2.44	0.29	mg/kg dry	2.817	ND	87	40-140	11	50	
Eicosane (C20)	2.88	0.29	mg/kg dry	2.817	ND	102	40-140	13	50	
Hexacosane (C26)	2.73	0.29	mg/kg dry	2.817	ND	97	40-140	12	50	
Hexadecane (C16)	2.67	0.29	mg/kg dry	2.817	ND	95	40-140	8	50	
Nonadecane (C19)	2.96	0.29	mg/kg dry	2.817	ND	105	40-140	11	50	
Octacosane (C28)	2.93	0.29	mg/kg dry	2.817	ND	104	40-140	10	50	
Octadecane (C18)	2.80	0.29	mg/kg dry	2.817	ND	100	40-140	12	50	
Tetracosane (C24)	2.87	0.29	mg/kg dry	2.817	ND	102	40-140	10	50	
Tetradecane (C14)	2.55	0.29	mg/kg dry	2.817	ND	91	40-140	10	50	
Surrogate: O-Terphenyl	*5.20*		mg/kg dry	*5.634*		*92*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802093

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 9802093

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TKSK Services	1024	Newport OFFTA

Contact Person	Address
L. Kahn	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.k-kahn@kahnk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / EPH w/o PAHs / 8015 DRO / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	2/7/08	1100	X			OFFTA-F1-01	1	1	G			X										
2	2/7/08	1100	X			OFFTA-F2-01	1	1	G			X										

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.40

Internal Use Only
[ ] Pickup
[ ] Technicians____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/7/08 1530	[signature]	2/7/08 1530	[signature]	2/7/08 4:17pm	[signature]	2-7-08 16:17
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0804298

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 24, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on April 18, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0804298-01	Soil	OFFTA-F2-135-05
0804298-02	Soil	OFFTA-F2-135-SP01
0804298-03	Soil	OFFTA-F2-135-SP02
0804298-04	Soil	OFFTA-F2-135-SP03
0804298-05	Soil	OFFTA-TP3-Base
0804298-06	Soil	OFFTA-TP3-SP01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-05
Date Sampled: 04/18/08 10:00
Percent Solids: 84
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**948**	mg/kg dry	44.4		1	04/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*110 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-05
Date Sampled: 04/18/08 10:00
Percent Solids: 84
Initial Volume: 15.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-01
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	7.94	mg/kg dry	1.69		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*122 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*90 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP01
Date Sampled: 04/18/08 10:00
Percent Solids: 86
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	1530	mg/kg dry	43.2		1	04/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*115 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP01
Date Sampled: 04/18/08 10:00
Percent Solids: 86
Initial Volume: 15.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-02
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**20.6**	mg/kg dry	1.61		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*115 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*82 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP02
Date Sampled: 04/18/08 10:00
Percent Solids: 90
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**194**	mg/kg dry	41.7		1	04/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP02
Date Sampled: 04/18/08 10:00
Percent Solids: 90
Initial Volume: 15.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-03
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**3.31**	mg/kg dry	1.48		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*124 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*93 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP03
Date Sampled: 04/18/08 10:00
Percent Solids: 83
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2070**	mg/kg dry	45.0		1	04/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-SP03
Date Sampled: 04/18/08 10:00
Percent Solids: 83
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-04
Sample Matrix: Soil
Analyst: MD
Prepared: 04/21/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	179	mg/kg dry	17.7		10	04/21/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*91 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*128 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TP3-Base
Date Sampled: 04/18/08 11:30
Percent Solids: 80
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/22/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2600**	mg/kg dry	45.7		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*111 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TP3-Base
Date Sampled: 04/18/08 11:30
Percent Solids: 80
Initial Volume: 15.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-05
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**135**	mg/kg dry	17.9		10	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*112 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TP3-SP01
Date Sampled: 04/18/08 11:30
Percent Solids: 89
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**554**	mg/kg dry	41.1		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*93 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TP3-SP01
Date Sampled: 04/18/08 11:30
Percent Solids: 89
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804298
ESS Laboratory Sample ID: 0804298-06
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**15.0**	mg/kg dry	1.54		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*126 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BD82101 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.41*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS										
Decane (C10)	2.06	0.26	mg/kg wet	2.500		83	40-140			
Docosane (C22)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.24	0.26	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.48	0.26	mg/kg wet	2.500		99	40-140			
Hexacosane (C26)	2.36	0.26	mg/kg wet	2.500		95	40-140			
Hexadecane (C16)	2.41	0.26	mg/kg wet	2.500		96	40-140			
Nonadecane (C19)	2.62	0.26	mg/kg wet	2.500		105	40-140			
Octacosane (C28)	2.38	0.26	mg/kg wet	2.500		95	40-140			
Octadecane (C18)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Tetracosane (C24)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Tetradecane (C14)	2.35	0.26	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*4.69*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS Dup										
Decane (C10)	1.74	0.26	mg/kg wet	2.500		70	40-140	17	50	
Docosane (C22)	1.97	0.26	mg/kg wet	2.500		79	40-140	21	50	
Dodecane (C12)	1.86	0.26	mg/kg wet	2.500		74	40-140	19	50	
Eicosane (C20)	2.01	0.26	mg/kg wet	2.500		80	40-140	21	50	
Hexacosane (C26)	1.90	0.26	mg/kg wet	2.500		76	40-140	22	50	
Hexadecane (C16)	1.97	0.26	mg/kg wet	2.500		79	40-140	20	50	
Nonadecane (C19)	2.13	0.26	mg/kg wet	2.500		85	40-140	21	50	
Octacosane (C28)	1.90	0.26	mg/kg wet	2.500		76	40-140	22	50	
Octadecane (C18)	2.00	0.26	mg/kg wet	2.500		80	40-140	20	50	
Tetracosane (C24)	1.99	0.26	mg/kg wet	2.500		80	40-140	22	50	
Tetradecane (C14)	1.93	0.26	mg/kg wet	2.500		77	40-140	20	50	
Surrogate: O-Terphenyl	*3.87*		mg/kg wet	*5.000*		*77*	*40-140*			
Batch BD82203 - 3541										
Blank										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BD82203 - 3541										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.93*		mg/kg wet	*5.000*		*99*	*40-140*			
LCS										
Decane (C10)	1.80	0.26	mg/kg wet	2.500		72	40-140			
Docosane (C22)	2.73	0.26	mg/kg wet	2.500		109	40-140			
Dodecane (C12)	2.14	0.26	mg/kg wet	2.500		85	40-140			
Eicosane (C20)	2.76	0.26	mg/kg wet	2.500		111	40-140			
Hexacosane (C26)	2.63	0.26	mg/kg wet	2.500		105	40-140			
Hexadecane (C16)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Nonadecane (C19)	2.81	0.26	mg/kg wet	2.500		112	40-140			
Octacosane (C28)	2.61	0.26	mg/kg wet	2.500		105	40-140			
Octadecane (C18)	2.60	0.26	mg/kg wet	2.500		104	40-140			
Tetracosane (C24)	2.76	0.26	mg/kg wet	2.500		110	40-140			
Tetradecane (C14)	2.26	0.26	mg/kg wet	2.500		91	40-140			
Surrogate: O-Terphenyl	*5.10*		mg/kg wet	*5.000*		*102*	*40-140*			
LCS Dup										
Decane (C10)	1.57	0.26	mg/kg wet	2.500		63	40-140	14	50	
Docosane (C22)	2.20	0.26	mg/kg wet	2.500		88	40-140	21	50	
Dodecane (C12)	1.74	0.26	mg/kg wet	2.500		69	40-140	21	50	
Eicosane (C20)	2.23	0.26	mg/kg wet	2.500		89	40-140	21	50	
Hexacosane (C26)	2.12	0.26	mg/kg wet	2.500		85	40-140	22	50	
Hexadecane (C16)	1.96	0.26	mg/kg wet	2.500		79	40-140	22	50	
Nonadecane (C19)	2.23	0.26	mg/kg wet	2.500		89	40-140	23	50	
Octacosane (C28)	2.09	0.26	mg/kg wet	2.500		84	40-140	22	50	
Octadecane (C18)	2.10	0.26	mg/kg wet	2.500		84	40-140	21	50	
Tetracosane (C24)	2.23	0.26	mg/kg wet	2.500		89	40-140	21	50	
Tetradecane (C14)	1.85	0.26	mg/kg wet	2.500		74	40-140	20	50	
Surrogate: O-Terphenyl	*4.02*		mg/kg wet	*5.000*		*80*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BD82113 - 5035										
Blank										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BD82113 - 5035										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*50.2*		ug/L	*50.00*		*100*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.22*		mg/kg wet	*1.333*		*92*	*70-130*			
LCS										
Gasoline Range Organics	448		ug/L	500.0		90	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*47.1*		ug/L	*50.00*		*94*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.44*		mg/kg wet	*1.333*		*108*	*70-130*			
LCS Dup										
Gasoline Range Organics	460		ug/L	500.0		92	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*46.2*		ug/L	*50.00*		*92*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.49*		mg/kg wet	*1.333*		*112*	*70-130*			
Batch BD82209 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*47.9*		ug/L	*50.00*		*96*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.23*		mg/kg wet	*1.333*		*92*	*70-130*			
LCS										
Gasoline Range Organics	478		ug/L	500.0		96	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*48.5*		ug/L	*50.00*		*97*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.42*		mg/kg wet	*1.333*		*107*	*70-130*			
LCS Dup										
Gasoline Range Organics	465		ug/L	500.0		93	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*47.0*		ug/L	*50.00*		*94*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.37*		mg/kg wet	*1.333*		*103*	*70-130*			
Matrix Spike Source: 0804298-03										
Gasoline Range Organics	521		ug/L	497.9	123	80	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*59.8*		ug/L	*50.00*		*120*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.26*		mg/kg dry	*1.430*		*88*	*70-130*			
Matrix Spike Dup Source: 0804298-03										
Gasoline Range Organics	523		ug/L	497.9	123	80	60-140	0.5	40	
Surrogate: 2,5-Dibromotoluene - FID	*62.5*		ug/L	*50.00*		*125*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.28*		mg/kg dry	*1.430*		*89*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804298

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0804298

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other _____

Co. Name: TKSK Services
Project #
Project Name (20 Char. or less)
Contact Person: L Kahrs
Address
City State Zip PO#
Telephone # Fax # Email Address

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg
1	4/18/08	1000	X		S	OFFTA-F2-135-05	1/6	2	G		X	X						
2	↓	↓	↓		↓	↓ -SP01	↓	↓	↓		↓	↓						
3						SP02												
4						SP03												
5		1130				OFFTA-TP3-Base												
6						-SP01												

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4/18/08 1230	[signature]	4/18/08 12:30	[signature]	4/18/08 13:15	[signature]	4/18/08 13:15
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0804316

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 25, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on April 21, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0804316-01	Soil	OFFTA-F2-134-SP02
0804316-02	Soil	OFFTA-F2-134-SP01
0804316-03	Soil	OFFTA-F2-135-08
0804316-04	Soil	OFFTA-F2-135-10
0804316-05	Solid	Trip Blank

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804316

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-134-SP02
Date Sampled: 04/21/08 09:00
Percent Solids: 88
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**92.7**	mg/kg dry	42.2		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*96 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-134-SP02
Date Sampled: 04/21/08 09:00
Percent Solids: 88
Initial Volume: 12.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-01
Sample Matrix: Soil
Analyst: MD
Prepared: 04/23/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.86		1	04/23/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*99 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*92 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-134-SP01
Date Sampled: 04/21/08 09:10
Percent Solids: 87
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**644**	mg/kg dry	43.1		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*113 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-134-SP01
Date Sampled: 04/21/08 09:10
Percent Solids: 87
Initial Volume: 12.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-02
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**3.18**	mg/kg dry	1.88		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*108 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*87 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-08
Date Sampled: 04/21/08 12:15
Percent Solids: 86
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	3470	mg/kg dry	218		5	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*126 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-08
Date Sampled: 04/21/08 12:15
Percent Solids: 86
Initial Volume: 10.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-03
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	473	mg/kg dry	22.0		10	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*120 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*98 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-10
Date Sampled: 04/21/08 12:25
Percent Solids: 79
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 04/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**2340**	mg/kg dry	46.8		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*128 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-10
Date Sampled: 04/21/08 12:25
Percent Solids: 79
Initial Volume: 11.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-04
Sample Matrix: Soil
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**176**	mg/kg dry	23.6		10	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*98 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*89 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Trip Blank
Date Sampled: 04/21/08 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0804316
ESS Laboratory Sample ID: 0804316-05
Sample Matrix: Solid
Analyst: MD
Prepared: 04/22/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg	1.25		1	04/22/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*97 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*88 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804316

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BD82101 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.41*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS										
Decane (C10)	2.06	0.26	mg/kg wet	2.500		83	40-140			
Docosane (C22)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.24	0.26	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.48	0.26	mg/kg wet	2.500		99	40-140			
Hexacosane (C26)	2.36	0.26	mg/kg wet	2.500		95	40-140			
Hexadecane (C16)	2.41	0.26	mg/kg wet	2.500		96	40-140			
Nonadecane (C19)	2.62	0.26	mg/kg wet	2.500		105	40-140			
Octacosane (C28)	2.38	0.26	mg/kg wet	2.500		95	40-140			
Octadecane (C18)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Tetracosane (C24)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Tetradecane (C14)	2.35	0.26	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*4.69*		mg/kg wet	*5.000*		*94*	*40-140*			
LCS Dup										
Decane (C10)	1.74	0.26	mg/kg wet	2.500		70	40-140	17	50	
Docosane (C22)	1.97	0.26	mg/kg wet	2.500		79	40-140	21	50	
Dodecane (C12)	1.86	0.26	mg/kg wet	2.500		74	40-140	19	50	
Eicosane (C20)	2.01	0.26	mg/kg wet	2.500		80	40-140	21	50	
Hexacosane (C26)	1.90	0.26	mg/kg wet	2.500		76	40-140	22	50	
Hexadecane (C16)	1.97	0.26	mg/kg wet	2.500		79	40-140	20	50	
Nonadecane (C19)	2.13	0.26	mg/kg wet	2.500		85	40-140	21	50	
Octacosane (C28)	1.90	0.26	mg/kg wet	2.500		76	40-140	22	50	
Octadecane (C18)	2.00	0.26	mg/kg wet	2.500		80	40-140	20	50	
Tetracosane (C24)	1.99	0.26	mg/kg wet	2.500		80	40-140	22	50	
Tetradecane (C14)	1.93	0.26	mg/kg wet	2.500		77	40-140	20	50	
Surrogate: O-Terphenyl	*3.87*		mg/kg wet	*5.000*		*77*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BD82209 - 5035										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804316

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BD82209 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*47.9*		ug/L	*50.00*		*96*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.23*		mg/kg wet	*1.333*		*92*	*70-130*			
LCS										
Gasoline Range Organics	478		ug/L	500.0		96	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*48.5*		ug/L	*50.00*		*97*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.42*		mg/kg wet	*1.333*		*107*	*70-130*			
LCS Dup										
Gasoline Range Organics	465		ug/L	500.0		93	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*47.0*		ug/L	*50.00*		*94*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.37*		mg/kg wet	*1.333*		*103*	*70-130*			
Batch BD82311 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*42.2*		ug/L	*50.00*		*84*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.15*		mg/kg wet	*1.333*		*87*	*70-130*			
LCS										
Gasoline Range Organics	460		ug/L	500.0		92	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*41.7*		ug/L	*50.00*		*83*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.34*		mg/kg wet	*1.333*		*100*	*70-130*			
LCS Dup										
Gasoline Range Organics	465		ug/L	500.0		93	60-140	0.9	20	
Surrogate: 2,5-Dibromotoluene - FID	*45.4*		ug/L	*50.00*		*91*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.27*		mg/kg wet	*1.333*		*95*	*70-130*			
Matrix Spike Source: 0804316-01										
Gasoline Range Organics	513		ug/L	498.0	24.9	98	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*48.8*		ug/L	*50.00*		*98*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.69*		mg/kg dry	*1.799*		*94*	*70-130*			
Matrix Spike Dup Source: 0804316-01										
Gasoline Range Organics	535		ug/L	498.0	24.9	102	60-140	4	40	
Surrogate: 2,5-Dibromotoluene - FID	*47.9*		ug/L	*50.00*		*96*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.71*		mg/kg dry	*1.799*		*95*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804316

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804316

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5 DAY
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 08043 16

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other _____

Co. Name: TK&K SERVICES
Project #
Project Name (20 Char. or less)
Contact Person: L KAHRS
Address
City State Zip PO#
Telephone # Fax # Email Address

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	4/21/08	0900	✓		S	OFFTA-F2-134-SP02		2	6		X	X											
2		0910	✓		S	OFFTA-F2-134-SP01																	
3	4-21-08	1215	✓		S	OFFTA-F2-135-08																	
4	4-21-08	1225	✓		S	OFFTA-F2-135-[redacted]10																	
5					-	TripBlank																	

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 3.0°C

Internal Use Only
[✓] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4/21/08 1513	[signature]	4/21/08 1513	[signature]	4/21/08 1610	[signature]	4/21/08 1610
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0804389

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: April 28, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on April 24, 2008 for the analyses specified on the enclosed Chain of Custody Record. **This sample was originally received on April 21, 2008 as ESS Laboratory sample ID 0804316-03.**

Laboratory ID	Matrix	Client SampleID
0804389-01	Soil	OFFTA-F2-135-08

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804389

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F2-135-08
Date Sampled: 04/21/08 12:15
Percent Solids: 86

ESS Laboratory Work Order: 0804389
ESS Laboratory Sample ID: 0804389-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	24.4	mg/kg dry	7.7	6010B	150	1	SVD	04/24/08	1.52	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804389

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BD82418 - 3050B										
Blank										
Lead	ND	6.7	mg/kg wet							
LCS										
Lead	32.9	6.7	mg/kg wet	33.33		99	80-120			
LCS Dup										
Lead	32.4	6.7	mg/kg wet	33.33		97	80-120	1	20	
Reference										
Lead	64.7	10.0	mg/kg wet	72.20		90	82-118			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804389

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0804389

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Elizabeth Ouk

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Thursday, April 24, 2008 10:11 AM
To: Elizabeth Ouk
Cc: 'Edward Kurja'
Subject: Total lead analysis
Attachments: image001.jpg

Liz,

Per our telephone discussion this morning, please analyze remaining sample ID OFFTA-F2-135-08 for total lead on a 48-hour turnaround.

Thanks,

Larry

TK&K SERVICES
Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

ESS Laboratory

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CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5 DAY
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA RI CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP Navy USACE Other_____

Reporting Limits STD 4-24-08
ESS LAB PROJECT ID ~~08041316~~ 08041389
Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF✓ Other_____

Co. Name: TK&K SERVICES
Project #:
Project Name (20 Char. or less):
Contact Person: L KAHRS
Address:
City: State: Zip: PO#:
Telephone #: Fax #: Email Address:

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	4/21/08	0900	✓		S	OFFTA-F2-134-SP02		2	6		X	X											
2		0910	✓		S	OFFTA-F2-134-SP01																	
3		1215	✓		S	OFFTA-F2-135-08																	
4		1225	✓		S	OFFTA-F2-135-[illegible]10																	
5						TripBlank																	

STD 4-24-08

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 3.0°C
Internal Use Only [✓] Pickup [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4/21/08 1513	[signature]	4/21/08 1513	[signature]	4/21/08 1610	[signature]	4/21/08 1610
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **F3 (OWS separator)**

SIZE (linear feet)

Length 69 **Width 20** **Depth 12**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/11/08 to follow VCP south from Area B2. Encountered large Oil Water Separator (OWS) structure, consisting of two concrete vaults immediately south of Area B2. Tops of OWS had been previously demolished and each unit contained concrete debris, large boulders and wood. All debris was removed from each unit and staged for disposal. All remaining portions of OWS were removed. Bedrock was encountered at the base of the excavation (OWS units appeared to "socketed" into bedrock). The completed excavation was sampled on 2/15/08.

Initial screening in Area ~~F2~~ F3 indicated all locations were below the 2500 ppm criteria. Two stockpiles were created with clean soils overlying this area and denoted F1 and F2. Screening performed on soil samples collected from these stockpiles indicated TPH below the 2500 ppm criteria. JRF

EXCEPTIONS TO WORK PLAN (IF ANY)

Presence of bedrock precluded base sample collection from this excavation.

Stockpile samples are denoted F3-1 and F3-2 on PetroFLAG run sheet and F1 and F2 on COC.

AREA DESIGNATION **F3 (OWS separator)**

SAMPLING SUMMARY

Soil Samples

Location
S – Sidewall sample (see diagram)
Stockpile samples denoted F1 and F2 as shown in figure

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
F3	F1	NA	353	119	ND						stockpile NW of excavation - MRL=1.44
F3	F2	NA	470	191	2.23						stockpile SE of excavation
F3	S8	6.0	41	52.2	ND						MRL=1.4
F3	S5	6.0	47	209	6.01						F3-S5D screened at 211 ppm

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **8.0**

Depth to Bedrock (feet) **12.0**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt - Bedrock is weathered shale**

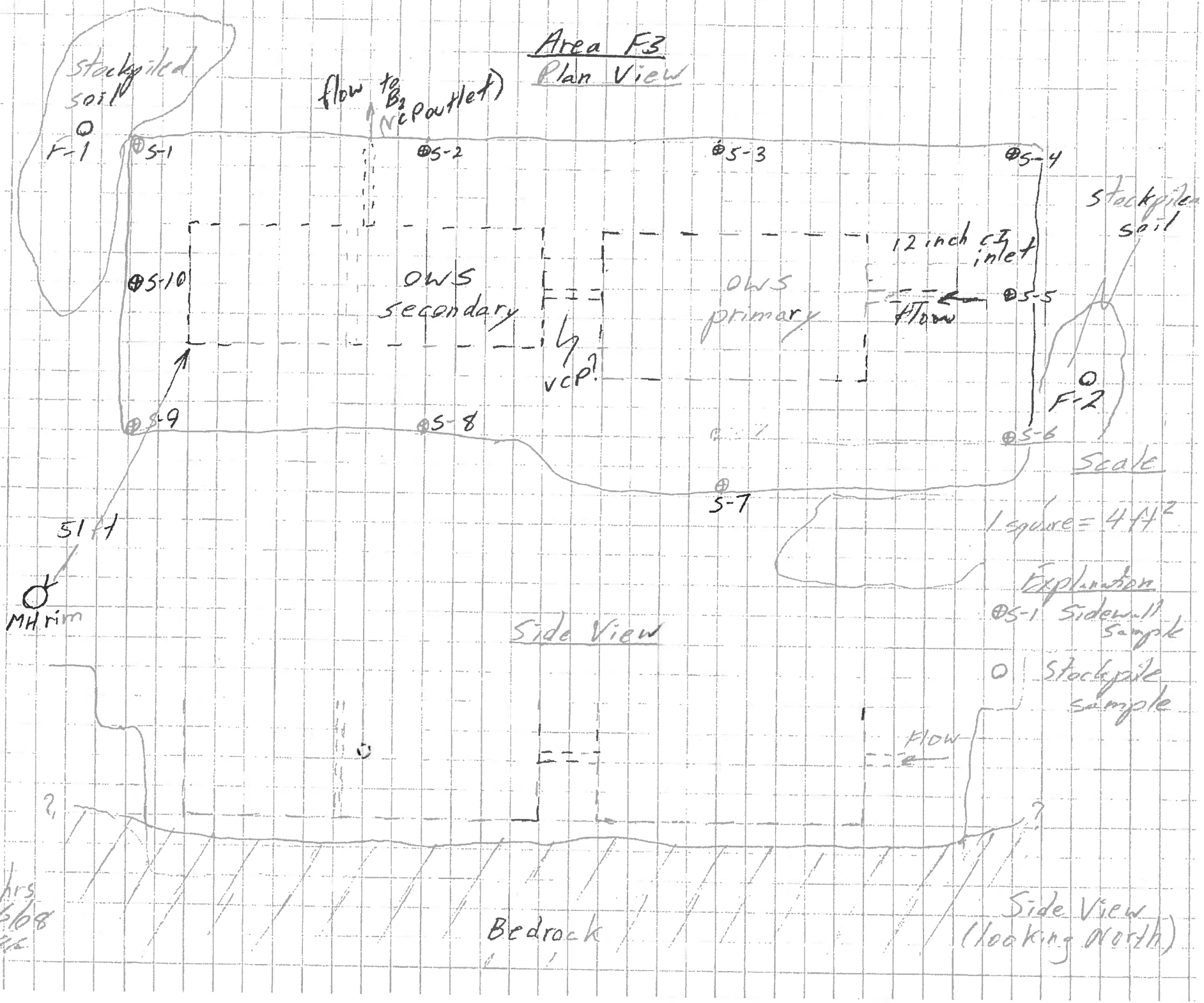
Odors Present? Yes ☒ No ☐

Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 570* CY
* estimated – this excavation performed as a test pit


Area F3
Plan View
Stockpiled soil
F-1
flow to B2 NCP outlet)
S-1
S-2
S-3
S-4
12 inch CI inlet
Stockpiled soil
S-10
OWS secondary
OWS primary
Flow
S-5
VCP?
F-2
S-9
S-8
S-6
Scale
S-7
1 square = 4 ft²
51 ft
MH rim
Explanation
S-1 Sidewall sample
Stockpile sample
Side View
Flow
?
?
Bedrock
Side View (looking North)
L. Kahrs 5/16/08

Area F3

(4)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/12/08 Calibration Time/Date: 1330 2/12/08
Operator: L. Kahns Calibration Temperature: 20.7°C
Location: Newport OFFTA

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blk	—	1330 2/12/08	Ø	1	7		
2	std.	—		1000				
3	C-1	10.0		98				
4	C-2	10.0		191				
5	F3-1	10.0		353				
6	F3-2	10.0		470				
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(10)

-3

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/15/08
Operator: Tim Burbank
Location: Newport OFFTA

Calibration Time/Date: 2:43pm 2/15/08
Calibration Temperature: 20.1

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	F3-S1	2G	2:42pm 2/15	137	5	7	685	
2	F3-S2			167			835	
3	F3-S3			50			250	
4	F3 S4			0			0	
5	F3 S5			47			235	
6	F3 S6			134			670	
7	F3 S7			108			540	
8	F3 S8			41			205	
9	F3 S9			33			165	
10	F3 S10			980			4900	
11	F3 S5D			211			1055	
12	S			1000				
13	B			0				
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802138

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 21, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 12, 2008 for the analyses specified on the enclosed Chain of Custody Record.
Revision 1 February 21, 2008: Quality Control section of report has been revised to include DRO data.

Laboratory ID	Matrix	Client SampleID
0802138-01	Soil	OFFTA-C-1
0802138-02	Soil	OFFTA-C-2
0802138-03	Soil	OFFTA-F-1
0802138-04	Soil	OFFTA-F-2

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802138

PROJECT NARRATIVE

8015M Gasoline Range Organics / Methanol

0802138-04	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
BB81537-MS1	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
BB81537-MSD1	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-C-1
Date Sampled: 02/12/08 13:30
Percent Solids: 95
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/13/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**59.2**	mg/kg dry	38.5		1	02/13/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*93 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-C-1
Date Sampled: 02/12/08 13:30
Percent Solids: 95
Initial Volume: 15.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-01
Sample Matrix: Soil
Analyst: MD
Prepared: 02/15/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.36		1	02/15/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*107 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-C-2
Date Sampled: 02/12/08 13:30
Percent Solids: 95
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/13/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**59.0**	mg/kg dry	39.5		1	02/13/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-C-2
Date Sampled: 02/12/08 13:30
Percent Solids: 95
Initial Volume: 15.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-02
Sample Matrix: Soil
Analyst: MD
Prepared: 02/15/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.35		1	02/15/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*108 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F-1
Date Sampled: 02/12/08 13:30
Percent Solids: 93
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/13/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**119**	mg/kg dry	40.7		1	02/13/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F-1
Date Sampled: 02/12/08 13:30
Percent Solids: 93
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-03
Sample Matrix: Soil
Analyst: MD
Prepared: 02/15/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.44		1	02/15/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*121 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*93 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F-2
Date Sampled: 02/12/08 13:30
Percent Solids: 90
Initial Volume: 19.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/13/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**191**	mg/kg dry	43.0		1	02/13/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F-2
Date Sampled: 02/12/08 13:30
Percent Solids: 90
Initial Volume: 15.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802138
ESS Laboratory Sample ID: 0802138-04
Sample Matrix: Soil
Analyst: MD
Prepared: 02/15/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**2.23**	mg/kg dry	1.52		1	02/15/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*134 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*100 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

REVISED
FEB 21 2008

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802138

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB81316 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.16*		mg/kg wet	*5.000*		*83*	*40-140*			
LCS										
Decane (C10)	1.69	0.26	mg/kg wet	2.500		67	40-140			
Docosane (C22)	2.38	0.26	mg/kg wet	2.500		95	40-140			
Dodecane (C12)	1.94	0.26	mg/kg wet	2.500		78	40-140			
Eicosane (C20)	2.31	0.26	mg/kg wet	2.500		93	40-140			
Hexacosane (C26)	2.36	0.26	mg/kg wet	2.500		95	40-140			
Hexadecane (C16)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Nonadecane (C19)	2.29	0.26	mg/kg wet	2.500		91	40-140			
Octacosane (C28)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Octadecane (C18)	2.18	0.26	mg/kg wet	2.500		87	40-140			
Tetracosane (C24)	2.51	0.26	mg/kg wet	2.500		100	40-140			
Tetradecane (C14)	2.06	0.26	mg/kg wet	2.500		82	40-140			
Surrogate: O-Terphenyl	*4.41*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	1.70	0.26	mg/kg wet	2.500		68	40-140	1	50	
Docosane (C22)	2.28	0.26	mg/kg wet	2.500		91	40-140	4	50	
Dodecane (C12)	1.98	0.26	mg/kg wet	2.500		79	40-140	2	50	
Eicosane (C20)	2.27	0.26	mg/kg wet	2.500		91	40-140	2	50	
Hexacosane (C26)	2.29	0.26	mg/kg wet	2.500		91	40-140	3	50	
Hexadecane (C16)	2.17	0.26	mg/kg wet	2.500		87	40-140	2	50	
Nonadecane (C19)	2.32	0.26	mg/kg wet	2.500		93	40-140	1	50	
Octacosane (C28)	2.34	0.26	mg/kg wet	2.500		94	40-140	3	50	
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		88	40-140	1	50	
Tetracosane (C24)	2.48	0.26	mg/kg wet	2.500		99	40-140	0.9	50	
Tetradecane (C14)	2.07	0.26	mg/kg wet	2.500		83	40-140	0.8	50	
Surrogate: O-Terphenyl	*4.46*		mg/kg wet	*5.000*		*89*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BB81537 - 5035										

ESS Laboratory

Division of Thielsch Engineering, Inc.

REVISED
FEB 21 2008

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802138

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BB81537 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*47.8*		ug/L	*50.00*		*96*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.22*		mg/kg wet	*1.333*		*91*	*70-130*			
LCS										
Gasoline Range Organics	482		ug/L	500.0		96	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*47.7*		ug/L	*50.00*		*95*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.50*		mg/kg wet	*1.333*		*112*	*70-130*			
LCS Dup										
Gasoline Range Organics	488		ug/L	500.0		98	60-140	1	20	
Surrogate: 2,5-Dibromotoluene - FID	*44.6*		ug/L	*50.00*		*89*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.45*		mg/kg wet	*1.333*		*108*	*70-130*			
Matrix Spike **Source: 0802138-04**										
Gasoline Range Organics	621		ug/L	498.0	80.5	108	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*74.2*		ug/L	*50.00*		*148*	*70-130*			*SC*
Surrogate: Trifluorotoluene - FID	*1.44*		mg/kg dry	*1.468*		*98*	*70-130*			
Matrix Spike Dup **Source: 0802138-04**										
Gasoline Range Organics	628		ug/L	498.0	80.5	110	60-140	1	40	
Surrogate: 2,5-Dibromotoluene - FID	*65.6*		ug/L	*50.00*		*131*	*70-130*			*SC*
Surrogate: Trifluorotoluene - FID	*1.41*		mg/kg dry	*1.468*		*96*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802138

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802138

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 9802138

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF ✓ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TK & K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/target	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	2/12/08	1330	X			OFFTA-C-1	1/6	2	G		X	X											
2						C-2																	
3						F-1																	
4						F-2																	

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ___ Yes ___ No Internal Use Only
Seals Intact ___ Yes ___ No NA: ___ [ ] Pickup
Cooler Temp: 3.6° [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/12/08 1524	[signature]	2/12/08 1524	[signature]	2/12/08 1616	[signature]	2/12/08 1616
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802185

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 21, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 15, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802185-01	Soil	OFFTA-F3-S8
0802185-02	Soil	OFFTA-F3-S5

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

PROJECT NARRATIVE

8015M Gasoline Range Organics / Methanol

0802185-01	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
0802185-02	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
BB81904-MS1	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
BB81904-MSD1	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-S8
Date Sampled: 02/15/08 00:00
Percent Solids: 94
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802185
ESS Laboratory Sample ID: 0802185-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/18/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**52.2**	mg/kg dry	39.7		1	02/18/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*78 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-S8
Date Sampled: 02/15/08 00:00
Percent Solids: 94
Initial Volume: 15.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802185
ESS Laboratory Sample ID: 0802185-01
Sample Matrix: Soil
Analyst: MD
Prepared: 02/19/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.40		1	02/19/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*165 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*100 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-S5
Date Sampled: 02/15/08 00:00
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802185
ESS Laboratory Sample ID: 0802185-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 02/18/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	209	mg/kg dry	43.4		1	02/18/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*89 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-S5
Date Sampled: 02/15/08 00:00
Percent Solids: 86
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802185
ESS Laboratory Sample ID: 0802185-02
Sample Matrix: Soil
Analyst: MD
Prepared: 02/19/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**6.01**	mg/kg dry	1.66		1	02/19/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*227 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB81804 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.95*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS										
Decane (C10)	1.48	0.26	mg/kg wet	2.500		59	40-140			
Docosane (C22)	2.04	0.26	mg/kg wet	2.500		81	40-140			
Dodecane (C12)	1.72	0.26	mg/kg wet	2.500		69	40-140			
Eicosane (C20)	2.04	0.26	mg/kg wet	2.500		82	40-140			
Hexacosane (C26)	2.03	0.26	mg/kg wet	2.500		81	40-140			
Hexadecane (C16)	1.85	0.26	mg/kg wet	2.500		74	40-140			
Nonadecane (C19)	2.15	0.26	mg/kg wet	2.500		86	40-140			
Octacosane (C28)	2.06	0.26	mg/kg wet	2.500		83	40-140			
Octadecane (C18)	1.97	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.18	0.26	mg/kg wet	2.500		87	40-140			
Tetradecane (C14)	1.83	0.26	mg/kg wet	2.500		73	40-140			
Surrogate: O-Terphenyl	*3.84*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS Dup										
Decane (C10)	1.56	0.26	mg/kg wet	2.500		62	40-140	5	50	
Docosane (C22)	2.09	0.26	mg/kg wet	2.500		84	40-140	3	50	
Dodecane (C12)	1.82	0.26	mg/kg wet	2.500		73	40-140	6	50	
Eicosane (C20)	2.11	0.26	mg/kg wet	2.500		84	40-140	3	50	
Hexacosane (C26)	2.07	0.26	mg/kg wet	2.500		83	40-140	2	50	
Hexadecane (C16)	1.99	0.26	mg/kg wet	2.500		80	40-140	7	50	
Nonadecane (C19)	2.21	0.26	mg/kg wet	2.500		89	40-140	3	50	
Octacosane (C28)	2.11	0.26	mg/kg wet	2.500		84	40-140	2	50	
Octadecane (C18)	2.05	0.26	mg/kg wet	2.500		82	40-140	4	50	
Tetracosane (C24)	2.15	0.26	mg/kg wet	2.500		86	40-140	2	50	
Tetradecane (C14)	1.93	0.26	mg/kg wet	2.500		77	40-140	5	50	
Surrogate: O-Terphenyl	*3.91*		mg/kg wet	*5.000*		*78*	*40-140*			
Matrix Spike **Source: 0802185-02**										
Decane (C10)	1.80	0.29	mg/kg dry	2.864	ND	63	40-140			
Docosane (C22)	2.34	0.29	mg/kg dry	2.864	ND	82	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB81804 - 3541										
Dodecane (C12)	2.00	0.29	mg/kg dry	2.864	ND	70	40-140			
Eicosane (C20)	2.44	0.29	mg/kg dry	2.864	ND	85	40-140			
Hexacosane (C26)	2.33	0.29	mg/kg dry	2.864	ND	81	40-140			
Hexadecane (C16)	3.07	0.29	mg/kg dry	2.864	ND	107	40-140			
Nonadecane (C19)	2.63	0.29	mg/kg dry	2.864	ND	92	40-140			
Octacosane (C28)	2.41	0.29	mg/kg dry	2.864	ND	84	40-140			
Octadecane (C18)	2.42	0.29	mg/kg dry	2.864	ND	85	40-140			
Tetracosane (C24)	2.40	0.29	mg/kg dry	2.864	ND	84	40-140			
Tetradecane (C14)	2.12	0.29	mg/kg dry	2.864	ND	74	40-140			
Surrogate: O-Terphenyl	*4.62*		mg/kg dry	*5.728*		*81*	*40-140*			
Matrix Spike Dup Source: 0802185-02										
Decane (C10)	2.04	0.29	mg/kg dry	2.850	ND	72	40-140	13	50	
Docosane (C22)	2.62	0.29	mg/kg dry	2.850	ND	92	40-140	11	50	
Dodecane (C12)	2.38	0.29	mg/kg dry	2.850	ND	83	40-140	17	50	
Eicosane (C20)	2.68	0.29	mg/kg dry	2.850	ND	94	40-140	10	50	
Hexacosane (C26)	2.57	0.29	mg/kg dry	2.850	ND	90	40-140	10	50	
Hexadecane (C16)	3.33	0.29	mg/kg dry	2.850	ND	117	40-140	8	50	
Nonadecane (C19)	2.94	0.29	mg/kg dry	2.850	ND	103	40-140	11	50	
Octacosane (C28)	2.67	0.29	mg/kg dry	2.850	ND	94	40-140	10	50	
Octadecane (C18)	2.78	0.29	mg/kg dry	2.850	ND	97	40-140	14	50	
Tetracosane (C24)	2.63	0.29	mg/kg dry	2.850	ND	92	40-140	9	50	
Tetradecane (C14)	2.37	0.29	mg/kg dry	2.850	ND	83	40-140	11	50	
Surrogate: O-Terphenyl	*5.18*		mg/kg dry	*5.700*		*91*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BB81904 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*42.6*		ug/L	*50.00*		*85*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.21*		mg/kg wet	*1.333*		*91*	*70-130*			
LCS										
Gasoline Range Organics	479		ug/L	500.0		96	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*42.0*		ug/L	*50.00*		*84*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.34*		mg/kg wet	*1.333*		*100*	*70-130*			
LCS Dup										
Gasoline Range Organics	478		ug/L	500.0		96	60-140	0.2	20	
Surrogate: 2,5-Dibromotoluene - FID	*42.5*		ug/L	*50.00*		*85*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.32*		mg/kg wet	*1.333*		*99*	*70-130*			
Matrix Spike Source: 0802185-01										
Gasoline Range Organics	565		ug/L	498.8	42.4	105	60-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BB81904 - 5035										
Surrogate: 2,5-Dibromotoluene - FID	*80.3*		ug/L	*50.00*		*161*	*70-130*			*SC*
Surrogate: Trifluorotoluene - FID	*1.40*		mg/kg dry	*1.406*		*100*	*70-130*			
Matrix Spike Dup Source: 0802185-01										
Gasoline Range Organics	543		ug/L	498.8	42.4	100	60-140	4	40	
Surrogate: 2,5-Dibromotoluene - FID	*73.0*		ug/L	*50.00*		*146*	*70-130*			*SC*
Surrogate: Trifluorotoluene - FID	*1.36*		mg/kg dry	*1.406*		*97*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802185

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any ~~of the~~ following:
MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0802185

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF✓ Other_____

Co. Name: TK & K Services
Project #: 1024
Project Name (20 Char. or less):
Contact Person: L Kahrs
Address: 32 Neal Gate
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	2/15/08		X		S	OFFTA-F3-S8	1/6	2	G		X	X											
2	2/15/08		X		S	OFFTA-F3-S5	1/6	2	G		X	X											

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓ [✓] Pickup
Cooler Temp: 4.2°
[ ] Technicians_____

Internal Use Only

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/15/08 1 56 pm	Anthony Dean		Anthony Dean		[signature]	2/15/08 1412
[signature]	2/15/08 1456	[signature]	2/15/08 1456				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Drainage Pipe Removal**

SIZE (linear feet)

Length 453 **Width 15 (ave.)** **Depth 4 (ave.)**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/26/08, following the cast-iron piping south from Area F3 (OWS). This piping led south to a long drainage pipe system thought to be associated with the remnants of the long concrete pad with a variety of above-ground tanks. This piping was 8 inch diameter cast iron that led to a T, which collected flow from the east and west portions of the pad. The depth of the T fitting was approximately 6 feet below grade and the end of each leg of the drainage system was found at approximately 6 inches below grade at the far eastern and western ends of the former pad. No visual indications of the concrete pad was encountered. Additionally, no laterals leading into this drainage pipe were found, other than the piping denoted "Drainage Pipe Northeast," that was later determined to lead to the former location of Building 132. Global also encountered a concrete pad with a one-inch diameter pipe 85 feet east of the T fitting that may have been a fill stand or drainage pipe into the larger system. Also encountered 40 feet west of the T fitting were two 8-inch diameter cast-iron pipes running north-south, but apparently not associated with the drainage pipe system. These pipes were denoted "Drainage Pipe South," but were later identified as the probable fresh and salt water piping leading north to a former fillstand location.

The excavation was performed in three phases - the eastern portion of the pipe to approximately 130 from the T fitting, the entire western portion of the pipe 233 feet from the T fitting and "Drainage Pipe South", followed by Area VP3, then the remaining eastern portion of the system.

Initial screening in all portions of these excavations indicated all locations were below the 2500 ppm criteria. Three stockpiles were created along the western portion, one stockpile along the eastern portion, and one stockpile created during the removal near area VP3. Screening performed on soil samples collected from these stockpiles indicated TPH below the 2500 ppm criteria.

EXCEPTIONS TO WORK PLAN (IF ANY)

Presence of bedrock precluded base sample collection from this excavation between the T fitting and DPE location 130.

No compaction was performed during backfill due to limited width of excavation cut and on-site discussions with Brandon Smith.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Drainage Pipe Removal**

SAMPLING SUMMARY

Soil Samples

Location
DPW-10 – Base sample collected beneath former piping 10 feet west of T fitting
DPE-SP1 - Stockpile samples from drainage pipe east excavation

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
DPW	SP1	NA	72	ND	ND						stockpile North of excavation - MRL=42.6/ 1.63
DPW	SP2	NA	55	ND	ND						stockpile North of excavation - MRL=41.2/ 1.51
DPW	SP3	NA	86	109	ND						MRL=1.75
DPW	20	6	855	109	ND						MRL=1.62
DPW	120	3	70	291	3.05						Piping pad south of DPE
VP3	North	1	269	117	ND						MRL=1.33
VP3	SP1	NA	38	ND	ND						MRL=40.6/ 1.57
DPNE	50	4	739	269	ND						MRL=1.07
DPNE	SP1	NA	383	123	0.79						stockpile west of excavation
DPE	160	3	206	83.4	ND						MRL=1.57
DPE	SP1	NA	0	ND	ND						MRL=42.1/ 1.53
DPE	SP2	NA	100	166	ND						MRL=1.58

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **8.0**

Depth to Bedrock (feet) **12.0**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt - Bedrock is weathered shale**

Odors Present? Yes ☐ No ☒

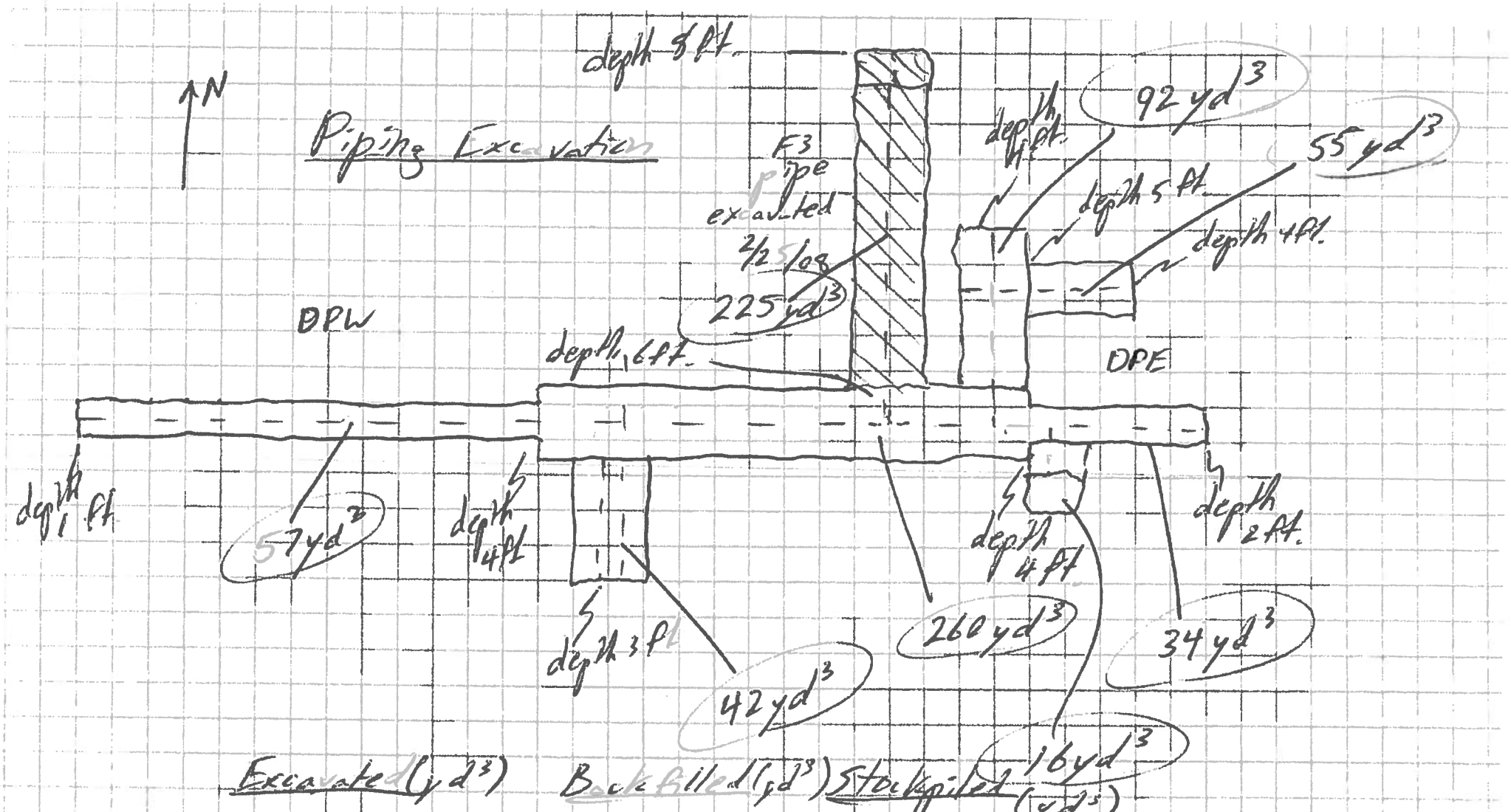
Stained Soil Present? Yes ☐ No ☒

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 781* CY
* estimated – through 2/28/08

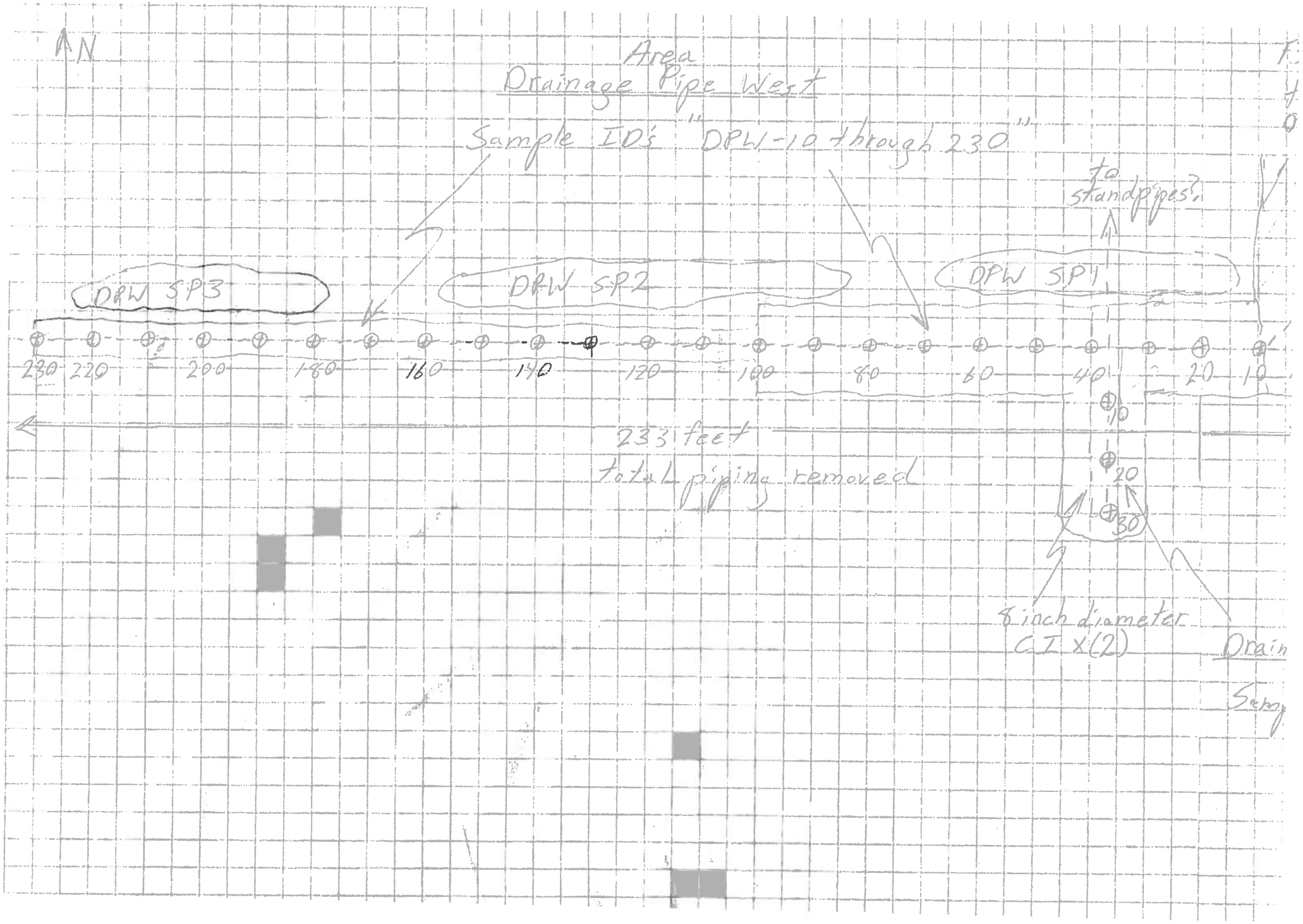
TK&K SERVICES

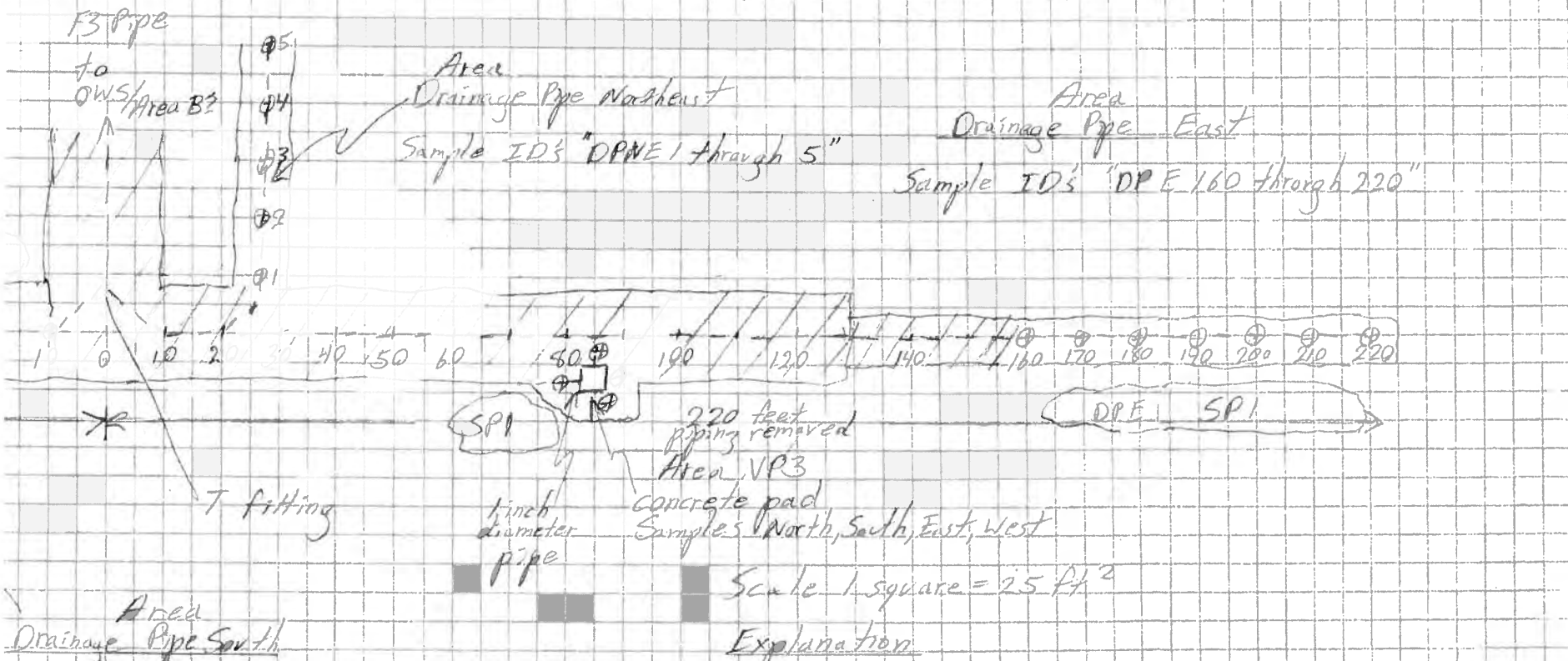


	Excavated (yd³)	Backfilled (yd³)	Stockpiled (yd³)
2/25/08	225		35
2/26/08	180	343	27
2/27/08	376	320	56
Totals	781 (yd³)	663 yd³	118 yd³

Scale
1 square = 100 ft²

AKah
2/28/08


N
Area
Drainage Pipe West
Sample ID's "DPW-10 through 230"
to standpipes?
DPW SP3
DPW SP2
DPW SP1
230
220
200
180
160
140
120
100
80
60
40
20
10
10
20
30
233 feet
total piping removed
8 inch diameter
CI X(2)
Drain
Samp



Scale 1 square = 25 ft²

Area
Drainage Pipe South
Samples "DPS 10 through 30"

Explanation

Bedrock (ledge) encountered, no sample collected

Piping encountered and removed

Soil sampling location

SP02 - Stockpile Location

L. Kahis
6/25/98

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/27/08
Operator: ED Kuiga
Location: NEWPORT FFTA

Calibration Time/Date: 12:32 2/27/08
Calibration Temperature: 20.5°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	BLANK	ϕ	2/27/08 1230	0	1	7		
2	STANDARD	ϕ		1000	1	7		
3	DPW-10	10g		15	1	7	15	
4	DPW-20			855	1	7	855	
5	DPW-30			17	1	7	17	
6	DPW-40			190	1	7	190	
7	DPW-50			42	1	7	42	
8	DPW-60			93	1	7	93	
9	DPW-70			30	1	7	30	
10	DPW-80			105	1	7	105	
11	DPW-90			75	1	7	75	
12	DPW-100			178	1	7	178	
13	DPW-100(D)			332	1	7	332	
14	Blank	ϕ	2/27/08 1:11	0	1	7		
15	Standard	ϕ		1000	1	7		
16	DPW-110	10g	150	150	1	7		
17	DPW-120			70	1	7		
18	DPW-130			231	1	7		
19	DPW-140			114	1	7		
20	DPW-150			138	1	7		

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/27/08
Operator: Ed Kurja
Location: Newport FFTA

Calibration Time/Date: 1:11 2/27/08
Calibration Temperature: 20.5°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	DPW-160	10g		24	1	7	24	
2	DPW-170			68			68	
3	DPW-180			55			55	
4	DPW-190			188			188	
5	DPW-200			155			155	
6	~~DPW~~ Standard	0	1:11 2/27/08	1000				
7	Blank	0	1:11 2/27/08	0				
8	DPW-210			~~1000~~ 54			54	
9	DPW-220			95			95	
10	DPW-230			33			33	
11	VP3-North			269			269	
12	VP3-North (D)			405			405	
13	VP3-South			184			184	
14	VP3-West			51			51	
15	VP3-SP1			38			38	
16	DPW-SP1			72			72	
17	DPW-SP2			55			55	
18	DPW-SP3			86			86	
19	Blank		2/27/08 4:18	0				
20	Standard		2/27/08 4:18	1000				

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

page 3 of 3 ? (8)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/27/08
Operator: Ed Kurjs
Location: FFTA

Calibration Time/Date: ~~19.8°C~~ 2/27/08 4:18
Calibration Temperature: 19.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	DPNE 10	10g	2/27/08 4:20	538	1	7	538	
2	DPNE 20	10g	2/27/08	1965	1	7	1965	
3	DPNE 30			1405	1	7	1405	
4	DPNE 40			377				
5	DPNE 50			739				
6	DPS 10			190				
7	DPS 20			229				
8	DPS 30			456				
9	~~DPNE 10~~							
10	DPNE SP1			383				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(13)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 3/18/08
Operator: L Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1315 3/13/08
Calibration Temperature: 20.1C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blk.	—	3/18/08	Ø	1.0	7		
2	Std.	—		1000				
3	DPE-SPIK1	10.0		Ø				
4	DPE-160			206				
5	DPE-170			6				
6	DPE-180			60				
7	DPE-190			Ø				
8	DPE-200			48				
9	DPE-210			17				
10	DPE-220			35				
11	DPNE-SPIK2			100				
12	DPNE-60			127				
13	DPNE-70			107				
14	DPNE-80			54				
15	DPNE-90			59				
16	DPNE-100		not run-out					
17	DPNE-110		of reagent kits ⟹ hold					
18	DPNE-120		samples until tomorrow					
19	Std.							
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802308

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 06, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 27, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802308-01	Soil	OFFTA-DWP-SP1
0802308-02	Soil	OFFTA-DWP-SP2
0802308-03	Soil	OFFTA-DWP-SP3
0802308-04	Soil	OFFTA-DPW-20
0802308-05	Soil	OFFTA-DPW-120
0802308-06	Soil	OFFTA-VP3-North
0802308-07	Soil	OFFTA-VP3-SP1
0802308-08	Soil	OFFTA-DPNE-50
0802308-09	Soil	OFFTA-DPNE-SP1

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

PROJECT NARRATIVE

8015M Gasoline Range Organics / Methanol
0802308-04 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP1
Date Sampled: 02/27/08 11:15
Percent Solids: 88
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-01
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	42.6		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP1
Date Sampled: 02/27/08 11:15
Percent Solids: 88
Initial Volume: 14.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-01
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.63		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*129 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*89 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP2
Date Sampled: 02/27/08 11:15
Percent Solids: 91
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-02
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	41.2		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*74 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP2
Date Sampled: 02/27/08 11:15
Percent Solids: 91
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-02
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.51		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*122 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*91 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP3
Date Sampled: 02/27/08 11:15
Percent Solids: 89
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-03
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**109**	mg/kg dry	41.7		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DWP-SP3
Date Sampled: 02/27/08 11:15
Percent Solids: 89
Initial Volume: 13.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-03
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.75		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*122 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*86 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPW-20
Date Sampled: 02/27/08 11:15
Percent Solids: 92
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-04
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**109**	mg/kg dry	40.6		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*65 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPW-20
Date Sampled: 02/27/08 11:15
Percent Solids: 92
Initial Volume: 13.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-04
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.62		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*150 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*87 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPW-120
Date Sampled: 02/27/08 11:15
Percent Solids: 87
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-05
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**291**	mg/kg dry	43.3		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPW-120
Date Sampled: 02/27/08 11:15
Percent Solids: 87
Initial Volume: 14.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-05
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**3.05**	mg/kg dry	1.66		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*130 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*79 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-VP3-North
Date Sampled: 02/27/08 11:15
Percent Solids: 95
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-06
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	117	mg/kg dry	39.3		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*68 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-VP3-North
Date Sampled: 02/27/08 11:15
Percent Solids: 95
Initial Volume: 16
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-06
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.30		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*118 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*80 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-VP3-SP1
Date Sampled: 02/27/08 11:15
Percent Solids: 91
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-07
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	40.6		1	03/01/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-VP3-SP1
Date Sampled: 02/27/08 11:15
Percent Solids: 91
Initial Volume: 14.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-07
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.57		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*109 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*77 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-50
Date Sampled: 02/27/08 15:20
Percent Solids: 89
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-08
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**269**	mg/kg dry	82.2		2	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*90 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-50
Date Sampled: 02/27/08 15:20
Percent Solids: 89
Initial Volume: 15.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-08
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.07		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*127 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*92 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-SP1
Date Sampled: 02/27/08 15:20
Percent Solids: 88
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-09
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**123**	mg/kg dry	42.4		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*65 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-SP1
Date Sampled: 02/27/08 15:20
Percent Solids: 88
Initial Volume: 28.6
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0802308
ESS Laboratory Sample ID: 0802308-09
Sample Matrix: Soil
Analyst: MD
Prepared: 03/04/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	0.790	mg/kg dry	0.667		1	03/05/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*125 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*100 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB82809 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.23*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS										
Decane (C10)	1.61	0.26	mg/kg wet	2.500		65	40-140			
Docosane (C22)	2.16	0.26	mg/kg wet	2.500		86	40-140			
Dodecane (C12)	1.76	0.26	mg/kg wet	2.500		71	40-140			
Eicosane (C20)	2.15	0.26	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Hexadecane (C16)	1.92	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Octacosane (C28)	2.14	0.26	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	2.05	0.26	mg/kg wet	2.500		82	40-140			
Tetracosane (C24)	2.20	0.26	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.74	0.26	mg/kg wet	2.500		69	40-140	7	50	
Docosane (C22)	2.22	0.26	mg/kg wet	2.500		89	40-140	3	50	
Dodecane (C12)	1.92	0.26	mg/kg wet	2.500		77	40-140	8	50	
Eicosane (C20)	2.26	0.26	mg/kg wet	2.500		90	40-140	5	50	
Hexacosane (C26)	2.19	0.26	mg/kg wet	2.500		88	40-140	3	50	
Hexadecane (C16)	2.08	0.26	mg/kg wet	2.500		83	40-140	8	50	
Nonadecane (C19)	2.31	0.26	mg/kg wet	2.500		93	40-140	7	50	
Octacosane (C28)	2.22	0.26	mg/kg wet	2.500		89	40-140	4	50	
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		88	40-140	8	50	
Tetracosane (C24)	2.27	0.26	mg/kg wet	2.500		91	40-140	3	50	
Tetradecane (C14)	2.02	0.26	mg/kg wet	2.500		81	40-140	7	50	
Surrogate: O-Terphenyl	*4.18*		mg/kg wet	*5.000*		*84*	*40-140*			
Matrix Spike **Source: 0802308-06**										
Decane (C10)	1.61	0.27	mg/kg dry	2.606	ND	62	40-140			
Docosane (C22)	2.26	0.27	mg/kg dry	2.606	ND	87	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB82809 - 3541										
Dodecane (C12)	1.72	0.27	mg/kg dry	2.606	ND	66	40-140			
Eicosane (C20)	2.31	0.27	mg/kg dry	2.606	ND	89	40-140			
Hexacosane (C26)	2.32	0.27	mg/kg dry	2.606	ND	89	40-140			
Hexadecane (C16)	1.98	0.27	mg/kg dry	2.606	ND	76	40-140			
Nonadecane (C19)	2.27	0.27	mg/kg dry	2.606	0.181	80	40-140			
Octacosane (C28)	2.40	0.27	mg/kg dry	2.606	ND	92	40-140			
Octadecane (C18)	2.22	0.27	mg/kg dry	2.606	0.157	79	40-140			
Tetracosane (C24)	2.36	0.27	mg/kg dry	2.606	ND	90	40-140			
Tetradecane (C14)	1.84	0.27	mg/kg dry	2.606	ND	71	40-140			
Surrogate: O-Terphenyl	*3.39*		mg/kg dry	*5.211*		*65*	*40-140*			
Matrix Spike Dup Source: 0802308-06										
Decane (C10)	1.49	0.27	mg/kg dry	2.618	ND	57	40-140	8	50	
Docosane (C22)	2.22	0.27	mg/kg dry	2.618	ND	85	40-140	2	50	
Dodecane (C12)	1.59	0.27	mg/kg dry	2.618	ND	61	40-140	8	50	
Eicosane (C20)	2.26	0.27	mg/kg dry	2.618	ND	86	40-140	2	50	
Hexacosane (C26)	2.26	0.27	mg/kg dry	2.618	ND	86	40-140	3	50	
Hexadecane (C16)	1.94	0.27	mg/kg dry	2.618	ND	74	40-140	2	50	
Nonadecane (C19)	2.17	0.27	mg/kg dry	2.618	0.181	76	40-140	4	50	
Octacosane (C28)	2.36	0.27	mg/kg dry	2.618	ND	90	40-140	2	50	
Octadecane (C18)	2.14	0.27	mg/kg dry	2.618	0.157	76	40-140	3	50	
Tetracosane (C24)	2.31	0.27	mg/kg dry	2.618	ND	88	40-140	2	50	
Tetradecane (C14)	1.71	0.27	mg/kg dry	2.618	ND	65	40-140	7	50	
Surrogate: O-Terphenyl	*3.41*		mg/kg dry	*5.237*		*65*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC80423 - 5035										
Blank										
Gasoline Range Organics	*ND*	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*60.3*		ug/L	*50.00*		*121*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.18*		mg/kg wet	*1.333*		*89*	*70-130*			
LCS										
Gasoline Range Organics	467		ug/L	500.0		93	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*55.9*		ug/L	*50.00*		*112*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.36*		mg/kg wet	*1.333*		*102*	*70-130*			
LCS Dup										
Gasoline Range Organics	451		ug/L	500.0		90	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*57.6*		ug/L	*50.00*		*115*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.31*		mg/kg wet	*1.333*		*99*	*70-130*			
Matrix Spike Source: 0802308-01										
Gasoline Range Organics	495		ug/L	497.7	19.6	96	60-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BC80423 - 5035										
Surrogate: 2,5-Dibromotoluene - FID	*63.3*		ug/L	*50.00*		*127*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.32*		mg/kg dry	*1.553*		*85*	*70-130*			
Matrix Spike Dup Source: 0802308-01										
Gasoline Range Organics	499		ug/L	497.7	19.6	96	60-140	0.9	40	
Surrogate: 2,5-Dibromotoluene - FID	*60.8*		ug/L	*50.00*		*122*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.28*		mg/kg dry	*1.553*		*82*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802308

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required # ✓
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ___
Is this project for any of the following:
MA-MCP (Navy) USACE Other ___

Reporting Limits

ESS LAB PROJECT ID: 0802308

Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ✓ Other ___

Co. Name: TK's K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate
City: Scituate
State: MA
Zip: 02066
PO#:
Telephone #: (781) 545-7555
Fax #:
Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/surgets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) wHg					
1	2/27/08	1115	X		SO	OFFTA-DWP-SP1	1/6	2	G		X	X											
2	↓	↓	↓	gal	↓	DWP-SP2	↓	↓	↓		↓	↓											
3						↓ DWP-SP3																	
4						OFFTA-DPW-20																	
5						↓ DPW-120																	
6						↓ - VP3-North																	
7		↓	↓			↓ VP3-SP1																	
8		1520	X		✓	OFFTA-DPNE-50																	
9	↓	↓	↓			OFFTA-DPNE-SP1	↓	↓	↓		↓	↓											

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.2°

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/27/08 1547	[signature]	2/27/08 1547	[signature]	2/27/08 1628	[signature]	2/27/08 1628
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0803216

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 24, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on March 18, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803216-01	Soil	OFFTA-DPE-160
0803216-02	Soil	OFFTA-DPE-SP1
0803216-03	Soil	OFFTA-DPNE-SP2

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPE-160
Date Sampled: 03/18/08 09:45
Percent Solids: 87
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/19/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**83.4**	mg/kg dry	42.9		1	03/19/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*66 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPE-160
Date Sampled: 03/18/08 09:45
Percent Solids: 87
Initial Volume: 15.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-01
Sample Matrix: Soil
Analyst: MD
Prepared: 03/20/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.57		1	03/20/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*109 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*87 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPE-SP1
Date Sampled: 03/18/08 09:45
Percent Solids: 89
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/19/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	42.1		1	03/19/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*68 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPE-SP1
Date Sampled: 03/18/08 09:45
Percent Solids: 89
Initial Volume: 15.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-02
Sample Matrix: Soil
Analyst: MD
Prepared: 03/20/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.53		1	03/20/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*115 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*82 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-SP2
Date Sampled: 03/18/08 09:45
Percent Solids: 88
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/19/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**166**	mg/kg dry	42.2		1	03/19/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-DPNE-SP2
Date Sampled: 03/18/08 09:45
Percent Solids: 88
Initial Volume: 15.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803216
ESS Laboratory Sample ID: 0803216-03
Sample Matrix: Soil
Analyst: MD
Prepared: 03/20/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.58		1	03/20/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*121 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*83 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BC81921 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.00*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS										
Decane (C10)	1.41	0.26	mg/kg wet	2.500		56	40-140			
Docosane (C22)	2.14	0.26	mg/kg wet	2.500		85	40-140			
Dodecane (C12)	1.68	0.26	mg/kg wet	2.500		67	40-140			
Eicosane (C20)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Hexacosane (C26)	2.16	0.26	mg/kg wet	2.500		86	40-140			
Hexadecane (C16)	1.94	0.26	mg/kg wet	2.500		78	40-140			
Nonadecane (C19)	2.13	0.26	mg/kg wet	2.500		85	40-140			
Octacosane (C28)	2.16	0.26	mg/kg wet	2.500		86	40-140			
Octadecane (C18)	1.97	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.27	0.26	mg/kg wet	2.500		91	40-140			
Tetradecane (C14)	1.81	0.26	mg/kg wet	2.500		73	40-140			
Surrogate: O-Terphenyl	*3.95*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS Dup										
Decane (C10)	1.28	0.26	mg/kg wet	2.500		51	40-140	10	50	
Docosane (C22)	2.11	0.26	mg/kg wet	2.500		84	40-140	1	50	
Dodecane (C12)	1.55	0.26	mg/kg wet	2.500		62	40-140	8	50	
Eicosane (C20)	2.05	0.26	mg/kg wet	2.500		82	40-140	0.9	50	
Hexacosane (C26)	2.14	0.26	mg/kg wet	2.500		85	40-140	1	50	
Hexadecane (C16)	1.80	0.26	mg/kg wet	2.500		72	40-140	8	50	
Nonadecane (C19)	2.09	0.26	mg/kg wet	2.500		84	40-140	2	50	
Octacosane (C28)	2.14	0.26	mg/kg wet	2.500		86	40-140	1	50	
Octadecane (C18)	1.88	0.26	mg/kg wet	2.500		75	40-140	4	50	
Tetracosane (C24)	2.27	0.26	mg/kg wet	2.500		91	40-140	0.07	50	
Tetradecane (C14)	1.68	0.26	mg/kg wet	2.500		67	40-140	8	50	
Surrogate: O-Terphenyl	*3.78*		mg/kg wet	*5.000*		*76*	*40-140*			
Matrix Spike **Source: 0803216-01**										
Decane (C10)	1.95	0.29	mg/kg dry	2.859	ND	68	40-140			
Docosane (C22)	2.68	0.29	mg/kg dry	2.859	ND	94	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BC81921 - 3541										
Dodecane (C12)	2.09	0.29	mg/kg dry	2.859	ND	73	40-140			
Eicosane (C20)	2.68	0.29	mg/kg dry	2.859	ND	94	40-140			
Hexacosane (C26)	3.02	0.29	mg/kg dry	2.859	ND	106	40-140			
Hexadecane (C16)	2.45	0.29	mg/kg dry	2.859	ND	86	40-140			
Nonadecane (C19)	2.62	0.29	mg/kg dry	2.859	ND	92	40-140			
Octacosane (C28)	3.31	0.29	mg/kg dry	2.859	ND	116	40-140			
Octadecane (C18)	2.55	0.29	mg/kg dry	2.859	ND	89	40-140			
Tetracosane (C24)	2.92	0.29	mg/kg dry	2.859	ND	102	40-140			
Tetradecane (C14)	2.29	0.29	mg/kg dry	2.859	ND	80	40-140			
Surrogate: O-Terphenyl	*4.03*		mg/kg dry	*5.719*		*70*	*40-140*			
Matrix Spike Dup Source: 0803216-01										
Decane (C10)	2.06	0.29	mg/kg dry	2.874	ND	72	40-140	6	50	
Docosane (C22)	2.63	0.29	mg/kg dry	2.874	ND	92	40-140	2	50	
Dodecane (C12)	2.21	0.29	mg/kg dry	2.874	ND	77	40-140	5	50	
Eicosane (C20)	2.62	0.29	mg/kg dry	2.874	ND	91	40-140	2	50	
Hexacosane (C26)	2.87	0.29	mg/kg dry	2.874	ND	100	40-140	5	50	
Hexadecane (C16)	2.47	0.29	mg/kg dry	2.874	ND	86	40-140	0.8	50	
Nonadecane (C19)	2.51	0.29	mg/kg dry	2.874	ND	87	40-140	4	50	
Octacosane (C28)	2.88	0.29	mg/kg dry	2.874	ND	100	40-140	14	50	
Octadecane (C18)	2.55	0.29	mg/kg dry	2.874	ND	89	40-140	0.3	50	
Tetracosane (C24)	2.84	0.29	mg/kg dry	2.874	ND	99	40-140	3	50	
Tetradecane (C14)	2.43	0.29	mg/kg dry	2.874	ND	85	40-140	6	50	
Surrogate: O-Terphenyl	*3.75*		mg/kg dry	*5.747*		*65*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC82015 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*55.4*		ug/L	*50.00*		*111*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.25*		mg/kg wet	*1.333*		*94*	*70-130*			
LCS										
Gasoline Range Organics	452		ug/L	500.0		90	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*51.6*		ug/L	*50.00*		*103*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.21*		mg/kg wet	*1.333*		*91*	*70-130*			
LCS Dup										
Gasoline Range Organics	465		ug/L	500.0		93	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*51.0*		ug/L	*50.00*		*102*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.22*		mg/kg wet	*1.333*		*91*	*70-130*			
Matrix Spike Source: 0803216-01										
Gasoline Range Organics	472		ug/L	497.3	22.7	90	60-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BC82015 - 5035										
Surrogate: 2,5-Dibromotoluene - FID	*53.1*		ug/L	*50.00*		*106*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.18*		mg/kg dry	*1.470*		*80*	*70-130*			
Matrix Spike Dup Source: 0803216-01										
Gasoline Range Organics	475		ug/L	497.3	22.7	91	60-140	0.6	40	
Surrogate: 2,5-Dibromotoluene - FID	*55.2*		ug/L	*50.00*		*110*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.17*		mg/kg dry	*1.470*		*79*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803216

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5-day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0803216

Electronic Deliverable ___ Yes ___ No
Format: Excel__ Access__ PDF__ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TK+K	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	3/18/08	0945	X		S	OFFTA-DPE-160	1/6	2	G		X	X											
2	↓	↓	↓		↓	OFFTA-DPE-SP1	↓	↓	↓		↓	↓											
3	↓	↓	↓		↓	OFFTA-DPNE-SP2	↓	↓	↓		↓	↓											

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.4°

Internal Use Only
[✓] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3/18/08 1523	[signature]	3/18/08 1523	[signature]	3/18/08 1605	[signature]	3/18/08 1605
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

AREA DESIGNATION **F3 Piping Removal**

SIZE (linear feet)

Length 80 **Width 16** **Depth 8**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation commenced on 2/25/08, following the 12 inch diameter cast-iron piping south from Area F3 (OWS). This piping led south to a long drainage pipe system thought to be associated with the remnants of the long concrete pad with a variety of above-ground tanks. This piping was 12 inch diameter cast iron that led to a T fitting, which collected flow from the east and west portions of the pad. The depth of the T fitting was approximately 6 feet below grade and the northern end of the piping was encountered at approximately 8 feet below grade.

One sample of fractured bedrock material was collected immediately beneath the T fitting. Samples were also collected from the interior of the western and easten legs of the drainage piping. Two stockpiles were created along the western portion of the excavation and samples collected from these stockpiles indicated TPH below the 2500 ppm criteria. This summary also includes the results of the screening performed on the two stockpiles generated as the piping removal proceeded towards the east.

EXCEPTIONS TO WORK PLAN (IF ANY)

Presence of bedrock precluded base sample collection from this excavation.

AREA DESIGNATION **F3 Piping Removal**

SAMPLING SUMMARY

Soil Samples

Location
F3P-S1 – Base sample collected beneath T fitting
F3-SP01 - Stockpile samples from drainage pipe east excavation

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	
F3	P-S1	6.0	2634	607	ND						MRL=1.63
F3	P-S1(D)	6.0	1302	NA	NA						not analyzed off-site
F3	EP-01	6.0	EEEE	36500	3.76						MRL=1.4
F3	WP-01	6.0	EEEE	41700	ND						MRL=1.83
F3	SP01	NA	28	ND	ND						stockpile NW of excavation - MRL=41.2/ 1.42
F3	SP02	NA	88	51.4	ND						
F3	EP-SP01	NA	84	81.9	ND						MRL=1.63
F3	EP-SP02	NA	37	136	ND						MRL=1.55

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **NA**

Depth to Bedrock (feet) **8.0**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt - Bedrock is weathered shale**

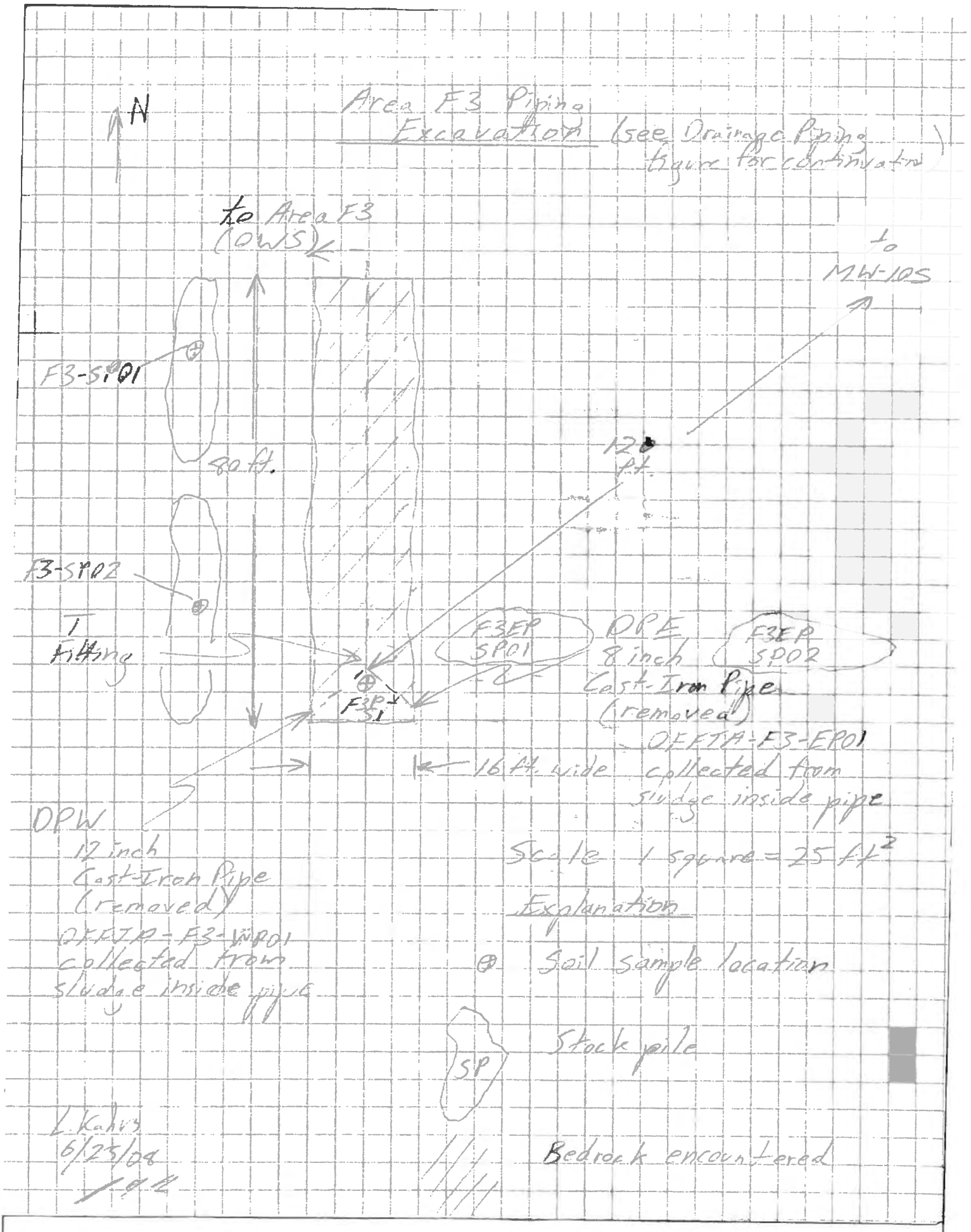
Odors Present? Yes ☐ No ☒

Stained Soil Present? Yes ☐ No ☒

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☒ No ☐

If so, Estimated Volume 225 CY
* estimated – this excavation performed as a test pit



L. Kahrs
6/23/08

(8)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 2/26/08
Operator: J. Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1000 2/26/08
Calibration Temperature: 19.8C
18.8C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	—	1000 2/26/08	Ø	1	7		
2	std.	—		1000	1			
3	F3-SP01	10.0		28	1			
4	F3-SP02	10.0		88	1			
5	F3P-S1	5.0		1317	2		2634	
6	F3WP-01	1.0		EEEE	10			
7	F3EP-01	1.0		EEEE	10			
8	F3P-S1(D)	5.0		651	2		1302	
9	F3-EP	10.0	1144	84				
10		10.0		37				
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802296

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 04, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 26, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802296-01	Solid	OFFTA-AS-02
0802296-02	Soil	OFFTA-F3-SP01
0802296-03	Soil	OFFTA-F3-SP02
0802296-04	Soil	OFFTA-F3P-S1
0802296-05	Soil	OFFTA-F3 WP01
0802296-06	Soil	OFFTA-F3 EP01
0802296-07	Soil	OFFTA-F3EP-SP01
0802296-08	Soil	OFFTA-F3EP-SP02
0802296-09	Solid	Trip Blank

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802296

PROJECT NARRATIVE

8015M Diesel Range Organics

0802296-05	**Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**
0802296-06	**Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8015M Gasoline Range Organics / Methanol

0802296-04	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
0802296-05	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
0802296-06	**Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-AS-02
Date Sampled: 02/25/08 16:17
Percent Solids: N/A

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-01
Sample Matrix: Solid

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/kg wet	1.3	6010B		1	KAB	02/27/08	1.5	20

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-SP01
Date Sampled: 02/26/08 09:00
Percent Solids: 91
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-02
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	41.2		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*82 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-SP01
Date Sampled: 02/26/08 09:00
Percent Solids: 91
Initial Volume: 15.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-02
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.46		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*126 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*92 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-SP02
Date Sampled: 02/26/08 09:00
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-03
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**51.4**	mg/kg dry	39.9		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3-SP02
Date Sampled: 02/26/08 09:00
Percent Solids: 93
Initial Volume: 15.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-03
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.40		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*119 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*91 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3P-S1
Date Sampled: 02/26/08 09:00
Percent Solids: 85
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-04
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**607**	mg/kg dry	43.7		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3P-S1
Date Sampled: 02/26/08 09:00
Percent Solids: 85
Initial Volume: 15.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-04
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.63		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*166 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*93 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3 WP01
Date Sampled: 02/26/08 09:00
Percent Solids: 61
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-05
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	41700	mg/kg dry	615		10	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	%	SM	40-140

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3 WP01
Date Sampled: 02/26/08 09:00
Percent Solids: 61
Initial Volume: 15.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-05
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	2.83		1	03/04/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*190 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*66 %*	*SC*	*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3 EP01
Date Sampled: 02/26/08 09:00
Percent Solids: 65
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-06
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**36500**	mg/kg dry	568		10	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	%	SM	40-140

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3 EP01
Date Sampled: 02/26/08 09:00
Percent Solids: 65
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-06
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	3.76	mg/kg dry	2.60		1	03/04/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*123 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*49 %*	*SC*	*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3EP-SP01
Date Sampled: 02/26/08 11:44
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-07
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**81.9**	mg/kg dry	43.0		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3EP-SP01
Date Sampled: 02/26/08 11:44
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-07
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.63		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*115 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3EP-SP02
Date Sampled: 02/26/08 11:44
Percent Solids: 88
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-08
Sample Matrix: Soil
Analyst: ML
Prepared: 02/28/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**136**	mg/kg dry	42.2		1	02/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-F3EP-SP02
Date Sampled: 02/26/08 11:44
Percent Solids: 88
Initial Volume: 15.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-08
Sample Matrix: Soil
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.55		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*115 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*92 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Trip Blank
Date Sampled: 02/26/08 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0802296
ESS Laboratory Sample ID: 0802296-09
Sample Matrix: Solid
Analyst: MD
Prepared: 03/03/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg	1.25		1	03/03/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*114 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*90 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802296

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BB82718 - 3050B										
Blank										
Lead	ND	1.3	mg/kg wet							
LCS										
Lead	6.36	1.3	mg/kg wet	6.667		95	80-120			
LCS Dup										
Lead	6.46	1.3	mg/kg wet	6.667		97	80-120	2	20	
8015M Diesel Range Organics										
Batch BB82809 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.23*		mg/kg wet	*5.000*		*85*	*40-140*			
LCS										
Decane (C10)	1.61	0.26	mg/kg wet	2.500		65	40-140			
Docosane (C22)	2.16	0.26	mg/kg wet	2.500		86	40-140			
Dodecane (C12)	1.76	0.26	mg/kg wet	2.500		71	40-140			
Eicosane (C20)	2.15	0.26	mg/kg wet	2.500		86	40-140			
Hexacosane (C26)	2.12	0.26	mg/kg wet	2.500		85	40-140			
Hexadecane (C16)	1.92	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Octacosane (C28)	2.14	0.26	mg/kg wet	2.500		85	40-140			
Octadecane (C18)	2.05	0.26	mg/kg wet	2.500		82	40-140			
Tetracosane (C24)	2.20	0.26	mg/kg wet	2.500		88	40-140			
Tetradecane (C14)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.74	0.26	mg/kg wet	2.500		69	40-140	7	50	
Docosane (C22)	2.22	0.26	mg/kg wet	2.500		89	40-140	3	50	
Dodecane (C12)	1.92	0.26	mg/kg wet	2.500		77	40-140	8	50	
Eicosane (C20)	2.26	0.26	mg/kg wet	2.500		90	40-140	5	50	
Hexacosane (C26)	2.19	0.26	mg/kg wet	2.500		88	40-140	3	50	
Hexadecane (C16)	2.08	0.26	mg/kg wet	2.500		83	40-140	8	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802296

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BB82809 - 3541										
Nonadecane (C19)	2.31	0.26	mg/kg wet	2.500		93	40-140	7	50	
Octacosane (C28)	2.22	0.26	mg/kg wet	2.500		89	40-140	4	50	
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		88	40-140	8	50	
Tetracosane (C24)	2.27	0.26	mg/kg wet	2.500		91	40-140	3	50	
Tetradecane (C14)	2.02	0.26	mg/kg wet	2.500		81	40-140	7	50	
Surrogate: O-Terphenyl	*4.18*		mg/kg wet	*5.000*		*84*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC80326 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*54.9*		ug/L	*50.00*		*110*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.18*		mg/kg wet	*1.333*		*88*	*70-130*			
LCS										
Gasoline Range Organics	466		ug/L	500.0		93	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*54.7*		ug/L	*50.00*		*109*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.39*		mg/kg wet	*1.333*		*104*	*70-130*			
LCS Dup										
Gasoline Range Organics	470		ug/L	500.0		94	60-140	0.8	20	
Surrogate: 2,5-Dibromotoluene - FID	*56.7*		ug/L	*50.00*		*113*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.41*		mg/kg wet	*1.333*		*106*	*70-130*			
Matrix Spike Source: 0802296-02										
Gasoline Range Organics	506		ug/L	498.2	16.2	98	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*53.3*		ug/L	*50.00*		*107*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.25*		mg/kg dry	*1.424*		*88*	*70-130*			
Matrix Spike Dup Source: 0802296-02										
Gasoline Range Organics	513		ug/L	498.2	16.2	100	60-140	1	40	
Surrogate: 2,5-Dibromotoluene - FID	*47.8*		ug/L	*50.00*		*96*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.32*		mg/kg dry	*1.424*		*93*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802296

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802296

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
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www.esslaboratory.com

CHAIN OF CUSTODY

Page ____ of ____

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ____
Is this project for any of the following:
MA-MCP (Navy) USACE Other ____

Reporting Limits

ESS LAB PROJECT ID: 0802296

Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ✓ Other ____

Co. Name	Project #	Project Name (20 Char. or less)
TK&K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 524.2	624	8021 MTBE/BTEX / 8015 GRO	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs	EPH 4 Diesel	8081 Pesticides / 8082 PCB	608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	Total lead			
1	2/25/08	1617	X		F	OFFTA-AS-02	1	1	cartridge													X			
2	2/26/08	0900	X		S	OFFTA-F3-SP01	1/6	2	G			X	X												
3	↓	↓	↓		↓	↓ -F3-SP02	↓	2	↓			↓	↓												
4						F3P-S1		2																	
5						F3WP01		2																	
6		↓			↓	↓ F3EP01	↓	2	↓			↓	↓												
7		1144			S	OFFTA-F3EP-SP01	1/6	2																	
8	↓	1144	↓		↓	↓ F3EP-SP02	↓	2	↓			↓	↓												
9						Trip Blank							X												

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No Internal Use Only
Seals Intact ___ Yes ___ No NA: ✓ [ ] Pickup
Cooler Temp: 4.4°
[ ] Technicians ____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/26/08 1535	[signature]	2/26/08 1535	[signature]	2/26/08 1619	[signature]	2/26/08 1619
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Test Pits 5, 6, 8, 18**

DESCRIPTION OF EXCAVATION ACTIVITIES

Excavation activity commenced under the direction of TtNUS on 9/2/2008 at four locations identified by RIDEM and EPA for informational purposes including visual examination, petroflag analysis and laboratory analysis.. All locations were located west of building 144 adjacent to the Taylor Drive site fence. All excavation were left open overnight to recharge groundwater, oily sheen was noted in test pits TP-18 ST, TP-8, and TP-6. An oil water interface probe capable of measuring 1/8" of product was used to confirm that no measurable product was present in any of the test pits after 24 hours. Excavated soils were returned to the test pit for backfilling.

TP-5

SIZE (linear feet)
Length 15' Width 12' Depth 8'

The southeast corner of Test Pit 5 was located approximately 375' west of building 144 and 22' north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6' below ground surface (bgs) the excavation was then advanced an additional 2' to collect a base sample for petroflag analysis. A strong petroleum odor was present in soils greater than 6' in depth. Base (TP-5 B) and sidewall samples (TP-5 N, TP-5 S, TP-5 E, TP-5 W) were collected for petroflag screening on 9/2/2008. Additional base and composite sidewall samples were collected on 9/3/2008 for laboratory analysis at the request of RIDEM. The excavation was left open overnight from 9/2 to 9/3

TP-6

SIZE (linear feet)
Length 17' Width 10' Depth 8'

The southeast corner of Test Pit 6 was located approximately 202' west of building 144 and 39' north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6' below ground surface (bgs) the excavation was then advanced an additional 2' to collect a base sample for petroflag analysis. A strong petroleum odor was present in soils greater than 6' in depth. Base (TP-6 B) and sidewall samples (TP-6 N, TP-6 S, TP-6 E, TP-6 W) were collected for petroflag screening on 9/2/2008.

TP-8

SIZE (linear feet)
Length 15' Width 10' Depth 8'

The southeast corner of Test Pit 8 was located approximately 284' west of building 144 and 36' north of the site fence adjacent to Taylor Drive. Groundwater was encountered at approximately 6' below ground surface (bgs) the excavation was then advanced an additional 2' to collect a base sample for petroflag analysis. A strong petroleum odor was present in soils greater than 6' in depth. Base (TP-8 B) and sidewall samples (TP- 8 N, TP-8 S, TP-8 E, TP-8 W) were collected for petroflag screening on 9/2/2008. Additional base and composite base samples were collected on 9/3/2008 for laboratory analysis at the request of RIDEM.

TP-18

TP-18 was requested by RIDEM to confirm that an underground storage tank(UST) shown in historical drawings in this area had been previously removed. Due to utilities identified within the proposed test pit

limits three trenches were excavated rather than one larger test pit within the former location of the UST. Each of the trenches was excavated in an east-west orientation approximately 30" wide and 18' in length. Test pits were identified as ST (south trench), CT (center trench), and NT (north trench). The south trench had traces of concrete brick and metal debris beginning at 1' bgs and extending to the bottom of the excavation at 8'. Bedrock was encountered 2' bgs at the eastern end of each trench. Based on the location of the sewer main and bedrock it is believed that the tanks former location was directly below the south trench, there was no indication that a tank remains at this location. Base and sidewall samples were collected from each trench and identified as follows;

South Trench	Center Trench	North Trench
Sidewalls	Sidewalls	Sidewalls
TP-18 ST N	TP-18 CT N	TP-18 NT N
TP-18 ST S	TP-18 CT S	TP-18 NT S
TP-18 ST E	TP-18 CT E	TP-18 NT E
TP-18 ST W	TP-18 CT W	TP-18 NT W
Base	Base	Base
TP-18 ST B	TP-18 CT B	TP-18 NT B

EXCEPTIONS TO WORK PLAN (IF ANY)

Not applicable, this work was outside the scope of the work plan and completed for data collection purposes only.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Test Pits 5,6,8,18**

SAMPLING SUMMARY

Soil Samples

Location
B – Base (see diagram)
S – Sidewall Sample (see diagram)

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

				ANALYTES (check off site analysis conducted)						Comments
Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (petroflag)	DRO	GRO	TPH (GRO+GRO)				
TP-5	B	8	10,300	2340	270	2610				Gravel
TP-5	S	5	13	ND	ND	0				
TP-6	Comp Side	6	NA	2860	289	3149				Composite sidewall sample at groundwater collected at RIDEMs request
TP-6	B	8	250	434	209	643				Lab Sample was collected on 9/3 at the direction of RIDEM, not a duplicate of petroflag sample TP-6 B collected on 9/2
TP-8	B	8	2070	294	195	489				Lab Sample was collected on 9/3 at the direction of RIDEM, not a duplicate of petroflag sample TP-8 B collected on 9/2
TP-8	Comp Side	6	NA	2340	195	2535				Composite sidewall sample at groundwater collected at RIDEMs request
TP-18	CT W	8	567	111	7.58	118.58				Center trench west sidewall

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **6**

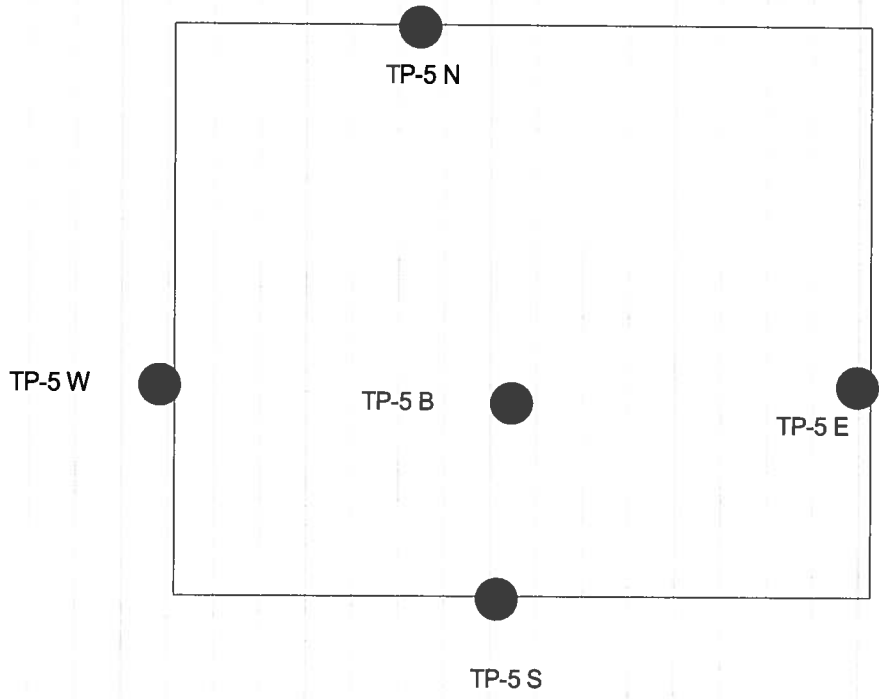
Depth to Bedrock (feet) **Bedrock encountered at 2' bgs on eastern edge of all test trenches at TP-18, no other bedrock encountered**

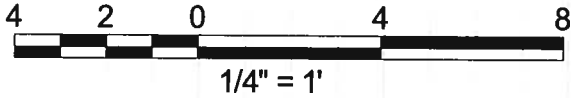
Predominant Soil Type (feet) **Sand and gravel all test pits. Fill, brick, rubble and glass/ ceramic encountered in TP-18 and TP-6 all depths**

Odors Present? Yes ☒ No ☐
Stained Soil Present? Yes ☒ No ☐
Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated ☐ Yes ☐ ☐ No ☒
If so, Estimated Volume CY (see attached calculation sheets)

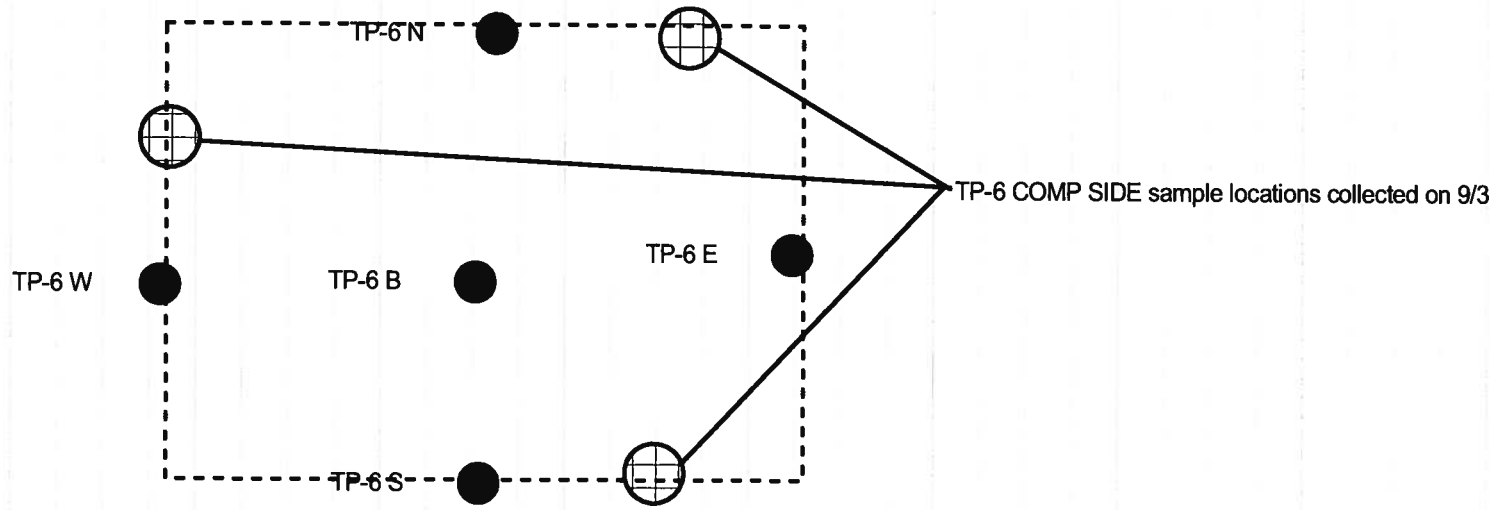
TP-5





TK&K SERVICES

TP-6



underground utility (cable)

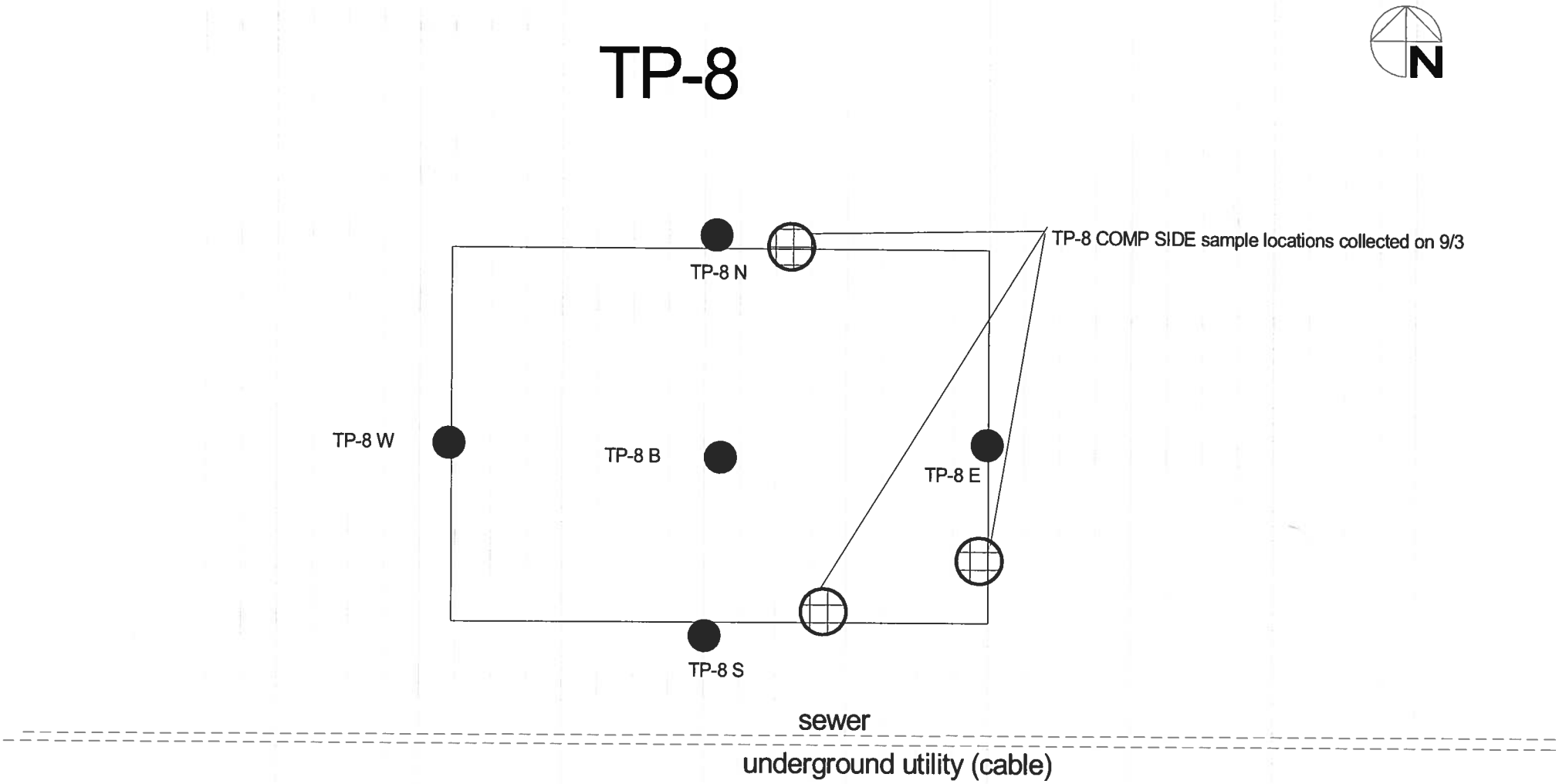
underground utility (cable)

4 2 0 4 8

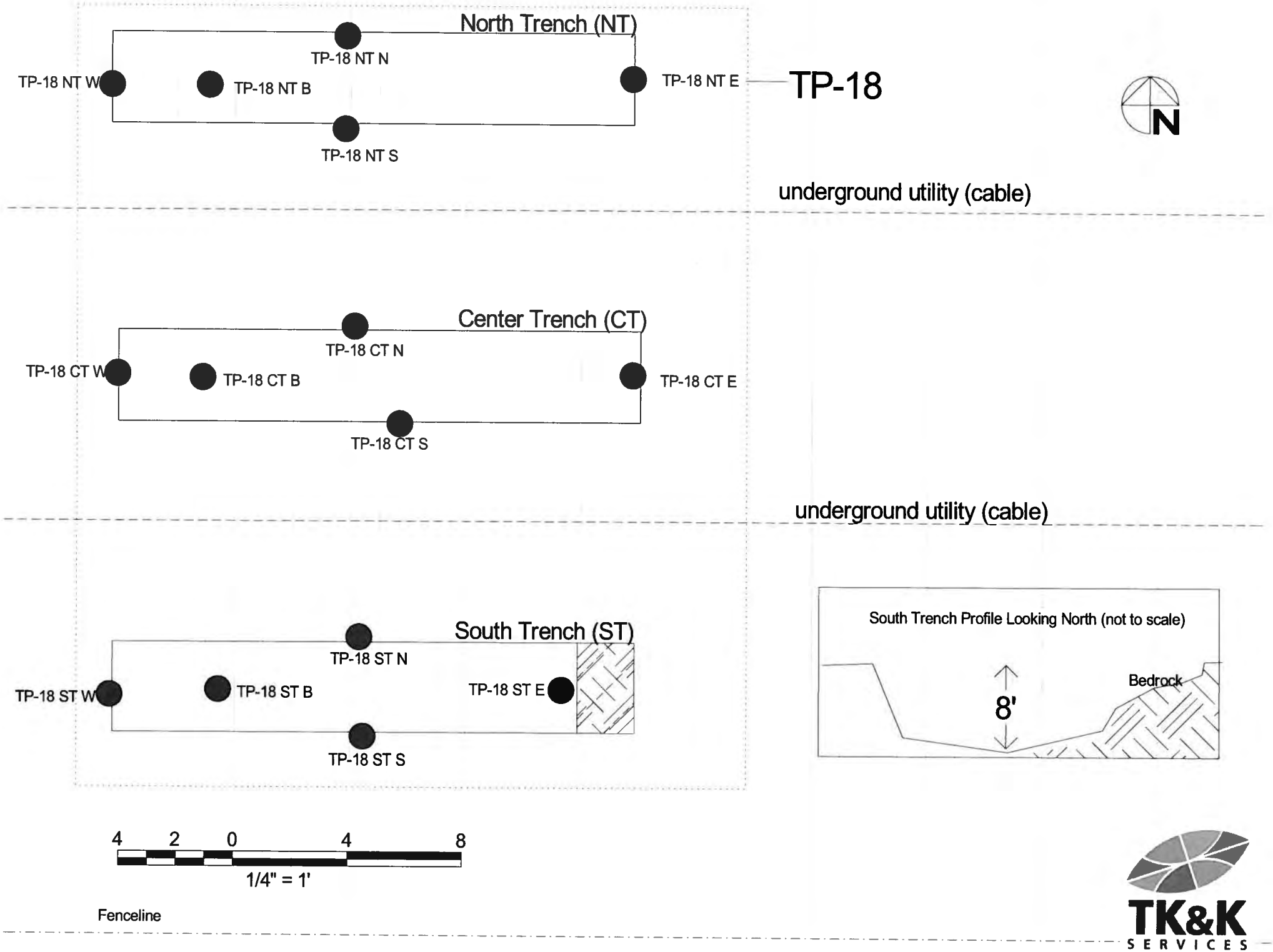
1/4" = 1'

TK&K SERVICES

TP-8



TK&K SERVICES


North Trench (NT)
TP-18 NT N
TP-18 NT W
TP-18 NT B
TP-18 NT E
TP-18
TP-18 NT S
N
underground utility (cable)
Center Trench (CT)
TP-18 CT N
TP-18 CT W
TP-18 CT B
TP-18 CT E
TP-18 CT S
underground utility (cable)
South Trench (ST)
TP-18 ST N
TP-18 ST W
TP-18 ST B
TP-18 ST E
TP-18 ST S
South Trench Profile Looking North (not to scale)
Bedrock
8'
4 2 0 4 8
1/4" = 1'
Fenceline
TK&K
SERVICES

TEST PITS 5, 6, 8, 18

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/2/08

Operator: Ed Kurja

Location: OFFTA NEWPORT

Calibration Time/Date: 9/2/08 20:16

Calibration Temperature: 25.7°C

STANDARD Ø 20:16 9/2/08 1000

BLANK Ø 20:16 9/2/08 0

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	TP-18 ST-E	10g	21:45	2158	1	7	2158	FLASHING
2	TP-18 ST-W	10g	21:47	2102	1		2102	FLASHING
3	TP-18 ST-N	10g	21:46	1840	1		1840	FLASHING
4	TP-18 ST-S	10g	21:47	2091	1		2091	FLASHING
5	TP-18 ST-B	1g	20:46	990	10		9900	
6	TP-18 CT-E	10g	21:43	1301	1		1301	
* 7	TP-18 CT-W	10g	21:41	567	1		567	
8	TP-18 CT-N	10g	21:43	1199	1		1199	
9	TP-18 CT-S	10g	21:40	1026	1		1026	
10	TP-18 CT-B	1g	20:42	661	10		6610	
11	STANDARD	Ø	21:35	1000				
12	BLANK	Ø	21:35	0				
13	TP-18 NT-E	10g	21:44	1787	1		1787	FLASHING
14	TP-18 NT-W	10g	21:42	85	1		85	
15	TP-18 NT-N	10g	21:43	800	1		800	
16	TP-18 NT-S	10g	20:40	572	1		572	
17	TP-18 NT-B	1g	20:41	84	10		840	
18	TP-5 E	10g	22:25	1182	1		1182	
19	TP-5 W	10g	22:30	12	1		12	
20	TP-5 N	10g	22:32	32	1		32	

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

TEST PITS 5, 6, 8, 18

Sheet 2 of 2

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 9/2/08 (continued)
Operator: Ed Kurja
Location: OFFTA NEWPORT

Calibration Time/Date: SEE SHEET
Calibration Temperature: 25.7°C

	No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
*	1	TP-5 S	10g	20:26	13	1	7	13	
*	2	TP-5 B	1g	20:49	1030	10		10,300	
	3	STANDARD	Ø	22:21	1000				
	4	BLANK	Ø	22:21	Ø				
	5	TP-6 E	10g	22:27	69	1		69	
	6	TP-6 W	10g	22:29	159	1		159	
	7	TP-6 N	10g	22:32	723	1		723	
	8	TP-6 S	10g	22:28	225	1		225	
	9	TP-6 B(1)	1g	20:37	25	10		250	
	10	TP-8 E	10g	22:24	59	1		59	
	11	TP-8 W	10g	22:26	255	1		255	
	12	TP-8 N	10g	22:30	44	1		44	
	13	TP-8 S	10g	22:27	217	1		217	
	14	TP-8 B(1)	1g	20:39	207	10		2070	
	15								
	16								
	17								
	18								
	19								
	20								

*LAB ANALYSIS GROIDRD

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Edward Kurja
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0809027

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: September 10, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on September 03, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0809027-01	Soil	TP-18 CT W
0809027-02	Soil	TP-5 S
0809027-03	Soil	TP-8 Comp Side
0809027-04	Soil	TP-5 B
0809027-05	Soil	TP-6 Comp Side
0809027-06	Soil	TP-6 B
0809027-07	Soil	TP-8 B

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0809027

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-18 CT W
Date Sampled: 09/02/08 14:30
Percent Solids: 90
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	111	mg/kg dry	41.5		1	09/04/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*55 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-18 CT W
Date Sampled: 09/02/08 14:30
Percent Solids: 90
Initial Volume: 7.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-01
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**7.58**	mg/kg dry	3.07		1	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*122 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-5 S
Date Sampled: 09/02/08 14:30
Percent Solids: 100
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	37.1		1	09/04/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*59 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-5 S
Date Sampled: 09/02/08 14:30
Percent Solids: 100
Initial Volume: 5.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-02
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	3.23		1	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*90 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*88 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-8 Comp Side
Date Sampled: 09/03/08 12:30
Percent Solids: 98
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**2340**	mg/kg dry	37.9		1	09/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*46 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-8 Comp Side
Date Sampled: 09/03/08 12:30
Percent Solids: 98
Initial Volume: 5.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-03
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**195**	mg/kg dry	37.0		10	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*128 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-5 B
Date Sampled: 09/02/08 14:30
Percent Solids: 79
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-04
Sample Matrix: Soil
Analyst: VSC
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**2340**	mg/kg dry	47.0		1	09/06/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*83 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-5 B
Date Sampled: 09/02/08 14:30
Percent Solids: 79
Initial Volume: 9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-04
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	270	mg/kg dry	29.7		10	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*118 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*86 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-6 Comp Side
Date Sampled: 09/03/08 12:30
Percent Solids: 88
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**2860**	mg/kg dry	42.4		1	09/04/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*49 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-6 Comp Side
Date Sampled: 09/03/08 12:30
Percent Solids: 88
Initial Volume: 6.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-05
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**289**	mg/kg dry	35.0		10	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*96 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*80 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-6 B
Date Sampled: 09/03/08 12:30
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**434**	mg/kg dry	39.9		1	09/04/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*61 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-6 B
Date Sampled: 09/03/08 12:30
Percent Solids: 93
Initial Volume: 8.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-06
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	**209**	mg/kg dry	23.9		10	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*128 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*77 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-8 B
Date Sampled: 09/03/08 12:30
Percent Solids: 84
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-07
Sample Matrix: Soil
Analyst: SEP
Prepared: 09/04/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Diesel Range Organics	**294**	mg/kg dry	44.0		1	09/04/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: TP-8 B
Date Sampled: 09/03/08 12:30
Percent Solids: 84
Initial Volume: 8.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0809027
ESS Laboratory Sample ID: 0809027-07
Sample Matrix: Soil
Analyst: MD
Prepared: 09/08/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	Limit	DF	Analyzed
Gasoline Range Organics	195	mg/kg dry	29.0		10	09/08/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*116 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*89 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0809027

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BI80426 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.26*		mg/kg wet	*5.000*		*65*	*40-140*			
LCS										
Decane (C10)	1.67	0.26	mg/kg wet	2.500		67	40-140			
Docosane (C22)	1.99	0.26	mg/kg wet	2.500		79	40-140			
Dodecane (C12)	1.78	0.26	mg/kg wet	2.500		71	40-140			
Eicosane (C20)	2.01	0.26	mg/kg wet	2.500		80	40-140			
Hexacosane (C26)	1.97	0.26	mg/kg wet	2.500		79	40-140			
Hexadecane (C16)	1.89	0.26	mg/kg wet	2.500		75	40-140			
Nonadecane (C19)	1.93	0.26	mg/kg wet	2.500		77	40-140			
Octacosane (C28)	2.01	0.26	mg/kg wet	2.500		80	40-140			
Octadecane (C18)	1.95	0.26	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	2.02	0.26	mg/kg wet	2.500		81	40-140			
Tetradecane (C14)	1.84	0.26	mg/kg wet	2.500		74	40-140			
Surrogate: O-Terphenyl	*3.79*		mg/kg wet	*5.000*		*76*	*40-140*			
LCS Dup										
Decane (C10)	1.76	0.26	mg/kg wet	2.500		70	40-140	5	50	
Docosane (C22)	1.90	0.26	mg/kg wet	2.500		76	40-140	5	50	
Dodecane (C12)	1.82	0.26	mg/kg wet	2.500		73	40-140	2	50	
Eicosane (C20)	1.93	0.26	mg/kg wet	2.500		77	40-140	4	50	
Hexacosane (C26)	1.88	0.26	mg/kg wet	2.500		75	40-140	4	50	
Hexadecane (C16)	1.87	0.26	mg/kg wet	2.500		75	40-140	0.9	50	
Nonadecane (C19)	1.92	0.26	mg/kg wet	2.500		77	40-140	0.7	50	
Octacosane (C28)	1.93	0.26	mg/kg wet	2.500		77	40-140	4	50	
Octadecane (C18)	1.89	0.26	mg/kg wet	2.500		76	40-140	3	50	
Tetracosane (C24)	1.93	0.26	mg/kg wet	2.500		77	40-140	4	50	
Tetradecane (C14)	1.86	0.26	mg/kg wet	2.500		75	40-140	1	50	
Surrogate: O-Terphenyl	*3.70*		mg/kg wet	*5.000*		*74*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BI80812 - 5035										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0809027

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BI80812 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*1.02*		mg/kg wet	*1.250*		*82*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.11*		mg/kg wet	*1.333*		*83*	*70-130*			
LCS										
Gasoline Range Organics	11.7	1.25	mg/kg wet	12.50		94	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*1.19*		mg/kg wet	*1.250*		*95*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.34*		mg/kg wet	*1.333*		*101*	*70-130*			
LCS Dup										
Gasoline Range Organics	11.6	1.25	mg/kg wet	12.50		93	60-140	0.4	20	
Surrogate: 2,5-Dibromotoluene - FID	*1.17*		mg/kg wet	*1.250*		*94*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.21*		mg/kg wet	*1.333*		*91*	*70-130*			
Matrix Spike Source: 0809027-01										
Gasoline Range Organics	38.8	3.07	mg/kg dry	30.74	7.58	102	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*3.37*		mg/kg dry	*3.074*		*110*	*70-130*			
Surrogate: Trifluorotoluene - FID	*3.19*		mg/kg dry	*3.130*		*102*	*70-130*			
Matrix Spike Dup Source: 0809027-01										
Gasoline Range Organics	39.9	3.07	mg/kg dry	30.74	7.58	105	60-140	3	40	
Surrogate: 2,5-Dibromotoluene - FID	*3.35*		mg/kg dry	*3.074*		*109*	*70-130*			
Surrogate: Trifluorotoluene - FID	*3.13*		mg/kg dry	*3.130*		*100*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0809027

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0809027

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time X Standard Other _____
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0809027

Electronic Deliverable X Yes ___ No
Format: Excel X Access ___ PDF X Other _____

Co. Name: TK&K SERVICES
Project #:
Project Name (20 Char. or less): OFFTA NEWPORT
Contact Person: ED KURJA
Address: 7 FISKE ROAD
City: WENHAM State: MA Zip: 01984 PO#:
Telephone #: 978-653-4138 Fax #: Email Address: edward.kurja@tkandk.com

Write Required Analysis: DRO, GRO

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number Containers	Type of Containers	DRO	GRO
1	9/02/08	2:30	✓		S	TP-18 CT W		3	6	✓	✓
2	9/02/08	2:30	✓			TP-5 S		3		✓	✓
3	9/03/08	1230	✓			TP-8 Comp SIDE		3		✓	✓
4	9/02/08	2:30	✓			TP-5 B		2		✓	✓
5	9/03/08	1230	✓			TP-6 Comp SIDE		3		✓	✓
6	9/03/08	1230	✓			TP-6 B		3		✓	✓
7	9/03/08	1230	✓			TP-8 B		3		✓	✓

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.8°

Internal Use Only
[✓] Pickup
[ ] Technicians _____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by: Ed Kurja
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	9/3/08 13:20	[signature]	9/3/08 1320	[signature]	9/3/08 1414	[signature]	9-3-08 14:14
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 A

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Test Pits 4, 7, 9, 10, 11, 14, 15 and 17**

SIZE (linear feet)

Length 10 (base) **Width 10 (base)** **Depth 8 (ave.)**

DESCRIPTION OF EXCAVATION ACTIVITIES

These test pits were advanced between 3/21/08 and 3/25/08. Test pits 10, 11 and 15 were originally advanced to the top of the groundwater table at a depth of approximately 8 feet below grade on 3/21/08. Base soil samples were collected from TP10 and TP11 to determine levels of contamination at this depth. Global was later directed to excavate these test pits two feet into the water table. For this reason, screening of the soil samples was performed on 3/21/08, and these test pits re-excavated to a greater deptth and resampled on 3/25/08.

Test pits 4, 7 and 14 were also advanced on 3/25/08. The overall dimensions of each test pits was 10 feet wide and 10 feet long at the base, with varying dimensions at grade to allow benching and sloping for access to each excavation. The locations of each test pit are shown on the attached figure. An additional figure was prepared to show the positions of test pits 9, 10, 11 and 15 relative to the existing monitoring wells.

Initial screening in all portions of these excavations indicated all locations were below the 2500 ppm criteria. Stockpile sampling was not performed, since all surfaces indicated TPH below the 2500 ppm criteria and this material was used to backfill each excavation.

EXCEPTIONS TO WORK PLAN (IF ANY)

No compaction was performed during backfill due to limited width of excavation cut and on-site discussions with Brandon Smith.

No off site laboratory analysis performed since no screening levels encountered over 2500 ppm and no piping or tanks removed.

No samples were collected from Test Pit 17 due to the presence of bedrock immediately below grade. Test Pit 13 was not advanced due to utility concerns in this portion of the site.

Naval Station Newport, RI – Old Fire Fighting Training Area (OFFTA)
Excavation Documentation Form

AREA DESIGNATION **Test Pits 4, 7, 10, 11, 14 and 15**

SAMPLING SUMMARY

Soil Samples

Location
TP11B - Base sample collected from Test Pit 11
TP14N – Sidewall sample collected from north side of Test Pit 14

***attach sample diagram and photos**

PetroFLAG vs Laboratory Data Summary

Source Area	Sample ID	Sample Depth (ft)	Field Screen TPH result (PetroFLAG) (ppm)	TPH (DRO (ppm)	TPH (GRO (ppm)	VOCs	PAHs	SVOCs	PCBs	Metals	

For all other data – see attached PetroFLAG run sheets and analytical data

Depth to Groundwater (feet) **8.0**

Depth to Bedrock (feet) **NA**

Predominant Soil Type (feet) **Light brown fine to medium Sand, some silt**

Odors Present? Yes ☒ No ☐

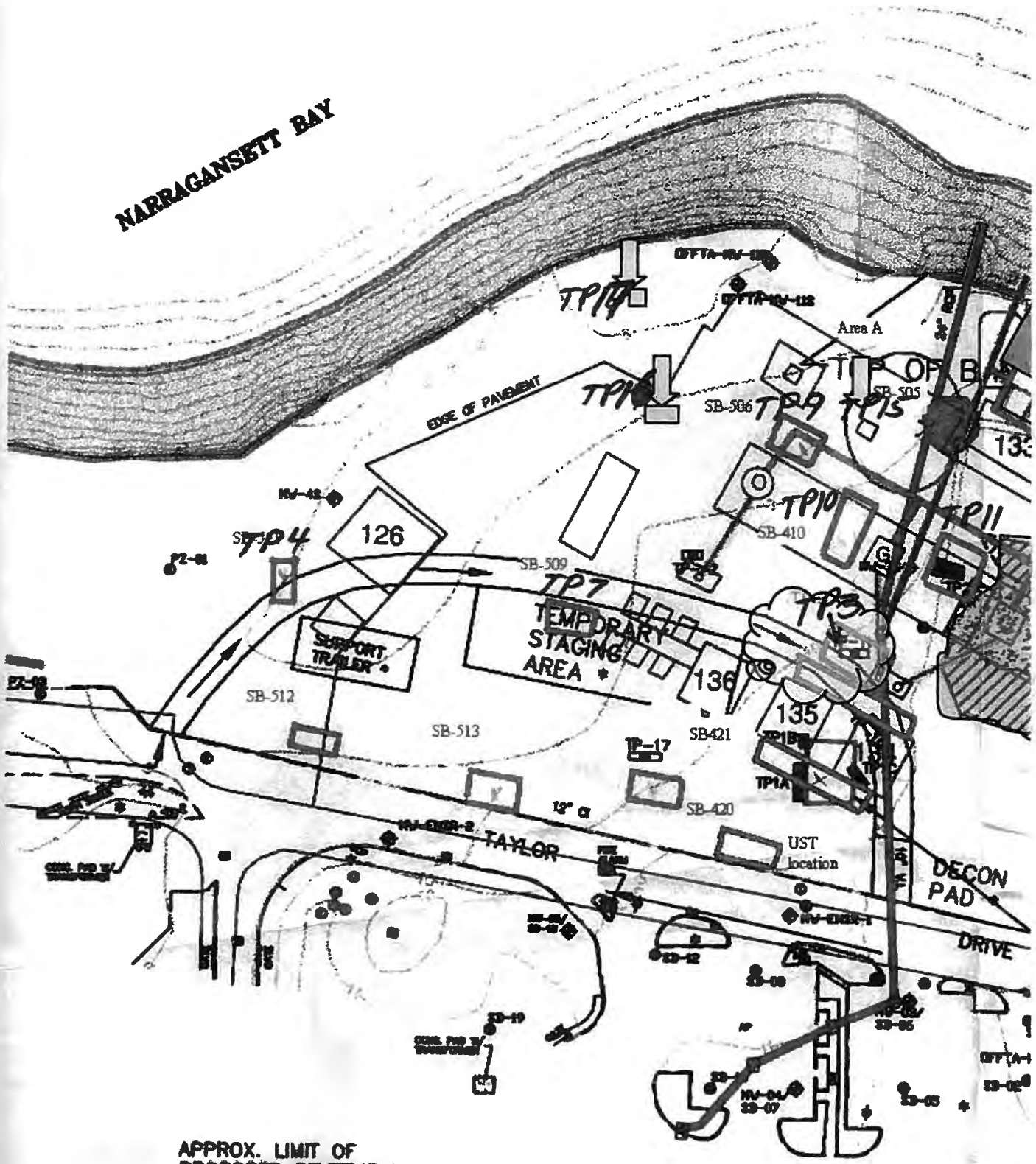
Stained Soil Present? Yes ☒ No ☐

Stressed Vegetation Present? Yes ☐ No ☒

Excavated or Stockpiled Material Generated Yes ☐ No ☒

If so, Estimated Volume NA CY

* Test Pit daily rate used and all excavations backfilled with native material



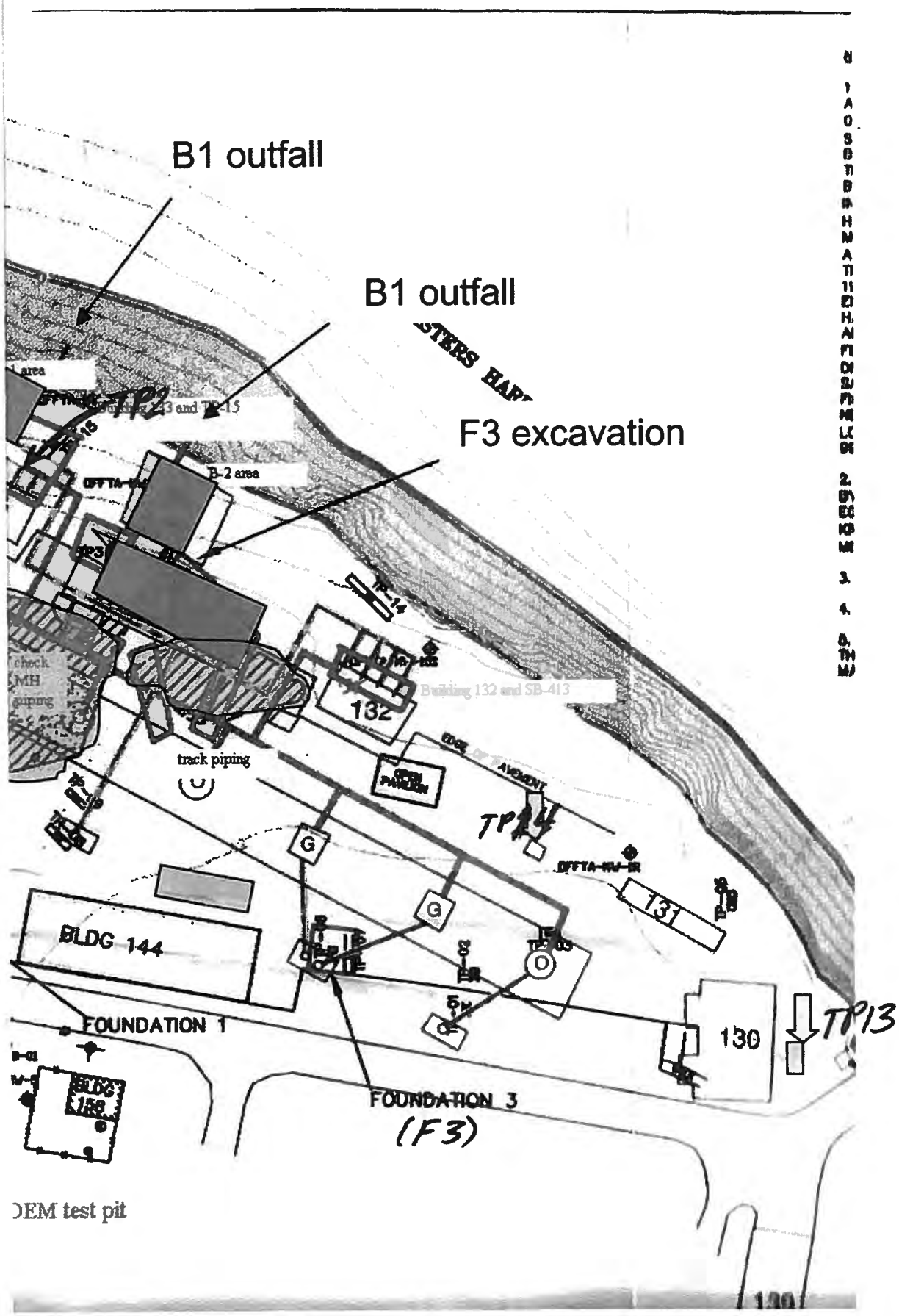
APPROX. LIMIT OF PROPOSED REVETMENT

BURIED FOUNDATIONS TO BE REMOVED (EXTENT UNKNOWN)

PREVIOUS TEST PIT

Blue indicates Navy to do

Red indicates EPA/RI


B1 outfall
B1 outfall
F3 excavation
B-2 area
TP3
TP2
TP14
TP13
132
131
130
BLDG 144
track piping
FOUNDATION 1
FOUNDATION 3
(F3)
DEM test pit

Newport OEFTA
Test Pits
9 10 11 15

Explanation

25
TP15 25 Test Pit and overall dimensions (ft.)

* Test Pits field-located relative to existing monitoring wells MW-11R and MW-35
* All test pits sampled from base and four sidewalls

L. Kalers
7/7/08

16

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 3/25/08
Operator: ED Kurja
Location: FFTA

Calibration Time/Date: 11:11 3/25/08
Calibration Temperature: 18.1°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	Blank	–	11:12/3/25	0				
2	STANDARD			1000			1000	
3	TP-10B	10g		2520	1	7	2520	below gw ~ 8' bgs
4	TP-10E			108			108	
5	TP-10N			29			29	
6	TP-10W			81			81	
7	TP-10S			154			154	
8	TP-11N			137			137	
9	TP-11E			194			194	
10	TP-11B			2361			2361	below gw ~ 8' bgs
11	TP-11S			62			62	
12	TP-11W			185			185	
13	Blank	–		0			0	
14	Standard	–		1000			1000	
15	TP-14N	10g		32			32	
16	TP-14W			30			30	
17	TP-14E			134			134	
18	TP-14S			105			105	
19	TP-15B			2284			2284	
20	TP-15S			207			207	

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(13)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 3/25/08
Operator: Ed Kuiga
Location: FFTA

Calibration Time/Date: _____
Calibration Temperature: _____

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	TP-15N	10g		30	1	7	30	
2	TP-15W	10g		576	1	7	576	
3	TP-15E	10g		127	1	7	127	
4	Blank		12:25 3/25	0	1	7	0	
5	Standard		12:25 3/25	1000	1	7	1000	
6	TP-4B	10g		2184	1	7	2184	
7	TP-4E			1892	1	7	1892	
8	TP-4W			1540	1	7	1540	
9	TP-4S			1393	1	7	1393	
10	TP-4N			1607	1	7	1607	
11	TP-7W			2126	1	7	2126	
12	TP-7N			1978	1	7	1978	
13	TP-7E			858	1	7	858	
14	TP-7S			2207	1	7	2207	
15	TP-7B			145	1	7	145	
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

(8)

PetroFLAG®

Hydrocarbon Test Kit - Field Data Sheet

Date: 3/21/08
Operator: L Kahrs
Location: Newport OFFTA

Calibration Time/Date: 1230 / 3/21/08
Calibration Temperature: 22.4C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF[1]	RF[2]	Actual (ppm)	Comments
1	TP10-Base	5.0	1230/	799	2	7	1598	
2	TP11-Base	5.0		923	2	↓	1846	
3	~~Std.Blk~~	—	~~Std~~	Ø				
4	~~Blk Std.~~	—	~~1000~~	1000				
5	TP15-Base	10.0		142				
6	TP15-Base(D)	10.0		97				
7	TP15-North	10.0		66				
8	TP15-South	10.0		92				
9	TP15-East	10.0		48				
10	TP15-West	10.0		67				
11	TP15-SP	10.0	↓	108				
12								
13								
14								
15								
16								
17								
18								
19								
20								

[1]DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

[2]RF = Response Factor, selected for the hydrocarbon contamination at the site.

APPENDIX B

TRANSPORTATION AND DISPOSAL DOCUMENTATION – LIQUID WASTE

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Loading and transportation of liquid waste (NAPL) - gallons	**GALLONS**
1/23/2008	6,800
1/23/2008	6,730
1/24/2008	3,800
1/31/2008	6,900
2/1/2008	6,900
2/19/2008	7,500
2/21/2008	7,500
	7,500
	5,000
TOTAL GALLONS:	**58,630**

NewStream

Waste Profile Form

NewStream ID: _____

NewStream, LLC
527 Pleasant Street
Attleboro, MA 02703-0964
Phone 508-236-6001; Fax 508-236-6004
www.newstream.biz

Please Note: This Waste Profile Form must be complete and must be accompanied by a Certified Lab Analysis for all compounds known or suspected by the Generator to be contained in the waste stream. Thank you!

GENERATOR'S NAME & ADDRESS: *Naval Station Newport, 1 Simponpietri Drive, Newport, RI. 02841*

GENERATOR CONTACT & PHONE NO: *Mark Rielly 401-841-1791*

CUSTOMER NAME & PHONE NO: Global Remediation Services Inc. 617-364-0012 Tim Burbank

WASTE NAME: Excavation water	**SPECIAL HANDLING:** X NO ☐ YES (Attach Details)
VOLUME (GALS): 20,000-40,000	**FREQUENCY:** ☒1x ☐WK ☐MO YR

SOURCE & PROCESS DESCRIPTION (Describe name of process, how wastewater is generated and materials in contact with wastewater (e.g. – surfactants, metals, acids, alkalis, lubricants, etc.). Attach extra page if needed:

Water generated during excavation of DRO (diesel range organic) soil from the former Fire Fighting Training Area at the Naval war college Coaster Harbor Island

GENERAL WASTE CHARACTERISTICS:

pH: 7	% Solids: <1%	% Oils: <1%
Color: clear	% Settled: <1%	% Free oil: 0
Odor: None	% Suspended: <1%	% Emulsified: 0

RCRA/TCLP METALS – MG/L: NON RCRA REGULATED

Arsenic (As): BRL	Barium (Ba): BRL	Cadmium (Cd): BRL	Chromium (Cr): BRL
Lead (Pb): BRL	Mercury (Hg): BRL	Selenium (Se): BRL	Silver (Ag): BRL

OTHER METALS – MG/L:

Aluminum (Al): BRL	Copper (Cu): BRL	Nickel (Ni): BRL	Molybdenum (Mo): BRL
Tin (Sn): BRL	Titanium (Ti): BRL	Vanadium (V): BRL	Zinc: (Zn): BRL

ORGANICS & BIO-NUTRIENTS – MG/L: None

VOC: waiting for analysis	COD: N/A	Nitrogen (N): N/A	Ammonia (NH3): N/A
SVOC: waiting for analysis	BOD: N/A	Phosphorous (P): N/A	Other:

OTHER COMPOUNDS – MG/L: None

Pesticides: None from previous investigation	PCB's: None from previous investigation	Halogens: None from previous investigation	Sulfides: None from previous investigation
Herbicides: None from previous investigation	Phenolics: None from previous investigation	Cyanides: None from previous investigation	Other:

GENERATOR CERTIFICATION: I HEREBY CERTIFY THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION. I BELIEVE THAT THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND ABILITY AND THAT ALL KNOWN AND SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

Authorized Signature: M. O'Rielly	Title: Env. Program Manger
Printed Name: Mark Rielly	Date: 1-22-08

NewStream
water.environment.innovation.

CERTIFICATE OF TREATMENT

I hereby certify that NewStream received and treated (9) loads of excavation / wastewater totaling 58,630 gallons, which were shipped to us on non hazardous waste manifests, (attached) from the Naval Station Newport (OFFTA site) between January 23, 2008 and February 21, 2008 under approval# 100555. This excavation / wastewater was properly treated in accordance with local, state and federal regulations and facility permits and subsequently discharged into a Publicly Owned Treatment Works ("POTW").

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations, 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 supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

COMPANY NAME: NewStream LLC

COMPANY ADDRESS: 34 Forest Street, Attleboro, MA

PRINT NAME/TITLE: John Theriault VP

SIGNATURE:

DATE: 9/30/08

VT-2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	RI 1170024243	1	617-364-0012	

5. Generator's Name and Mailing Address: Naval Station Newport, One Simon Pietri Dr. Newport, RI 02841

Generator's Site Address (if different than mailing address): OFFTA Site. 144 Taylor Dr. Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc. — U.S. EPA ID Number: MAR000603623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NewStream LLC, 34 Forest St Attleboro, MA 02703 — U.S. EPA ID Number: MAC300005808

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA / Non DOT Regulated Liquid (Excavation Water)	001	TT	6800	G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: X Renee Lavoie — Signature: Renee Lavoie — Month 1 Day 23 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Randy Rose — Signature: Randy Rose — Month 01 Day 23 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Dennis Tessier — Signature: Dennis Tessier — Month 1 Day 23 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC
527 Pleasant Street
Attleboro, MA 02703-0964
Phone 508-236-6001; Fax 508-236-6004
www.newstream.biz

Sample Info	Date: 1/23/08	Sample ID #: 100555-~~08~~ 02	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-~~08~~ 02		Driver: Randy Rose

Sample Review	pH: 6.9	Free Oil Layer: ☐ YES ☒ NO ☐ SHEEN
	Color/Clarity: clear	Solids: ☒ LOW ☐ MED ☐ HIGH
	Complies with Approved NewStream Waste Profile: ☒ YES ☐ NO	
	Comment:	
Load Rejected ☐	By:	Reason for Rejection:

Load Accepted ☒	Time In: 18:30	Meter Start:	Total Volume: 75
	Time Out: 19:20	Meter Finish:	Receiving Tank #: FN
	Operator Signature:		Driver Signature: Randy Rose

Batch

Pre-Treatment Program	CHEMICAL	DOSE	COMMENT
	Step 1: pH 5.6 adj. to pH 8.0	Lime/NaOH	
	Step 2: FeSO4 1 mL	2000 ppm	10 gals FeSO4
	Step 3: 3640 1 mL	4 ppm	16 mls 3640
	Step 4: → sent to Final Neutralization		Neut
sent to FN	Step 5: pH adjustment		

Pre-Treatment Results	RAW	TREATED
	pH: pH 5.6 adj to	pH: pH 8.0
	Metals: metals < 1ppm Al Fe	Metals: trace
	COD: NA	COD: NA
QC Certified	By:	Date:

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: R I 1 1 7 0 0 2 4 2 4 3
Manifest Doc. No.:
2. Page 1 of 1

GENERATOR

3. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Site Address:
144 Taylor Dr Newport, RI

4. Generator's Phone (401) 841-1781

OFFTA Site

5. Transporter 1 Company Name: Global Remediation Services, Inc.
6. US EPA ID Number: M A R 0 0 0 5 0 3 6 2 3
A. Transporter's Phone: 617-364-0012

7. Transporter 2 Company Name:
8. US EPA ID Number:
B. Transporter's Phone:

9. Designated Facility Name and Site Address
New Stream LLC
34 Forest Street
Attleboro, Ma 02703
10. US EPA ID Number: M A C 3 0 0 0 0 5 8 0 8
C. Facility's Phone: 508-236-6001

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non RCRA / Non DOT Regulated Liquid (Excavation Water)	001	TT	06730	G
b.				
c.				
d.				

D. Additional Descriptions for Materials Listed Above
A) Excavation Water

E. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Printed/Typed Name: Renee Laurie
Signature: Renee Laurie
Month Day Year: 01 23 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Randy Rose
Signature: Randy Rose
Month Day Year: 01 23 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Dennis Tessier
Signature: Dennis Tessier
Month Day Year: 1 23 08

Printed in USA by GC Labels
1-800-897-6966

TRANSPORTER #2

Reorder Part# MANIFEST-LANHW
413-897-6966

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC
527 Pleasant Street
Attleboro, MA 02703-0964
Phone 508-236-6001; Fax 508-236-6004
www.newstream.biz

Sample Info	Date: 1-23-08	Sample ID#: 100555-01	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-01	Driver: Randy Rose	
Sample Review	pH:		Free Oil Layer: ☐ YES ☑ NO ☐ SHEEN	
	Color/Clarity:		Solids: ☑ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☑ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☐	Time In:	Meter Start:	Total Volume: 6730	
	Time Out:	Meter Finish:	Receiving Tank #: F/n	
	Operator Signature: Glenn Tessier		Driver Signature: Randy Rose	

Pre-Treatment Program — Batch

CHEMICAL	DOSE	COMMENT
Step 1: pH 5.6 adj. to pH 8.0		Lime/NaOH
Step 2: FeSO4 1mL	2000ppm	10 gals FeSO4
Step 3: 3640 1mL	4ppm	26 mls 3640
Step 4: → sent to final neutralization		Neut
Step 5: pH adjustment		

sent to F/N

Pre-Treatment Results

RAW	TREATED
pH: pH 5.6 adj to	pH: pH 8.0
Metals: metals <1ppm Al Fe	Metals: trace
COD: NA	COD: NA

QC Certified	By:	Date:

Vt-2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI 1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: Naval Station Newport
One Simonpietri Dr Newport, RI 02841
Generator's Phone: 401-841-1791

Generator's Site Address (if different than mailing address): OFFTA Site 144 Taylor Rd Newport, RI

6. Transporter 1 Company Name: Global Remediation Services Inc
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: NewStream LLC
34 Forest St Attleboro, MA 02703
U.S. EPA ID Number
Facility's Phone:

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA, Non DOT Regulated Liquid (excavation water)	001	TT	3800	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: X MARK J. RIELLY
Signature: X Mark Rielly
Month 01 Day 24 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Randy Rose
Signature: Randy Rose
Month 01 Day 24 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month 1 Day 24 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #2

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC
527 Pleasant Street
Attleboro, MA 02703-0964
Phone 508-236-6001; Fax 508-236-6004
www.newstream.biz

Sample Info	Date: 1/24/08	Sample ID #: 100555-03	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-03	Driver: Randy Rose	
Sample Review	pH: 7.0		Free Oil Layer: ☐ YES ☒ NO ☐ SHEEN	
	Color/Clarity: gal		Solids: ☒ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☒ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☒	Time In: 18:16	Meter Start:	Total Volume: 4R	
	Time Out: 19:50	Meter Finish:	Receiving Tank #: FN	
	Operator Signature:		Driver Signature: Randy Rose	

Pre-Treatment Program — Batch

	CHEMICAL	DOSE	COMMENT
Step 1:	pH 5.6 adj. to pH 8.0	Lime/NaOH	
Step 2:	FeSO4 1mL	2000ppm	10 gals FeSO4
Step 3:	3640 1mL	4ppm	26 mls 3640
Step 4:			
Step 5:	sent to Final Neutralization pH adjustment		Vent

sent to FN

Pre-Treatment Results

	RAW	TREATED
pH:	pH 5.6 adj to	pH 8.0
Metals:	metals <1ppm Al Fe	Metals: trace
COD:	NA	COD: NA

QC Certified	By:	Date:

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: Naval Station Newport, 1 Simonpietri Drive, Newport, RI 02841
Generator's Phone: 401-841-1791
Generator's Site Address (if different than mailing address): (OFFTA Site) 1144 Taylor Drive Newport, RI

6. Transporter 1 Company Name: Global Remediation Services
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name: N
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: New Stream LLC. 34 Forest St. Attleboro MA 02703
Facility's Phone: (508)-236-6001
U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	NON RCRA/NON DOT Regulated (Excavation Water)	001	TT	6900	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Excavation Water

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/~~Offeror's~~ Printed/Typed Name: JOA A. PALAMA
Signature: [signature]
Month Day Year: 01 31 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Randy Rose
Signature: [signature]
Month Day Year: 01 31 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year:

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Mike Weis
Signature: [signature]
Month Day Year: 1 31 10

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC
527 Pleasant Street
Attleboro, MA 02703-0964
Phone 508-236-6001; Fax 508-236-6004
www.newstream.biz

Sample Info	Date: 1/31/8	Sample ID #: 100555-04	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-04	Driver: BR	
Sample Review	pH: 6.0		Free Oil Layer: ☐ YES ☐ NO ☐ SHEEN	
	Color/Clarity: clear		Solids: ☐ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☐ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☐	Time In: 13:16	Meter Start:	Total Volume: 7K	
	Time Out: 2:10	Meter Finish:	Receiving Tank #: FN	
	Operator Signature:		Driver Signature:	

Pre-Treatment Program — Batch

CHEMICAL	DOSE	COMMENT
Step 1: pH 5.6 adj. to pH 8.0	Lime/NaOH	
Step 2: FeSO4 1 mL	2000 ppm	10 gals FeSO4
Step 3: 3640 1 mL	4 ppm	16 mls 3640
Step 4: → sent to Final Neutralization		Neut
Step 5: pH adjustment		

sent to FN

Pre-Treatment Results

RAW	TREATED
pH: pH 5.6 adj to	pH 8.0
Metals: metals < 1 ppm Al Fe	Metals: trace
COD: NA	COD: NA

QC Certified	By:	Date:

Vt-2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI 1 1 7 0 0 2 4 2 4 3
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: NAVAL STATION NEWPORT, One Simonpietri Drive, Newport, RI 02841

Generator's Site Address (if different than mailing address): NAVAL STATION NEWPORT, 144 Taylor Drive, Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: GLOBAL REMEDIATION SERVICES, INC — U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NEW STREAM LLC, 34 FOREST STREET, ATTLEBORO, MA 02703 — U.S. EPA ID Number: MAC300005808

Facility's Phone: 508-236-6001

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA / Non DOT Regulated Waste (Excavation Water)	001	TT	6900	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information

A) Excavation Water

NA2811

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY — Signature: [signature] — Month 02 Day 01 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Randy Rose — Signature: [signature] — Month 02 Day 01 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: ROBERT HAMMERSLEY — Signature: [signature] — Month 02 Day 01 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC
[illegible]
Attleboro, MA [illegible]
Phone [illegible] Fax [illegible]
www.newstream.net

Sample Info	Date: 2/1/08	Sample ID #: 100555-05	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-05	Driver: Randy Ross	
Sample Review	pH: 5.5		Free Oil Layer: ☐ YES ☐ NO ☑ SHEEN	
	Color/Clarity: ~~[illegible]~~ opaque		Solids: ☑ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☑ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☐	Time In: 11:00AM	Meter Start: 5465600	Total Volume: 6900 GALLONS	
	Time Out: 11:45AM	Meter Finish: 5472334	Receiving Tank #: Bay Vout	
	Operator Signature: [signature]		Driver Signature: [signature]	

CHEMICAL	DOSE	COMMENT

VT-2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: Naval Station Newport, One Simonpietri Drive, Newport, RI 02841

Generator's Site Address (if different than mailing address): OFFTA Site / 144 Taylor Road, Newport, RI

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc — U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NewStream, 34 Forest Street, Attleboro, MA 02703-0954 USA — U.S. EPA ID Number:

Facility's Phone: 508-236-6001

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.
1. Non RCRA / Non DOT Regulated Liquid (Excavation Water)	001	TT	7500	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile / Approval# 100555

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Renee LaVoie — Signature: Renee LaVoie — Month 02 Day 21 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit:
Transporter Signature (for exports only): — Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Randy Rose — Signature: Randy Rose — Month 02 Day 21 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mike Weiss — Signature: [signature] — Month 2 Day 21 Year 8

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC

Sample Info	Date: 3/21/8	Sample ID #: 100555-08	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-08	Driver: R Rose	
Sample Review	pH: 6.8		Free Oil Layer: ☐ YES ☒ NO ☐ SHEEN	
	Color/Clarity: Turbid		Solids: ☒ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☒ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☒	Time In: 11:16	Meter Start:	Total Volume: 7000	
	Time Out: 12:00	Meter Finish:	Receiving Tank #: FN 5	
	Operator Signature: [signature]		Driver Signature: [signature]	

Pre-Treatment Program — Batch

	CHEMICAL	DOSE	COMMENT
Step 1:	pH 5.6 adj. to pH 8.0		Lime/NaOH
Step 2:	FeSO4 1mL	2000ppm	10 gals FeSO4
Step 3:	3640 1mL	4ppm	76 mls 3640
Step 4:	→ sent to Final Neutralization Neut		
Step 5:	pH adjustment		

sent to FN

	RAW	TREATED
Pre-Treatment Results	pH: pH 5.6 adj to	pH: pH 8.0
	Metals: metals <1ppm Al Fe	Metals: trace
	COD: NA	COD: NA
QC Certified	By:	Date:

VH-2

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-354-0012	4. Waste Tracking Number

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841
401-841-1791
Generator's Phone:

Generator's Site Address (if different than mailing address)
OFFTA Site / 144 Taylor Road
Newport, RI

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503523

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
NewStream
34 Forest Street
Attleboro, MA 02703-0954 USA
508-235-6001
Facility's Phone:
U.S. EPA ID Number

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. ~~Non RCRA / Non DOT Regulated Liquid (Excavation Water)~~	001	TT	7500	G
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Profile / Approval# 100535

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JOB A. PALAYA
Signature
Month Day Year: 02 21 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Randy Rose
Signature
Month Day Year: 02 21 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: M. Hs Wo
Signature
Month Day Year: 2 2 0

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC

Sample Info	Date: 2/21/8	Sample ID #: 100555-09	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-09	Driver: RR	
Sample Review	pH: 6.6		Free Oil Layer: ☐ YES ☑ NO ☐ SHEEN	
	Color/Clarity: Turbid		Solids: ☑ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☑ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☑	Time In: 10:60	Meter Start:	Total Volume: 1600	
	Time Out: 17:15	Meter Finish:	Receiving Tank #: IW2	
	Operator Signature: [signature]		Driver Signature: [signature]	

Pre-Treatment Program — Batch — sent to FN

CHEMICAL	DOSE	COMMENT
Step 1: pH 5.6 adj. to pH 8.0	Lime/NaOH	
Step 2: FeSO4 1gal	2000ppm	10 gals FeSO4
Step 3: 3640 1gal	4ppm	16 mls 3640
Step 4: → sent to final Neutralization		Neut
Step 5: pH adjustment		

Pre-Treatment Results

RAW	TREATED
pH: pH 5.6 adj to	pH: pH 8.0
Metals: metals <1ppm Al Fe	Metals: trace
COD: NA	COD: NA

QC Certified	By:	Date:

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-564-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address): OFFTA Site / 144 Taylor Road
Newport, RI

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc — U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NewStream
34 Forest Street
Attleboro, MA 02703-0964 USA

Facility's Phone: 508-236-6001 — U.S. EPA ID Number:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.
1.	~~Non RCRA / Non DOT Regulated Liquid (Excavation Water)~~	001	TT	X5000	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
~~Profile / Approval# 100595~~

(ME 1257840)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Renee Lavoie — Signature: Renee Lavoie — Month Day Year: 10 21 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter Signature (for exports only):

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William F. Braun — Signature: William F. Braun — Month Day Year: 10 21 0

Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Mike Weis — Signature: [illegible] — Month Day: 12 31

GENERATOR

INT'L

TRANSPORTER

DESIGNATED FACILITY

TRANSPORTE

Vt-2

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: RI1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Waste Tracking Number:

5. Generator's Name and Mailing Address: Naval Station Newport, One Simonpietri Drive, Newport, RI 02841
Generator's Site Address (if different than mailing address): OFFTA Site / 144 Taylor Road, Newport, RI
Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc
U.S. EPA ID Number: MAR000503523

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: NewStream, 34 Forest Street, Attleboro, MA 02703-0954 USA
U.S. EPA ID Number:
Facility's Phone: 508-236-6001

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA / Non DOT Regulated Liquid (Excavation Water)	001	TT	7500	G
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Profile / Approval# 100555

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: Renee Lavoie
Signature: Renee Lavoie
Month 02 Day 19 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Randy Rose
Signature: Randy Rose
Month 02 Day 19 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Dennis Jessier
Signature: [illegible]
Month 3 Day 17 Year 08

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

NewStream

Off-Site Wastewater Log & Tracking Sheet

INTERNAL USE ONLY

NewStream, LLC

Sample Info	Date:	Sample ID #: 100555-06	Split for MCLA: ☐ YES ☐ NO	MCLA Name:
Generator	Name: Navel Station Newport		Waste Profile #: 100555	
Transporter	Company: Global	Bill of Lading #: N555-06	Driver: RR	
Sample Review	pH: 7.2		Free Oil Layer: ☐ YES ☑ NO ☐ SHEEN	
	Color/Clarity: Tan Tint		Solids: ☑ LOW ☐ MED ☐ HIGH	
	Complies with Approved NewStream Waste Profile: ☑ YES ☐ NO			
	Comment:			
Load Rejected ☐	By:		Reason for Rejection:	
Load Accepted ☐	Time In:	Meter Start:	Total Volume: 7500	
	Time Out:	Meter Finish:	Receiving Tank #: F/n	
	Operator Signature: Dennis Pleasant		Driver Signature: Randy Rose	

Pre-Treatment Program — Batch — sent to F/N

	CHEMICAL	DOSE	COMMENT
Step 1:	pH 5.6 adj. to pH 8.0	Lime/NaOH	
Step 2:	$FeSO_4$ 1 ml	2000 ppm	10 gals $FeSO_4$
Step 3:	3640 1 ml	4 ppm	16 mls 3640
Step 4:	→ sent to final neutralization tank		
Step 5:	pH adjustment		

Pre-Treatment Results

	RAW	TREATED
	pH: pH 5.6 adj to	pH: pH 8.0
	Metals: Metals < 1ppm Al Fe	Metals: Trace
	COD: NA	COD: NA

QC Certified	By:	Date:

APPENDIX C

TRANSPORTATION AND DISPOSAL DOCUMENTATION – OIL AND WATER LIQUID WASTE

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Loading and transportation of liquid waste (oil water) - gallons

DATE	MANIFEST NO.	GALLONS
1/30/2008	100000722CTN	250
2/5/2008	100000728CTN	1,475
6/16/2008	003761346JJK	150 (450 lbs)

TOTAL GALLONS: **1,875**

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: RI1170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-364-0012
4. Manifest Tracking Number: **100000722 CTN**

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA Site / 144 Taylor Road
Newport, RI

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Great Remediation Services Inc.
U.S. EPA ID Number: [illegible]

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Cyn Oil Corporation
1771 Washington St
Stoughton, MA 02072 USA

U.S. EPA ID Number: MAD052303777

Facility's Phone: 781-341-6108

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
X	1. Petroleum Oil, Combustible Liquid, 3, NA1270, PG III	001		250		D018	
	2.						
	3.						
	4.						

14. Special Handling Instructions and Additional Information
Fuel Oil / Water (L)

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: MARK J. RIELLY
Signature: M J Rielly
Month 01 Day 30 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: [illegible]
Signature: [illegible]
Month 01 Day 30 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. H141 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: PATRICK M. KEEN
Signature: [illegible]
Month 1 Day 30 Year 08

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

MASS. LISC. 40
EPA MAD082303777

SINCE 1972

CERTIFICATE OF RECYCLING

Cyn Oil Corporation, dba/Cyn Environmental Services, certifies to its customers that we assume responsibility for proper transportation and disposal of all used motor oils, and will pay all costs associated with a release during transportation of these products. Cyn certifies that it handles its products in the safest most conscientious way to protect **our environment.**

Signed,

Albert A. Tucci
Chairman, Cyn Environmental Services

250g

1/30/08 Manifest # 100000722 CTN

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: RI170024243
2. Page 1 of 1
3. Emergency Response Phone: 617-354-0012
4. Manifest Tracking Number: **100000728 CTN**

5. Generator's Name and Mailing Address: Naval Station Newport, One Simonpietri Drive, Newport, RI 02841

Generator's Site Address (if different than mailing address): CFFTA-Site / 144 Taylor Road, Newport, RI

Generator's Phone: 401-841-1221

6. Transporter 1 Company Name: Clean Harbors Services Inc. — U.S. EPA ID Number: MAD000626623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cyn Oil Corporation, 1771 Washington St., Stoughton, MA 02072 USA — U.S. EPA ID Number: MAD093303777

Facility's Phone: 781.341.5103

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. [illegible]			1475		D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: TP 001417 [illegible]

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: MARK J. RIELLY — Signature: [signature] — Month/Day/Year: 02/05/08

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Richard Bradbury — Signature: [signature] — Month/Day/Year: 12/5/08

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. H141 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: FREDERICK M. IECENO — Signature: [signature] — Month/Day/Year: 2/5/08

GENERATOR — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

MASS. LISC. 40
EPA MAD082303777

SINCE 1972

CERTIFICATE OF RECYCLING

Cyn Oil Corporation, dba/Cyn Environmental Services, certifies to its customers that we assume responsibility for proper transportation and disposal of all used motor oils, and will pay all costs associated with a release during transportation of these products. Cyn certifies that it handles its products in the safest most conscientious way to protect **our environment.**

Signed,

Albert A. Tucci
Chairman, Cyn Environmental Services

1475g

2/5/08 Manifest # 100000728CTN

CVCC/GENERAL CHEMICAL CORPORATION/Cycle Chem
138 LELAND STREET
FRAMINGHAM, MA 01702
PHONE: 508-782-4152
FAX: 508-875-5271
WWW.GENERALCHEMICAL.COM

BROKER NO. ____
Class In ____
Facility ____
ESM APPRPOVAL ____

A. GENERATOR INFORMATION

GENERATOR USEPA ID NO. RI1170024243

Gen. Name Naval Station Newport	Billing Address Global Remediation Services, Inc.
Mailing Address 1 Simonpietri Drive (Env. Dept. Code N8N)	1 Westinghouse Plaza #4001
Newport, RI 02841	Boston, MA 02137
Generator Contact Mark Rielly	Contact Tim Burbank / Paul Mastrodomenico
Generator Phone 401-841-1791	Phone (617) 364-0012 Fax (617) 361-5088
Site Address: OFFTA site, 144 Taylor Rd, Newport, RI 02841	Process Generating: infiltration of fuel oil / groundwater during site excavation services

Name of Waste: fuel oil / water

B. PHYSICAL CHARACTERISTICS OF WASTE

Color/Physical Description: brown /tan liquid

STRONG INCIDENTAL ODOR PRESENT
__ YES _X_ No

PHYSICAL STATE @ 70°F
__ SOLID __ SINGLE PHASE
X LIQ __ BI-LAYERED
__ POWDER __ MULTI-LAYERED
__ SEMI SOLID __ SLUDGE

____ WASTEWATER
__ NONWSTEWATER

S.G.

FLASHPOINT
__ < 70°
__ 70°F – 100°F
__ 101°F – 141°F
X 142°F – 200°F
__ >200°F
__ NO FLASH
__ EXACT
Ignitable (If solid)
__ Yes X No
__ Closed Cup
__ Open Cup

LIQUID/SOLID/SLUDGE
Sludge ____
Suspended Solids ____
Solid/Debris ____
Free Liquids 100%

pH
__ <2.0
__ 2.1 – 5.0
X 5.0 – 9.0
__ 9.1 – 12.4
__ > 12.5
__ EXACT
__ NA/A

Dumpable? ___ Yes ____ No
Pumpable? X Yes ____ No
Pourable? X Yes ____ No

C. CHEMICAL COMPOSITION

Is MSDS Attached? Yes _ No Analysis Attached? X Yes _ No

	MINIMUM	MAXIMUM
Fuel Oil	0	5
Water	0	95

D. REGULATORY INFORMATION

USEPA HAZARDOUS WASTE?: ___ YES _X_ NO

USEPA CODE(S): ____

APPLICABLE SUBCATEGORIES: ____

STATE HAZARDOUS WASTE?: _X_ YES ___ NO

STATE CODE(S): R015, MA98

D.O.T. HAZARDOUS WASTE ___ YES _X_ NO

PROPER SHIPPING NAME Off Specification, Used oil Fuel

CLASS: ____ I.D. NO: ____ P.G. ____ R.Q. ____

E. SHIPPING INFORMATION/SHIPMENT METHOD:

__ BULK LIQUID BULK VOLUME ____ GAL/YDS
__ BULK SOLID
__ DUMP TRAILER UNIT # / SIZE _ 3 x 55__
__ ROLL-OFF
X DRUMS/ PAILS PRICE ____
__ PALLETS
__ CYLINDERS FREQUENCY one time

F. SPECIAL HANDLING CONSIDERATIONS

CERCLA FACILITIES ____ INCINERATE ONLY ____
NO LANDFILL ____ GCC SALES CODE _WED_
PROJECT CODE ____
OTHER ____

G. TRANSPORTATION

____ CUSTOMER WILL DELIVER TO GCC _X_ GCC TO PROVIDE TRANSPORTATION

H. OTHER HAZARDOUS CHARACTERSTICS

Indicate If The Waste Is:
__ RCRA REACTIVE
__ WATER REACTIVE
__ RADIOACTIVE
__ SUBJECT TO SUBPART FF BENZENE REGULATIONS
__ ETIOLOGICAL
__ TSCA REGULATED
__ OXIDIZING MATERIAL
__ PYROPHORIC
__ EXPLOSIVE/SHOC SENSITIVE
_X_ NONE OF THE ABOVE

Indicate If The Waste Contains Any of the Following

	None	or Less Than	or Actual
PCB's	X	__ < 50PPM	____ PPM
Cyanides	X	< 250PPM	____ PPM
Phenolics	X	__ < 50 PPM	____ PPM
Sulfides	X	< 500 PPM	____ PPM
VOC's	X	__ < 500 PPM	____ PPM

Is this waste characteristically hazardous for metals or organics (EPA Waste Codes D004-D043)? __ YES _ X NO . If yes, please list the constituents and concentrations in Section D.

Does this waste contain underlying hazardous constituents as defined in 40 CFR 268 (2)(I) at concentrations exceeding the UTS treatment standards? __ YES X NO. If yes, please list constituents and concentrations in Section D.

GENERATOR CERTIFICATION: I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. If GCC discovers, after having taken delivery of the waste, any waste does not conform to the identification and description on this MPS then GCC shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse GCC for all handling, packaging, clean-up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by GCC during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator. I hereby authorize GCC to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue any approval.

AUTHORIZED SIGNATURE: M. O'Reilly TITLE: H/W MNG DATE 5/13/08

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: RI117002243
2. Page 1 of 1
3. Emergency Response Phone: (508) 872-5000
4. Manifest Tracking Number: 003761346 JJK

5. Generator's Name and Mailing Address: NAVAL STATION NEWPORT
1 SIMON PIETRI DRIVE (ENV. DEPT.)
NEWPORT, RI 02841
Generator's Phone: (401) 841-1791

Generator's Site Address (if different than mailing address): ~~SAME~~
OFFTA site, 144 Taylor Rd
Newport, RI

6. Transporter 1 Company Name: CLEAN VENTURE, INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: GENERAL CHEMICAL CORP.
133 LELAND STREET
FRAMINGHAM, MA 01701
Facility's Phone: (508) 872-5000
U.S. EPA ID Number: MAD019371079

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. OFF-SPECIFICATION USED OIL FUEL 22850-22852	003	DM	450	P	MA98
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: LDR On File 8026307800082754365 6089 (1)MA01R-1 OIL & WATER
(1) 3X55

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: Renee Lavoie
Signature: Renee Lavoie
Month Day Year: 6 16 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: PAUL LAPLANTE
Signature: Paul LaPlante
Month Day Year: 6 16 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. H141 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. Hoskins
Signature:
Month Day Year: 06 16 08

GENERATOR — INTL — TRANSPORTER — DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

General Chemical Corporation

Responsive Environmental Management Services

October 2,2008

NAVAL STATION NEWPORT
1 SIMON PIETRI DRIVE
(ENV. DEPT.)
NEWPORT, RI 02841

Broker: GLOBAL REMEDIATION SERVICES
1 WESTINGHOUSE PLAZA #4001
BOSTON, MA 02136

Re: Certificate of Disposal
NAVAL STATION NEWPORT
1 SIMON PIETRI DRIVE
(ENV. DEPT.)
NEWPORT, RI 02841

Dear Sir/Madam:

This letter is to certify that General Chemical Corp., EPA ID No. MAD019371079 has accepted and processed the following shipments. This acceptance is in accordance with all State & Federal Regulations and with the requirements set forth in General Chemical's Hazardous Waste Facility Permit.

Prod Code	Manifest In	Date In	Manifest Out	Date Out	Sent	Disposal Facility	Disposal Method
*off-spec (orig)							
*MA01 (MA01R)	003761346 JJK	06/16/2008	003761582 JJK	06/30/2008	3 x DM	ENVIRONMENTAL COMPLIANCE CORP. (ECC)	reclamation

If there are any further questions about the disposal of your waste, please call (508)872-5000.

Sincerely,

Stephen M. Ganley
General Manager
General Chemical Corp.

133 Leland Street • Framingham, MA 01702
508-872-5000 • FAX: 508-875-5271
www.cyclechem.com

Corporate Office: 201 South First Street Elizabeth, NJ 07206 908-355-5800 FAX: 908-355-3495

North Jersey Office: 201 South First Street Elizabeth, NJ 07206 908-354-0210 FAX: 908-354-9731

New Jersey TSDF: 217 South First Street Elizabeth, NJ 07206 908-355-5800 FAX: 908-355-0562

South Jersey Office: 1800 Carman Street Camden, NJ 08105 856-365-5544 FAX: 856-365-0801

Maryland Office: 2031 Inverness Avenue Baltimore, MD 21230 410-368-9170 FAX: 410-368-9171

Connecticut Office: One Dock Street Stamford, CT 06902 203-969-2800 FAX: 203-969-2264

Pennsylvania TSDF: 550 Industrial Drive Lewisberry, PA 17339 717-938-4700 FAX: 717-938-3301

APPENDIX D

TRANSPORTATION AND DISPOSAL DOCUMENTATION – CONCRETE RUBBLE AND DEBRIS

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Transportaton and disposal of concrete Rubble and other debris	**TONAGE**
1/28/2008	27.93
	28.16
	26.96
	25.67
	28.76
1/29/2008	26.03
	26.20
2/5/2008	17.79
2/6/2008	23.25
	20.25
	19.18
	24.85
2/21/2008	24.79
2/25/2008	18.92
	20.45
	23.14
	22.16
	22.19
TOTAL TONAGE:	**426.68**

One Westinghouse Plaza, Boston, MA 02137

CERTIFICATE OF RECYCLE

I hereby certify that (18) loads totaling 426.68 tons of concrete rubble was transported and off loaded at J.A.M. Materials Corporation for recycling in accordance with all local, state and federal regulations between January 28, 2008 and February 25, 2008. This material was generated by Naval Station Newport (OFFTA site) and shipped on non-hazardous bill of ladings, which are attached to this document.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations, 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 supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

COMPANY NAME: Global Remediation Services, Inc.

COMPANY ADDRESS: One Westinghuose Plaza #4001 Boston, MA 02137

PRINT NAME/TITLE: Paul J. Mastrodomenico / Office Manager

SIGNATURE:

DATE: 9/30/08

UNIFORM STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's #

Global Remediation Service Inc. **Carrier**

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to J.A.M. Materials Corp (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-Reg NON-DOT Reg (Asphalt For Recycling)	20 TON		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

M. J. Reilly Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper, 28-JAN-2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

#1

Printed: 1/28/2008 9:29:53 AM
Store: 1

Sales Order # 8425
Ordered: 1/28/2008

Associate: tbeebe
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGH(
HYDE PARK, MA 02137
1-617-364-0012

DESCRIPTION	DESCRIPTION 2	ATTR	SIZE	ORD	SOLD	DUE	PRICE	EXT PRICE	
REFERENCE	92,160 LBS			1	0	1	$0.00	$0.00	N
REFERENCE	MA REG 67514			1	0	1	$0.00	$0.00	N
			Total Item(s)	2	0	2			

Empty/Tear 36300

Total Item(s) Due: 2 Percent Unfilled: 100.00 %

	Subtotal:	$0.00
TAXES	0.000 % Tax:	+ $0.00
	Total:	**$0.00**
	Balance Due:	**$0.00**

Deposit History

Cashier	Date	Receipt #	Amount	Payment

92,160
- 36,300
55,860

27.93 TON

WE ACCEPT NO RESPONSIBILITY FOR DAMAGE WHEN DELIVERY IS MADE INSIDE CURBS OR ON PRIVATE PROPERTY

Shipper's #

Global Remediation Service — Carrier — Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the da... ...e issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM Material Corp (Mail or street address of consignee – For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-REG NON-DOT			
	(Asphalt for Recycling)	20 TON		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

M. A. Bielby — Shipper, Per NAVSTA NEWPORT — Agent, Per

Permanent post-office address of shipper.

28-JAN-2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

2

Printed: 1/28/2008 11:13:13 AM
Store: 1

Sales Order # 8426
Ordered: 1/28/2008

Associate: tbeebe
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGH(
HYDE PARK, MA 02137
1-617-364-0012

DESCRIPTION	DESCRIPTION 2	ATTR	SIZE	ORD	SOLD	DUE	PRICE	EXT PRICE	
REFERENCE	92,620			1	0	1	$0.00	$0.00	N
REFERENCE	MA REG 74010			1	0	1	$0.00	$0.00	N
			Total Item(s)	2	0	2			

Total Item(s) Due: 2 Percent Unfilled: 100.00 %

	Subtotal:	$0.00
TAXES	0.000 % Tax	+ $0.00
	Total:	**$0.00**
	Balance Due:	**$0.00**

Deposit History

Cashier	Date	Receipt #	Amount	Payment

NET 92 620
TARE 36,300
56,320 = 28.16 TONS

WE ACCEPT NO RESPONSIBILITY FOR DAMAGE WHEN DELIVERY IS MADE INSIDE CURBS OR ON PRIVATE PROPERTY

UNIFORM STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's #

Global Remediation Services

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at NAVAL Station NEWPort from 1 Simonpietri Drive Newport RI

the pr... described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of th... under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of a... said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the c... on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM MATERIALS Corp (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON Reg, NON-DOT Reg (Asphalt for Recycling)	20 TON		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the ...nt moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper, 28 - JAN - 2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

3

Printed: 1/28/2008 12:22:43 PM

Store: 1

Sales Receipt # 55745

1/28/2008

Cashier: proderick

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: Cash Sales
Cash Sales

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	WT 90220					1	$0.00	$0.00	N

1 Item(s)

TAXES 0.000 % Tax + $0.00

RECEIPT TOTAL:

90 220
36 300
53 920

26,96 TONS

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55745

STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's #

Global Remediation Services

Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at NAVAL Station Newport from 1 Simonpietri Dr. Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM materials Corp (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave Middletown (Street, City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-REG NON-DOT REG (Asphalt For Recycling)	20 TON		

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

M-A Bielly Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper. 28-JAN-2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

4

Printed: 1/28/2008 1:38:00 PM

Store: 1

Sales Receipt# 55750

1/28/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	87,640					1	$0.00	$0.00	N
REFERENCE	MA REG 74010					1	$0.00	$0.00	N

2 Item(s)

TAXES 0.000 % Tax: + $0.00

RECEIPT TOTAL:

87,640
36,300
51,340

25.67 TON

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55750

UNIFORM STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's #

Global Remediation Service Inc. Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to J.A.M. Materials Corp (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	Non-Haz NON-DOT Reg (Asphalt for Recycling)	20 TON		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Mary Bielly Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper, 28-JAN-2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

#5

Printed: 2/5/2008 8:20:12 AM

Store: 1

Sales Receipt # 55755

1/28/2008

Cashier: proderick

Page

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: Cash Sales
Cash Sales

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	WT 93820					1	$0.00	$0.00	N

1 Item(s)

TAXES 0.000 % Tax: + $0.00

RECEIPT TOTAL:

93820
36300
57,520

28.76 TONS

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55755

This Memorandum is intended solely for filing or record.

Shipper's #

Global Remediation Services Inc. **Carrier**

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading,

at Naval Station Newport from 1 Simonpietri Dr. Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the . on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM Material Corp (Mail or street address of consignee – For purposes of notification only.)

Destination 990 Aquidneck (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-Reg NON-DOT Reg (Asphalt For Recycle)	Est 20-T		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE – Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

M. J. Bradley Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper, 28-JAN-2008

3

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

#6

Printed: 1/29/2008 1:55:19 PM

Store: 1

Sales Receipt # 55778

1/29/2008

Cashier: proderick

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: Cash Sales
Cash Sales

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	WT 26.03 TN					1	$0.00	$0.00	N

1 Item(s)

TAXES 0.000 % Tax: + $0.00

RECEIPT TOTAL:

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55778

Bill of Lading Original — Not Negotiable — Domestic

Shipper's #

Global Remediation Services Inc — Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Dr. Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the [illegible] on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM Material Corp (Mail or street address of consignee – For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	Non-Reg Non-DOT REG Asphalt For Recycling	Est 20 Ton		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the [illegible] it moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE – Where the rate is dependent on valu[illegible] pers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

M. O'Reilly Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper, 28 - JAN - 2008

1

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

#7

Printed: 1/29/2008 3:11:41 PM

Store: 1

Sales Receipt # 55783

1/29/2008

Cashier: proderick

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: Cash Sales
Cash Sales

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	WT 26.20					1	$0.00	$0.00	N

1 Item(s)

TAXES 0.000 % Tax + $0.00

RECEIPT TOTAL:

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55783

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. GR081011

Carrier's Name: Global Remediation Services Inc. Carrier's No. 250801

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) 2-5-08 FROM Simonpietri Dr. Newport

the described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or route or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO J.A.M. Materials

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 990 Aquidneck Ave Street Middletown RI City

County State 02842 Zip

Route Delivery Address ★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Global Remediation Car or Vehicle Initials and No. R-5

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		Non Reg Non DOT Reg			
		(Concrete For Recycling)	20 Ton		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Global Remediations Shipper, Per

Permanent post-office address of shipper, M. O'Reilly NAVSTA NEWPORT Per Agent 2/5/08

3

Store: 1

2/5/2008
Cashier: proderick
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	GR.69840 / TARE 34260								
REFERENCE	WT. 17.79								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55954

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. G-K081011

Carrier's Name: Global Remediation Services

Carrier's No. 260802

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) 2-6-08 FROM Monpietri Dr. Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO I.A.M. Materials (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 990 Aquidneck Ave Street Middletown City

County State RI Zip 02842

Route Delivery Address ★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Global Remediation Car or Vehicle Initials and No. R-5

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		Non Reg non DOT	SP		
		(Concrete For Recycling)	23.25T ~~20 TON~~		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

M-O Billy Shipper, Per NAUSTA NEWPORT Agent

Permanent post-office address of shipper,

Per

3

Store: 1

Sales Receipt # 55967
2/6/2008
Cashier: proderick
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	GR.-81,100 / TARE- 34,600								
REFERENCE	WT. 23.25 TN.								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55967

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. G 281011

Carrier's Name: Global Remediation Services

Carrier's No. 260803

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) 2-6-08 FROM Manfiatri DR Newport. RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO J.A.M. Materials (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 990 Aquidneck Ave Street Middletown City

County State RI 02842 Zip

Route Delivery Address ★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Global Remediation Car or Vehicle Initials and No. RS

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		non Reg non DoT			
		(Concrete For Recycling)	20.25T		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

†"The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."

†Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

Mw J Brolly Shipper, Per NAUSTA NEWPORT Agent

Permanent post-office address of shipper, Per

3

Store: 1

Sales Receipt # 55970
2/6/2008
Cashier: proderick
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	GR.-75,060 / TARE- 34,560								
REFERENCE	WT. 20.25 TN								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55970

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. G 081011

Carrier's Name: Global Remediation Services

Carrier's No. 2608041

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) 2-6-08 FROM Monsietti DR Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO J.A.M. Materials (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 990 Aquidneck Ave Street middletown City

County State RI 02842 Zip

Route Delivery Address ★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Global Remediation Car or Vehicle Initials and No. R-5

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		Non Reg Non DoT	FP		
		(concrete For Recycling)	19.18 T		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE.—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

M-O Bigby Shipper, Per NAVSTA NEWPORT Agent

Permanent post-office address of shipper.

Per

3

Store: 1

Sales Receipt # 55973
2/6/2008
Cashier: proderick
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	GR.-72840 / TARE 34500								
REFERENCE	WT. 19.18 TN								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55973

THIS MEMORANDUM is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No. G-38011

Carrier's Name: Global Remediation Services

Carrier's No. 766805

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) 2-6-08 FROM Monfietri Dr. Newport RI.

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

(Mail or street address for purposes of notification only.)

Consigned TO I.A.M. Materials

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in item 430, Sec. 1.

Destination 996 Aquidneck Ave Street Middletown City

County State RI 02842 Zip

Route Delivery Address★

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier Global Remediation Car or Vehicle Initials and No. R.S

Collect on Delivery $ And Remit to

Street City State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		non Req non DoT		ST	
		(Concrete For Recycling)		245 5T	

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write or stamp here, "To be Prepaid."

Received $ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per (The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$

† "The fibre containers used for this shipment conform to the specifications set forth in the box maker's certificate thereon, and all other requirements of Rule 41 of the Uniform Freight Classification and Rule 5 of the National Motor Freight Classification."
† Shipper's imprint in lieu of stamp; not a part of bill of lading approved by the Interstate Commerce Commission.

M-O Bagg Shipper, Per NAVSTA NEWPORT Agent

Permanent post-office address of shipper. Per

3

Printed: 2/6/2008 3:45:55 PM

Store: 1

Sales Receipt # 55974

2/6/2008

Cashier: proderick

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	GR.-84800 / TARE 35100								
REFERENCE	WT. 24.85 TN.								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55974

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper's No.

Carrier: Global Remediated Services LLC

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading,

at Naval Station Newport from Bldg 144 Taylor Dr Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned and destined as indicated below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory its agents operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM materials (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing best way Delivering Carrier Global Remediation Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Cor.)	Class or Rate	Check Column
	NON-HAZ NON-DOT REG	Est. 25 Ton	TON	
	Concrete Soil Recycling			

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid.)

Charges Advanced: $

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

Renee 3/21/08 Shipper, Per

Agent, Per

Permanent post-office address of shipper.

3

This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.

Store: 1

Sales Receipt # 56180
2/21/2008
Cashier: proderick
Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 18 WHL								
REFERENCE	WT. 24.79 TN.								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56180

adams
9014 (4-PART FORM)

UNIFORM STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's No. 601

Global Remediation Services INC. Carrier

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to J.A.M Materials Corp. (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave (Street) Middletown (City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-Haz ~~Haz~~ - DOT Reg	20 TON		
	Concrete for Recycling			
	76,840			
	38 640	18.97 Ton		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

Shipper, Per NAVSTA NEWPORT Agent, Per

Permanent post-office address of shipper. 2/25/2008

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

1

Bill of Lading

Printed: 2/25/2008 10:03:16 AM

Store: 1

Sales Receipt# 56193

2/25/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	CLEAN CONCRETE								

GROSS 76.840
TARE 38.640

NET 18.92 TON

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56193

adams 9014 4-Part Stock Form

STRAIGHT BILL OF LADING– SHORT FORM

ORIGINAL – NOT NEGOTIABLE

Shipper's No. 002

Carrier's Name: Global Remediation Services

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) _____ FROM 1 Simon pietri Drive Newport

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understo throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway ro or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any porti of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Strai Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipme Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipme and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO JAM materials Corp (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination JAM Street 990 Aquidneck Ave City Middletown County _____ State RI Zip 02842

Route _____ Delivery Address ★ _____

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier _____ Car or Vehicle Initials and No. _____

Collect on Delivery $ _____ And Remit to _____

Street _____ City _____ State _____

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
		NON-HAZ NON-DOT Reg			
		Concrete for Recycling			
			7,960		
			36,040.		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this shi ment is to be delivered to the consignee withc recourse on the consignor, the consignor sh sign the following statement:
The carrier shall not make delivery of tl shipment without payment of freight and other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† "The fibre containers used for this shipmen conform to the specifications set forth in th box maker's certificate thereon, and all othe requirements of Rule 41 of the Uniform Freigh Classification and Rule 5 of the National Moto Freight Classification."
† Shipper's imprint in lieu of stamp; not a par of bill of lading approved by the Interstat Commerce Commission.

M-O Brady Shipper, Per NAVSTA NEWPORT Agent

Permanent post-office address of shipper, 2/25/2008

Per

1

Printed: 2/25/2008 11:02:12 AM

Store: 1

Sales Receipt# 56199

2/25/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

ESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
ONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
EFERENCE	CLEAN CONCRETE								

GROSS 76.960
TARE 36.060
NET 20.45 TON

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56199

9014 (4-PART FORM)

UNIFORM STRAIGHT BILL OF LADI[illegible] **Original—Not Negotiable—Domestic**

Shipper's No. 03

Global Remediation Services **Carrier**

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at Naval Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM Material Corp. (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave Middletown (Street, City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-HAZ NON-DOT REG			
	Concrete for Recycling			
	87,300			
	3te. 020 2314			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per
(the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding per

M-J Buggy Shipper, Per NAVSTA NPT. Agent, Per

Permanent post-office address of shipper, 2/25/2008

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

1

Printed: 2/25/2008 12:10:10 PM

Store: 1

Sales Receipt# 56202

2/25/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

ESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
ONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
EFERENCE	clean concrete								

GROSS 82.300
TARE 36.020

NET 23.14 TON

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56202

adams 9014 (4-PART FORM)

UNIFORM STRAIGHT BILL OF LADING Original—Not Negotiable—Domestic

Shipper's No. #004

Carrier: Global Remediation Services

Agent's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading,

at NAVAL Station Newport from 1 Simonpietri Drive Newport RI

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as shown below, which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway route or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned to JAM Material Corp. (Mail or street address of consignee—For purposes of notification only.)

Destination 990 Aquidneck Ave. Middletown (Street, City) State of RI Zip Code 02842 County of

Routing Delivering Carrier Vehicle or Car Initial No.

Collect On Delivery

$ and remit to:

Street City State

C. O. D. charge to be paid by { Shipper ☐ Consignee ☐

No. Packages	Description of Articles, Special Marks, and Exceptions	*Weight (Sub. to Cor.)	Class or Rate	Check Column
1	NON-HAZ NON-DOT REG			
	Concrete for Recycling			
	80200			
	35,880	22.16 Ton		

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statements:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor.)

If charges are to be prepaid, write or stamp here, "TO BE PREPAID."

Received $ to apply to prepayment of the charges on the property described hereon.

Agent or Cashier

Per (the signature here acknowledges only the amount Prepaid.)

Charges Advanced:

$

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is "carrier's or shipper's weight." NOTE—Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $1,000.00 per

Shipper, Per NAVSTA NPT Agent, Per

Permanent post-office address of shipper, 2/25/2008

(This Bill of Lading is to be signed by the shipper and agent of the carrier issuing same.)

Bill of Lading

Printed: 2/25/2008 1:17:40 PM

Store: 1

Sales Receipt# 56206

2/25/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	CLEAN CONCRETE								

GROSS 80.200
TARE 35.880
NET 22.16 TON

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56206

STRAIGHT BILL OF LADING– SHORT FORM

ORIGINAL – NOT NEGOTIABLE

Shipper's No. 005

Carrier's Name: Global Remediation Services

Carrier's No.

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of lading,

at Naval Station Newport (Date) _____ FROM 1 Simon Pietri Drive Newport

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as shown below, which said company (the word company being understo throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its own railroad, water line, highway ro or routes, or within the territory of its highway operations, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed, as to each carrier of all or any of said property over all or any port of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Strai Bill of Lading set forth (1) in the Uniform Freight Classification in effect on the date hereof, if this is a rail or rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipme Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipme and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Consigned TO JAM MATERIALS Corp (Mail or street address for purposes of notification only.)

On Collect on Delivery Shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec. 1.

Destination 990 Aquidneck Ave Street Middletown City

County _____ State RI Zip

Route _____ Delivery Address ★ SAME

(★To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

Delivering Carrier _____ Car or Vehicle Initials and No. _____

Collect on Delivery $ _____ And Remit to _____

Street _____ City _____ State

No. Packages	H.M.	Kind of Package, Description of Articles, Special Marks, and Exceptions	*Weight (Subject to Correction)	Class or Rate	Check Column
1		NON-HAZ NON DOT REG (Concrete for Recycling)			
			80100		
			35720		
		T. Beebe	2019 tons		

*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.
NOTE — Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

Subject to Section 7 of conditions, if this sh ment is to be delivered to the consignee withi recourse on the consignor, the consignor sh sign the following statement:
The carrier shall not make delivery of t shipment without payment of freight and other lawful charges.

(Signature of consignor.)

C. O. D. Charges to be Paid by ☐ Shipper ☐ Consignee

If charges are to be prepaid, write stamp here, "To be Prepaid."

Received $ _____ to apply in prepayment of the charges on the property described hereon.

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges Advanced:

$ _____

† "The fibre containers used for this shipmen conform to the specifications set forth in th box maker's certificate thereon, and all othe requirements of Rule 41 of the Uniform Freigh Classification and Rule 5 of the National Moto Freight Classification."

† Shipper's imprint in lieu of stamp; not a par of bill of lading approved by the Interstat Commerce Commission.

Mary Bielby

Permanent post-office address of shipper,

Shipper, Per NAVSTA NEWPORT Agent

2/25/2008

Per

1

Printed: 2/25/2008 2:52:11 PM

Store: 1

Sales Receipt# 56211

2/25/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
CONCRETE PRODUCTS	CONCRETE DISPOSAL 10 WHL								
REFERENCE	CLEAN CONCRETE								

GROSS 80.100
TARE 35.720

NET 22.19 Ton

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56211

APPENDIX E

TRANSPORTATION AND DISPOSAL DOCUMENTATION – OIL CONTAMINATED SOIL AND DEBRIS

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Disposal of contaminated concrete/debris at WM-Turnkey	**TONAGE**
4/20/2008	15.56
5/1/2008	15.41 17.02
5/5/2008	25.31
TOTAL TONAGE:	**73.3**

Disposal of contaminated soil at WM-Turnkey	**TONAGE**
4/30/2008	21.29
5/1/2008	24.29 30.84 24.00 16.67
5/2/2008	28.22 20.81 29.53 25.49
5/5/2008	27.93 33.75
TOTAL TONAGE:	**282.82**

Generator's Nonhazardous Waste Profile Sheet

WASTE MANAGEMENT

Requested Disposal Facility Turnkey Profile Number 100290NH

☐ Renewal for Profile Number n/a Waste Approval Expiration Date 7-31-08

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Naval Station Newport
2. Site Address: 144 Taylor Drive (Old Fire Fighting Training Ag
3. City/ZIP: Newport
4. State: RI
5. County:
6. Contact Name/Title: Mark Rielly
7. Email Address: 1 Simonpietri Drive
8. Phone: 401-841-1791 9. FAX:
10. NAICS Code:
11. Generator USEPA ID #:
12. State ID# (if applicable):

B. Customer Information ☐ same as above

P. O. Number:

1. Customer Name: Global Remediation Services Inc.
2. Billing Address: 1 Westinghouse Plaza (Suite 4001)
3. City, State and ZIP: Boston MA, 02137
4. Contact Name: Tim Burbank
5. Contact Email: tburbank@globalremediation.com
6. Phone: 6173640012 FAX: 6173615088
7. Transporter Name: Global Remediation Services Inc.
8. Transporter ID # (if appl.): N/A
9. Transporter Address: 1 Westinghouse Plaza Suite 4001
10. City, State and ZIP: Boston MA 02137

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: fuel contaminated Soil
State Waste Code(s):

b. Describe Process Generating Waste or Source of Contamination:

Site Remediation

c. Typical Color(s): brown to black soil

d. Strong Odor? ☐ Yes ☑ No Describe: mild fuel oil odor

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other:

f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe:

h. Free Liquid Range (%): ____ to ____ ☑ NA(solid)

i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual:

j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual:

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be > 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. petroleum DRO	2130	ppm	2310	ppm
2. Concrete with rebar	60	%	80	%
3. sand and gravel	20	%	30	%
4. silt	0	%	5	%
5. brick	0	%	5	%
6. glass	0	%	5	%

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ Event ☐ Base/Ongoing (Check One)

b. Estimated Annual Quantity: 700 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify):

c. Shipping Frequency: Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): Non-Haz Non DOT reg.

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Gloves, safety glass

©2007 Waste Management, Inc.

Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☑ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☑ No
   b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☑ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☑ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: ESS samples WC07 and ESS post-treatment samples WCT04 # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☑ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: WAP/ SOP
   - ☑ I am an agent signing on behalf of the Generator and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☑ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: M. O Rielly Title: Env. Program Manager

Company Name: Naval Station Newport Name (Print): Mr. Mark Rielly

Date: 4-24-08

FOR WM USE ONLY

Management Method: ☑ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: _____

Approval Decision: ☑ Approved ☐ Not Approved

Waste Approval Expiration Date: 7-31-08

Management Facility Precautions, Special Handling Procedures or Limitation on approval: Direct Landfill disposal.

☑ Shall not contain free liquid
☐ Shipment must be scheduled into disposal facility
☐ Approval Number must accompany each shipment
☑ Waste Manifest must accompany load

WM Authorization Name / Title: Ellen Bellio Date: 4-29-08

State Authorization (if Required): _____ Date: _____

©2007 Waste Management, Inc.

Subtitle "D" facility
Waste Management Turnkey Landfill
90 Rochester Neck Road
Rochester, NH 03839

Generator
Naval Station Newport
Old Fire Fighting Training Area
144 Taylor Drive
Newport, RI.

Soil and debris waste generated at OFFTA

"I certify under penalty of law that I personally have examined and am familiar with the waste through analysis and testing or through knowledge of the waste to support this certification that the waste complies with the treatment standards specified in 40 CFR 268 subpart D. I believe that the information I submitted is true, accurate and complete. I am aware that there are significant penalties for submitting a false certification, including the possibility of a fine and imprisonment."

MARK J. RIELLY
Print Name

Signature

4-29-2008
Date

Certificate of Disposal

Issued to:

Global Remediation Services, Inc.

1 Westinghouse Plaza
Suite 4001
Boston, MA 02137

By signing this Certificate of Disposal, the disposal facility below certifies that 356.12 Tons of Contaminated Soil (Profile #100290NH) generated by Naval Station Newport, 144 Taylor Drive (Old Fire Training Area), Newport, RI was received between April 30, 2008 and May 5, 2008 (see detail attached) and properly disposed of at WMNH-TREE in accordance with all Local, State and Federal Regulations. "Disposed of" shall be defined as buried, or processed as defined in 40 CFR.

Presented by:

Waste Management of New Hampshire, Inc.

Turnkey Recycling & Environmental Enterprises
(WMNH-TREE)
18 Turnkey Way, P.O. Box 7065
Rochester, New Hampshire 03839

Authorized Signature: _____
Victor P. Rivera, Jr.

Title: *Special Waste Services Administrator*

Date: *September 30, 2008*

Ticket Date	Ticket ID	Customer	Generator	Profile	Truck	Material	Origin	Tons
4/30/2008	530836	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R8	Cont Soil Met-Tons	RI	15.56
4/30/2008	530837	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R11	Cont Soil Met-Tons	RI	21.29
5/1/2008	531087	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R11	Cont Soil Met-Tons	RI	24.29
5/1/2008	531230	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R8	Cont Soil Met-Tons	RI	30.84
5/1/2008	531255	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R6	Cont Soil Met-Tons	RI	17.02
5/1/2008	531282	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R5	Cont Soil Met-Tons	RI	15.41
5/1/2008	531283	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	T9	Cont Soil Met-Tons	RI	16.67
5/1/2008	531412	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R11	Cont Soil Met-Tons	RI	24
5/2/2008	531477	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R8	Cont Soil Met-Tons	RI	28.22
5/2/2008	531644	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	T9	Cont Soil Met-Tons	RI	20.81
5/2/2008	531770	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R8	Cont Soil Met-Tons	RI	25.49
5/2/2008	531771	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R11	Cont Soil Met-Tons	RI	29.53
5/5/2008	531943	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R6	Cont Soil Met-Tons	RI	25.31
5/5/2008	532132	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R8	Cont Soil Met-Tons	RI	33.75
5/5/2008	532133	GLOBAL REMEDIATION SERVICES	NE-NAVALSTATIONTAYLOR	100290NH	R11	Cont Soil Met-Tons	RI	27.93
Ticket Totals	15							356.12

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NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-354-0012	4. Waste Tracking Number NHW-GRO8011-01

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc. — U.S. EPA ID Number: MAR000603623

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA

U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	Est 20	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Aprovall# 100290NH

Can# 09

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: X JOB A. PALAYA — Signature: X Job A. Palaya — Month 04 Day 30 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: James Martin — Signature: James Martin — Month 04 Day 30 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Eric Metzler — Signature — Month Day Year 4 30 08

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 530836

325468

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 04/30/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R8 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	04/30/2008 11:32:02	scale 1 inbou	ERIC METZLER		Gross	71720 lb
Out	04/30/2008 12:19:45	scale 2 outbo	vrivera		Tare	40600 lb
					Net	31120 lb
					Tons	15.56

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	15.56	Tons				RI
2 Pcenv-Env Fee - Cu	100		%				RI
3 FUEL-Fuel Surcharg	100		%				RI

Concrete

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

KG

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	RI1170024243	1	617-364-0012	NHW-GR08011-05

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841
Generator's Phone: 401-841-1791

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
Facility's Phone: 603-330-2100
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	CN	Est 20 Ton	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Aprovall# 100220NH
Concrete

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: M J Rielly
Month 05 Day 01 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Richard Tomlinson
Signature: Richard Tomlinson
Month 5 Day 1 Year 08
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month Day Year

GENERATOR — INT'L — TRANSPORTER — DESIGNATED FACILITY

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531282

325863

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest #
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R5 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/01/2008 12:15:11	scale 1 inbou	christina blakey		Gross	66140 lb
Out	05/01/2008 12:57:41	scale 2 outbo	christina blakey		Tare	35320 lb
					Net	30820 lb
					Tons	15.41

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	15.41	Tons				RI
2 Pcsnv-Env Fee - Cu	100		%				RI
3 FUEL-Fuel Surcharg	100		%				RI

concrete

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

404WM Genie NH

R6

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHW-6R08011-08

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol.
1. Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	18	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
~~Approval# 100220NH~~
Concrete

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: M-O Rielly
Month 05 Day 01 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RANDY ROSE
Signature: Randy Rose
Month 05 Day 01 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Eric Metzler
Signature
Month Day Year 5/08

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531255

325857

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R6 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/01/2008 11:36:57	scale 1 inbou	ERIC METZLER		Gross	73840 lb
Out	05/01/2008 12:43:22	scale 2 outbo	christina blakey		Tare	39800 lb
					Net	34040 lb
					Tons	17.02

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	17.02	Tons				RI
2 Recyc-Env Fee - Cu	100		%				RI
3 FUEL-Fuel Surcharg	100		%				RI

Concrete

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

R6

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA

U.S. EPA ID Number N/A

Facility's Phone: 603-330-2100

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	18	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Approval # 100290NH

Concrete

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Renee Lavoie — Signature: Renee Lavoie — Month 05 Day 01 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RANDY ROSE — Signature: Randy Rose — Month 05 Day 01 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Eric Metzler — Signature: [signature] — Month 5 Day 5 Year 08

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531943

326503

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/05/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R6 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/05/2008 07:28:20	scale 1 inbou	eric setzler		Gross	91860 lb
Out	05/05/2008 08:23:49	scale 2 outbo	christina blakey		Tare	41240 lb
					Net	50620 lb
					Tons	25.31

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	25.31	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

Concrete

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

R11

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHW-GRD8011-02

5. Generator's Name and Mailing Address
Naval Station Newport
Ohe Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: GLOBAL REMEDIATION SERVICES INC.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST X21	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Approval # 100290NH

WCT04 (MA 76025)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JOB A. PALAYA
Signature: Job A. Palaya
Month 09 Day 30 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William F. Brown
Signature: William F. Brown
Month 09 Day 30 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Eric Mitzlof
Signature
Month 4 Day 30 Year 09

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 530837

325470

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 04/30/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	04/30/2008 11:33:14	scale 1 inbou	ERIC METZLER		Gross	80220 lb
Out	04/30/2008 12:22:43	scale 2 outbo	vrivera		Tare	37640 lb
					Net	42580 lb
					Tons	21.29

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	21.29	Tons				RI
2	Pcsny-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOS

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

R11

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	RI1170024243	1	617-354-0012	NHW-GR08011-04

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503523

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST X21	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Aprovall# 100290NH

WCT04

(MA 76025)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: JOB A. PALAYA
Signature: Job A. Palaya
Month 04 Day 30 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: William F. Brown
Signature: William F. Brown
Month 04 Day 30 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

Turnke Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531087

325693

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/01/2008 07:10:08	scale 1 inbou	christina blakey		Gross	87100 lb
Out	05/01/2008 07:40:25	scale 2 outbo	eric metzler		Tare	38520 lb
					Net	48580 lb
					Tons	24.29

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	24.29	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

128

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHW-GR08011-03

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

	9. Waste Shipping Name and Description	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	Est 20	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Aprovat# 100220NH
WCT-04

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JOB A. PALAYA
Signature: Job A. Palaya
Month 05 Day 01 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Martin
Signature: James Martin
Month 05 Day 01 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name
Signature
Month Day Year

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531230

325807

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R8 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/01/2008 10:59:59	scale 1 inbou	christina blakey		Gross	97240 lb
Out	05/01/2008 11:27:07	scale 2 outbo	eric metzler		Tare	35560 lb
					Net	61680 lb
					Tons	30.84

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	30.84	Tons				RI
2 Ocean-Env Fee - Cu	100		%				RI
3 FUEL-Fuel Surcharg	100		%				RI

WCTO4

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

R11

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHCO-GR08011-07

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST X21	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Aprovall# 100280NH

WCT09 (MA 76025)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: JOB A. PALAYA
Signature: Job A. Palaya
Month 05 Day 01 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: William F. Brown
Signature: William F. Brown
Month 05 Day 01 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Eric Metzler
Signature
Month 5 Day 1 Year 08

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531412

325975

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound
In	05/01/2008 15:26:39	scale 1 inbou	eric metzler	
Out	05/01/2008 15:59:14	scale 2 outbo	ERIC METZLER	

Gross	86200 lb
Tare	38200 lb
Net	48000 lb
Tons	24.00

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	24.00	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

T9

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHW-GR08011-06

GENERATOR

Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name Norfolk ~~Global Remediation~~ Services Inc. — U.S. EPA ID Number ~~MAR000503623~~ N/A

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA

U.S. EPA ID Number N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST 20 TON	~~P~~ T
2.				
3.				
4.				

Special Handling Instructions and Additional Information
~~Approval# 100260NH~~

WCTO4

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY — Signature: M. J. Rielly — Month 05 Day 01 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: DENNIS A. BOTELHO — Signature: Dennis A. Botelho — Month 5 Day 1 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531283

325859

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/01/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier NORFOLK NORFOLK EQUIPMENT SERVICES,
Vehicle# T9 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound
In	05/01/2008 12:16:29	scale 1 inbou	christina blakey	
Out	05/01/2008 12:46:48	scale 2 outbo	christina blakey	

Gross	67260 lb
Tare	33920 lb
Net	33340 lb
Tons	16.67

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Cont Soil Met-Tons	100	16.67	Tons				RI
2 Pcenv-Env Fee - Cu	100		%				RI
3 FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

404WM-Gonic, NH

128

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170022243	2. Page 1 of 1	3. Emergency Response Phone 617-354-0012	4. Waste Tracking Number NHW-GR08011-~~01~~

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA / Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	Est 20	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Aproval# 100290NH

WCT 04

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: Renee Lavoie
Signature: Renee Lavoie
Month 05 Day 01 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JIM MARTIN
Signature: James Martin
Month 05 Day 01 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name
Signature
Month Day Year

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531477

326029

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/02/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R8 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/02/2008 06:21:25	scale 1 inbou	christina blakey		Gross	93180 lb
Out	05/02/2008 06:59:38	scale 2 outbo	eric metzler		Tare	36740 lb
					Net	56440 lb
					Tons	28.22

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	28.22	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

404WM-Gonic, NH

T-1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	RI1170024243		617-364-0912	

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841
Generator's Phone: 401-841-1791

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

6. Transporter 1 Company Name: NORfolk Services Inc.
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
Facility's Phone: 603-330-2100
U.S. EPA ID Number: N/A

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	TD	EST 20	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Approval # 100290NH

WCT04

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: Mark J Rielly
Month 05 Day 02 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S.
Port of entry/exit:
Transporter Signature (for exports only):
Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: DENNIS BOTELHO
Signature: Dennis Botelho
Month 5 Day 2 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name:
Signature:
Month 5 Day 2 Year 08

GENERATOR | INT'L | TRANSPORTER | DESIGNATED FACILITY

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TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531644

326179

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/02/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier NORFOLK NORFOLK EQUIPMENT SERVICES,
Vehicle# T9 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/02/2008 11:13:19	scale 1 inbou	christina blakey		Gross	76220 lb
Out	05/02/2008 11:34:38	scale 2 outbo	eric metzler		Tare	34600 lb
					Net	41620 lb
					Tons	20.81

Comments

Product		LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	20.81	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief.
TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

R11

DT-1

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of	3. Emergency Response Phone 617-354-0012	4. Waste Tracking Number

Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST 20 TON	T
2.					
3.					
4.					

Special Handling Instructions and Additional Information
Approval # 100290NH

WCT04

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: Mark J Rielly
Month 05 Day 02 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Steve Poole
Signature: Stephen Poole
Month 05 Day 02 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Eric Metzler
Signature:
Month 5 Day 2 Year 08

GENERATOR

TRANSPORTER INT'L

DESIGNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 531771

326310

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/02/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/02/2008 14:27:36	scale 1 inbou	eric metzler		Gross	96940 lb
Out	05/02/2008 15:08:28	scale 2 outbo	christina blakey		Tare	37880 lb
					Net	59060 lb
					Tons	29.53

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	29.53	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCT04

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

404WM-Gonic, NH

R8

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of	3. Emergency Response Phone 617-354-0012	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

Generator's Phone: 401-841-1791

6. Transporter 1 Company Name: Global Remediation Service INC.
U.S. EPA ID Number:

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA

U.S. EPA ID Number: N/A

Facility's Phone: 603-330-2100

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	CM	Est 20	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Approval #100290NH

WCT-04

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: M J Rielly
Month 05 Day 02 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JAMES MARTIN
Signature: James Martin
Month 05 Day 02 Year 08

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number:

Facility's Phone:

17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Eric Metzler
Signature:
Month 5 Day 2 Year 08

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Phr (603)330-2181

Original
Ticket# 531770

326302

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/02/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest +
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R8 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/02/2008 14:26:43	scale 1 inbou	eric metzler		Gross	87180 lb
Out	05/02/2008 14:59:16	scale 2 outbo	christina blakey		Tare	36200 lb
					Net	50980 lb
					Tons	25.49

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	25.49	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

R11

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	RI1170024243	1	617-354-0012	NHW-GA08011

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841
Generator's Phone: 401-841-1791

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

6. Transporter 1 Company Name: GLOBAL REMEDIATION SERVICES INC.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
Facility's Phone: 603-330-2100
U.S. EPA ID Number: N/A

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST X 21	T
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information
Approval #100290NH

WCT04 (MA 76025)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: Mark J Rielly
Month 05 Day 05 Year 08

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: WILLIAM F. BROWN
Signature: William F Brown
Month 05 Day 05 Year 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Blake
Signature
Month 5 Day 5 Year 08

GENERATOR — INT'L — TRANSPORTER — GNATED FACILITY

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 532133

326662

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/05/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/05/2008 12:10:05	scale 1 inbou	christina blakey		Gross	93840 lb
Out	05/05/2008 12:44:59	scale 2 outbo	ERIC METZLER		Tare	37980 lb
					Net	55860 lb
					Tons	27.93

Comments

	Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	27.93	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCT04

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature

R 8

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number RI1170024243	2. Page 1 of 1	3. Emergency Response Phone 617-364-0012	4. Waste Tracking Number NHW-GRO8011

GENERATOR

5. Generator's Name and Mailing Address
Naval Station Newport
One Simonpietri Drive
Newport, RI 02841
Generator's Phone: 401-841-1791

Generator's Site Address (if different than mailing address)
OFFTA site / 144 Taylor Road
Newport, RI 02841

6. Transporter 1 Company Name: Global Remediation Services Inc.
U.S. EPA ID Number: MAR000503623

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Waste Management of NH (Turnkey)
97 Rochester Neck Road
Gonic, NH 03839 USA
Facility's Phone: 603-330-2100
U.S. EPA ID Number: N/A

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1.	Non RCRA/Non DOT Regulated Material (Soil / Concrete / Debris)	001	DT	EST X 21	T
2.					
3.					
4.					

13. Special Handling Instructions and Additional Information
Approval # 100290NH

WCT09 (MA 74010)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name: MARK J. RIELLY
Signature: Mark Rielly
Month 05 Day 05 Year 08

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Martin
Signature: James Martin
Month 05 Day 05 Year 08
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator)
Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Blake
Signature
Month 5 Day 5 Year 08

169-BLC-O 6 10498 (Rev. 8/06)

TRANSPORTER #1

WASTE MANAGEMENT

Turnkey Landfill
30 Rochester Neck Rd
Rochester, NH, 03839
Ph: (603)330-2181

Original
Ticket# 532132

326667

Customer Name GLOBALREMEDIA GLOBAL REMEDIAT
Ticket Date 05/05/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code N/A
Manifest *
Destination
Generator NE-NAVALSTATIONTAYLOR NAVAL STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R8 Volume
Container
Driver
Check#
Billing # 0110087
Gen EPA ID NOT REQUIRED
PO
Profile 100290NH (CONTAMINATED SOIL(DISPOS

	Time	Scale	Operator	Inbound		
In	05/05/2008 12:08:55	scale 1 inbou	christina blakey		Gross	103240 lb
Out	05/05/2008 12:51:05	scale 2 outbo	ERIC METZLER		Tare	35740 lb
					Net	67500 lb
					Tons	33.75

Comments

Product		LD%	Qty	UOM	Rate	Fee	Amount	Origin
1	Cont Soil Met-Tons	100	33.75	Tons				RI
2	Pcenv-Env Fee - Cu	100		%				RI
3	FUEL-Fuel Surcharg	100		%				RI

WCTOY

Total Fees
Total Ticket

OUT-OF-STATE SOLID WASTE TRANSPORTER DECLARATION: I certify under penalty of perjury that the information provided is true and correct to the best of my knowledge and belief. TO THE BEST OF MY KNOWLEDGE THIS TRUCK CONTAINS NO HAZARDOUS OR UNACCEPTABLE WASTE.

Driver's Signature _____

APPENDIX F

TRANSPORTATION AND DISPOSAL DOCUMENTATION – RCRA SUBTITLE D PETROLEUM CONTAMINATED SOIL

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Loading transportation and disposal of hazardous waste at a RCRA Subtitle D facility	**TONAGE**
4/4/2008	
	18.54
	20.61
	22.73
	18.86
	23.59
	24.94
4/7/2008	
	21.01
	22.68
	21.26
	21.03
	19.34
	22.45
	25.37
	25.68
	22.72
	23.32
4/8/2008	
	22.21
	21.94
	22.16
	20.40
	20.94
	21.08
	24.89
	23.05
	22.78
	25.85
	27.20

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

Loading transportation and disposal of hazardous waste at a RCRA Subtitle D facility- continuing

	TONAGE
4/9/2008	20.72
	18.98
	20.10
	21.40
	19.63
	23.05
	22.52
	22.80
	27.18
	25.49
	26.69
	27.23
	24.77
	28.36
	28.13
4/10/2008	22.60
	21.29
	21.99
	22.65
	23.21
	27.23
	22.40
	23.26
	22.20
4/11/2008	20.78
	22.53
	20.90
	23.73
	22.30
	24.43
	23.45
	23.22
	27.65

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

Loading transportation and disposal of hazardous waste at a RCRA Subtitle D facility- continuing	**TONAGE**
4/14/2008	20.33
	20.40
	21.03
	25.78
	20.89
	23.97
	23.68
	23.15
	23.00
4/15/2008	21.57
	21.64
	23.19
5/4/2008	25.05
	38.21
	23.29
	22.78
TOTAL TONAGE:	**1,757.46**

Certificate of Disposal

Issued to:

Global Remediation Services, Inc.
1 Westinghouse Plaza; Suite 4001
Boston, MA 02136-2059

By signing this Certificate of Disposal, the disposal facility below certifies that 1757.46 Tons of Non Hazardous Contaminated Soil meeting the COMM 97-001 Policy (Profile #100010MA) generated by Naval Station Newport, 144 Taylor Drive (Old Fire Training Area), Newport, RI was received between April 4, 2008 and May 5, 2008 and reused as daily cover material at WM – Taunton Sanitary Landfill in accordance with all Local, State and Federal Regulations.

Presented by:

Waste Management of Massachusetts, Inc.
Taunton Sanitary Landfill
330 East Britannia Street
Taunton, Massachusetts 02780

Authorized Signature: _____
Aaron Smith

Title: *District Manager*

Date: *October 2, 2008*

Generator's Nonhazardous Waste Profile Sheet

Requested Disposal Facility Taunton Landfill Profile Number 100010MA

☐ Renewal for Profile Number _____ Waste Approval Expiration Date 06/30/2008

A. Waste Generator Facility Information (must reflect location of waste generation/origin)

1. Generator Name: Naval Station Newport
2. Site Address: 144 Taylor Drive (Old Fire Fighting Training Are
3. City/ZIP: Newport
4. State: RI
5. County: _____
6. Contact Name/Title: Mark Rielly
7. Email Address: 1 Simonpietri Drive
8. Phone: 401-841-1791 9. FAX: _____
10. NAICS Code: _____
11. Generator USEPA ID #: _____
12. State ID# (if applicable): _____

B. Customer Information ☐ same as above P. O. Number: _____

1. Customer Name: Global Remediation Services Inc.
2. Billing Address: 1 Westinghouse Plaza (Suite 4001)
3. City, State and ZIP: Boston MA, 02137
4. Contact Name: Tim Burbank
5. Contact Email: tburbank@globalremediation.com
6. Phone: 6173640012 FAX: 6173615088
7. Transporter Name: Global Remediation Services Inc.
8. Transporter ID # (if appl.): N/A
9. Transporter Address: 1 Westinghouse Plaza Suite 4001
10. City, State and ZIP: Boston MA, 02137

C. Waste Stream Information

1. DESCRIPTION

a. Common Waste Name: fuel contaminated Soil

State Waste Code(s): _____

b. Describe Process Generating Waste or Source of Contamination:

Site remediation of former fire fighting training area.

c. Typical Color(s): brown to black soil

d. Strong Odor? ☐ Yes ☑ No Describe: mild fuel oil odor

e. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Powder ☐ Semi-Solid or Sludge ☐ Other: _____

f. Layers? ☐ Single layer ☐ Multi- layer ☑ NA

g. Water Reactive? ☐ Yes ☑ No If Yes, Describe: _____

h. Free Liquid Range (%): _____ to _____ ☑ NA(solid)

i. pH Range: ☐ ≤2 ☑ 2.1-12.4 ☐ ≥12.5 ☐ NA(solid) ☐ Actual: _____

j. Liquid Flash Point: ☐ < 140°F ☐ ≥ 140°F ☑ NA(solid) ☐ Actual: _____

k. Flammable Solid: ☐ Yes ☑ No

l. Physical Constituents: List all constituents of waste stream - (e.g. Soil 0-80%, Wood 0-20%): ☐ (See Attached)

Constituents (Total Composition Must be = 100%)	Lower Range	Unit of Measure	Upper Range	Unit of Measure
1. petroleum DRO	168	ppm	2080	ppm
2. sand and gravel	60	%	80	%
3. silt	0	%	5	%
4. brick	0	%	10	%
5. glass	0	%	5	%
6.				

2. ESTIMATED QUANTITY OF WASTE AND SHIPPING INFORMATION

a. ☑ Event ☐ Base/Ongoing (Check One)

b. Estimated Annual Quantity: 1200 ☑ Tons ☐ Cubic Yards ☐ Drums ☐ Gallons ☐ Other (specify): _____

c. Shipping Frequency: _____ Units per ☐ Month ☐ Quarter ☐ Year ☑ One Time ☐ Other

d. Is this a U.S. Department of Transportation (USDOT) Hazardous Material? (If yes, answer e.) ☐ Yes ☑ No

e. USDOT Shipping Description (if applicable): Non-Haz Non DOT reg.

3. SAFETY REQUIREMENTS (Handling, PPE, etc.): Gloves, safety glass

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Generator's Nonhazardous Waste Profile Sheet

D. Regulatory Status (Please check appropriate responses)

1. Is this a USEPA (40 CFR Part 261)/State hazardous waste? If yes, contact your sales representative. ☐ Yes ☑ No
2. Is this waste included in one or more of categories below (Check all that apply)? If yes, attach supporting documentation. ☐ Yes ☑ No
   - ☐ Delisted Hazardous Waste
   - ☐ Excluded Wastes Under 40 CFR 261.4
   - ☐ Treated Hazardous Waste Debris
   - ☐ Treated Characteristic Hazardous Waste
3. Is the waste from a Federal (40 CFR 300, Appendix B) or state mandated clean-up? If yes, see instructions. ☐ Yes ☑ No
4. Does the waste represented by this waste profile sheet contain radioactive material? ☐ Yes ☑ No
   - a. If yes, is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☑ No
   - b. If yes, is disposal regulated by a State Agency for radioactive waste/NORM? ☐ Yes ☑ No
5. Does the waste represented by this waste profile sheet contain concentrations of regulated Polychlorinated Biphenyls (PCBs)? ☐ Yes ☑ No
   - a. If yes, is disposal regulated under TSCA? ☐ Yes ☐ No
6. Does the waste contain untreated, regulated, medical or infectious waste? ☐ Yes ☑ No
7. Does the waste contain asbestos? ☐ Yes ☑ No If Yes, ☐ Friable ☐ Non Friable
8. Is this profile for remediation waste from a facility that is a major source of Hazardous Air Pollutants (Site Remediation NESHAP, 40 CFR 63 subpart GGGGG)? ☐ Yes ☑ No
   - If yes, does the waste contain <500 ppmw VOHAPs at the point of determination? ☐ Yes ☐ No

E. Generator Certification (Please read and certify by signature below)

By signing this Generator's Waste Profile Sheet, I hereby certify that all:

1. Information submitted in this profile and all attached documents contain true and accurate descriptions of the waste material;
2. Relevant information within the possession of the Generator regarding known or suspected hazards pertaining to this waste has been disclosed to WM/the Contractor;
3. Analytical data attached pertaining to the profiled waste was derived from testing a representative sample in accordance with 40 CFR 261.20(c) or equivalent rules; and
4. Changes that occur in the character of the waste (i.e. changes in the process or new analytical) will be identified by the Generator and disclosed to WM (and the Contractor if applicable) prior to providing the waste to WM (and the Contractor if applicable).
5. Check all that apply:
   - ☐ Attached analytical pertains to the waste. Identify laboratory & sample ID #'s and parameters tested: _____ # Pages: _____
   - ☐ Only the analyses identified on the attachment pertain to the waste (identify by laboratory & sample ID #'s and parameters tested). Attachment #: _____
   - ☐ Additional information necessary to characterize the profiled waste has been attached (other than analytical). Indicate the number of attached pages: _____
   - ☐ I am an agent signing on behalf of the Generator, and the delegation of authority to me from the Generator for this signature is available upon request.
   - ☐ By Generator process knowledge, the following waste is not a listed waste and is below all TCLP regulatory limits.

Certification Signature: M-O Rielly Title: Env. Program Manager

Company Name: Naval Station Newport Name (Print): Mr. Mark Rielly

Date: 2-6-08

FOR WM USE ONLY

Management Method: ☑ Landfill ☐ Bioremediation ☐ Non-hazardous solidification ☐ Other: Landfill Cover

Approval Decision: ☑ Approved ☐ Not Approved

Waste Approval Expiration Date: 06/30/2008

Management Facility Precautions, Special Handling Procedures or Limitation on approval:

- ☑ Shall not contain free liquid
- ☑ Shipment must be scheduled into disposal facility
- ☑ Approval Number must accompany each shipment
- ☑ Waste Manifest must accompany load

WM Authorization Name / Title: Peter J. Rubin, ENV ENG MGR Date: 3/27/08

State Authorization (if Required): _____ Date: _____

ADDENDUM 1 OF WASTE STREAM PROFILE
Re-use of Contaminated Soils
Pursuant to MADEP Policy # COMM-97-001

A. Client/Customer Information

1. Name: Global Remediation Service
2. Address: 1 Westinghouse Plaza Siute 4001
3. City: Boston
4. Contact: Tim Burbank
5. Phone: (617) 364-0012
6. State & ZIP: MA 02137

B. Generator Information

1. Name: Naval Station Newport
2. Address: 1 Simonpietri Drive
3. City: Newport
4. Contact: Mark Rielly
5. Phone: (401) 841-1791
6. State & ZIP: RI 02841

C. QEP/LSP/LEP Information

1. Name: TK&K Services, LLC
2. Address: 32 Neal Gate Street
3. City: Scituate
4. Program Registered Under: MADEP
5. Contact: Lawrence E. Kahrs
6. Phone: (781) 545-7555 (781) 664-0086
7. State & ZIP: MA 02066-4427
8. LSP/LEP #: 2890

D. Laboratory Analysis

Laboratory analyses have been performed on the soil for the parameters indicated below. The required minimum analytical is indicated with asterisks. All laboratory reports accompany the data package.

Constituent	High Concentration Level
VOCs (8260)	3.4 ppm
SVOCs (8270)	8.8 ppm
TPH	2080 ppm
PCBs (8080)	<0.06 ppm
RCRA Metals	
As (Arsenic)	3.6 ppm
Cd (Cadmium)	1.52 ppm
Cr (Chromium)	20.5 ppm
Hex Cr (Total Cr greater than 30 ppm)	
Pb (Lead)	1380 ppm* (post-treatment)
Hg (Mercury)	0.704 ppm
Conductivity (if not performed, provide justification)	petroleum contamination - NA
Reactivity (cyanide/sulfide), Corrosivity, Ignitability	
TCLP (as required by total data)	3.46 mg/l* (from untreated portion)
Additional Constituents of Concern***	
Field Screening Data	Type:

*** Please address any constituents of concern that are not on the COMM-97-001 table 1 in a separate letter (Other constituents may require the material to be approved using a BUD or Special Waste Permit)

Site location map & site sketch enclosed? ☑ Yes ☐ No

Is this a MCP Waste? ☐ Yes ☑ No

Is material on ☐ BOL or ☑ MSR?

E. Decharactorized Soils

For Treated Soils:

Has a description of the treatment process and a copy of the WAP (Waste Analysis Plan) been included? ☑ Yes ☐ No

Is the land disposal restriction certification statement pursuant to 40 CFR 268.49(c) and 40 CFR 268.7(b)(4) included? ☐ Yes ☑ No

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ADDENDUM 1 OF WASTE STREAM PROFILE
Re-use of Contaminated Soils
Pursuant to MADEP Policy # COMM-97-001

F. Description/Source of Release

Source and Type of Release (describe): Petroleum contamination

Date of Release: 1940. through 1972

Other Contamination Source(s): none

Contaminants of Concern: Petroleum hydrocarbons (DRO) and PAHs

G. Site History

Past Uses: Naval Fire Fighting Training Facility

Current Uses: undeveloped

If Pesticides are Present: ☐ Yes ☑ No If Yes, please answer the questions below:

Were the Pesticides applied to the soil in a manner that was consistent with the product label and manufacturer's instructions? ☐ Yes ☐ No

Has the concentration of the Chlorinated pesticides been included in the total VOC Level? ☐ Yes ☐ No

Has the concentration of the Chlorinated pesticides been included in the total SVOC Level? ☐ Yes ☐ No

What is the classification Method used:

1. USC ☐
2. Modified Burmister ☑
3. USDA ☐
4. Other: _____

H. Physical Soil Description and Classification

Physical Description of Soils (sand, gravel, urban fill, peat, clay) with percentages, including classification method(s):

Well-graded Sand and Gravel, some Fill consisting of brick and glass, little Silt, trace Ash

I. Check the Following Materials That are Present (Check all that apply)

☑ Construction Debris
☐ Coal
☑ Ash
☐ Organic Matter
☐ Vegetative Matter
Other: _____

J. Soil Sampling Methodology

☐ Grab ☑ Composite ☐ Soil Boring ☐ Test Pit ☐ Headspace Screened

K. Soil Characterization Methodology

☑ Stockpile ☐ In-Situ Other: _____

Frequency of Sampling: One sample/ 150 cubic yards

Describe other areas (hotspots, other portions of site) that have been identified and that will be managed at other facilities:
Original stockpile areas denoted WCC07 and 08 exhibited levels of total lead >2000 ppm. Post-treatment sampling indicates stockpile portion WCT04 is >2000 ppm total lead and this portion will be disposed of at another facility.

QEP/LSP/LEP Signature: _____ Date: 3/26/08

LSP CERTIFICATION: I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete.

GENERATOR CERTIFICATION: By signing below, the Generator certifies and warrants that, having used due diligence (MADEP Policy HW93-01): (a) all the information contained in this submittal is true, accurate and complete; (b) all information of any releases/spills which may have affected the site, including type of materials released/spilled, has been disclosed; and (c) the materials addressed by this submittal do not contain any contaminants not disclosed in this submittal and are not listed or characteristic hazardous wastes as defined by RCRA.

Generator Signature: _____ Date: _____

Printed Name: _____ Company: _____

©2007 Waste Management, Inc.

Certificate of Disposal

Issued to:

Global Remediation Services, Inc.

1 Westinghouse Plaza; Suite 4001
Boston, MA 02136-2059

By signing this Certificate of Disposal, the disposal facility below certifies that 1757.46 Tons of Non Hazardous Contaminated Soil meeting the COMM 97-001 Policy (Profile #100010MA) generated by Naval Station Newport, 144 Taylor Drive (Old Fire Training Area), Newport, RI was received between April 4, 2008 and May 5, 2008 and reused as daily cover material at WM – Taunton Sanitary Landfill in accordance with all Local, State and Federal Regulations.

Presented by:

Waste Management of Massachusetts, Inc.

Taunton Sanitary Landfill
330 East Britannia Street
Taunton, Massachusetts 02780

Authorized Signature:_____
Aaron Smith

Title: *District Manager*

Date: *October 2, 2008*

Customer Summary Report
Criteria: 01/01/2008 12:00 AM to 05/19/2008 11:59 PM
Business Unit Name: WM of MA Taunton Landfill - S04125 (USA)
Date: May 19 2008, 11:06:36 AM - Central Standard Time
Customer Name: GLOBALRS (Global Remediaton Services Inc.)

Ticket Date	Ticket ID	Customer	Generator	Profile	Truck	Material	Origin	Tons
4/4/2008	803372	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	20.61
4/4/2008	803373	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	18.54
4/4/2008	803379	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.73
4/4/2008	803428	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	18.86
4/4/2008	803438	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	23.59
4/4/2008	803439	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	24.94
								129.27
4/7/2008	803533	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	25.37
4/7/2008	803534	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	21.03
4/7/2008	803538	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.01
4/7/2008	803543	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.45
4/7/2008	803581	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	25.68
4/7/2008	803582	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	19.34
4/7/2008	803587	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.68
4/7/2008	803591	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.72
4/7/2008	803628	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	23.32
4/7/2008	803629	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.26
								224.86
4/8/2008	803633	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	21.08
4/8/2008	803653	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.21
4/8/2008	803659	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	22.78
4/8/2008	803674	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	20.4
4/8/2008	803677	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	24.89
4/8/2008	803692	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.94
4/8/2008	803697	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	25.85
4/8/2008	803719	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	23.05
4/8/2008	803720	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	20.94
4/8/2008	803739	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.16
4/8/2008	803743	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	27.2
								252.5
4/9/2008	803752	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.52

4/9/2008	803753	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	20.72
4/9/2008	803769	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.4
4/9/2008	803775	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	24.77
4/9/2008	803776	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	WHYNOT 25	Cont Soil RCG-Tons	RI	25.49
4/9/2008	803793	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.8
4/9/2008	803794	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	18.98
4/9/2008	803818	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	19.63
4/9/2008	803831	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	28.36
4/9/2008	803832	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	WHYNOT 25	Cont Soil RCG-Tons	RI	26.69
4/9/2008	803860	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	G6	Cont Soil RCG-Tons	RI	20.1
4/9/2008	803865	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	23.05
4/9/2008	803866	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	BEAVER 40	Cont Soil RCG-Tons	RI	28.13
4/9/2008	803870	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	WHYNOT 25	Cont Soil RCG-Tons	RI	27.23
4/9/2008	803871	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	27.18
								357.05
4/10/2008	803890	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.65
4/10/2008	803891	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	22.4
4/10/2008	803892	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.6
4/10/2008	803933	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	23.21
4/10/2008	803934	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23.26
4/10/2008	803935	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.29
4/10/2008	803977	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	27.23
4/10/2008	803985	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	22.2
4/10/2008	803986	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.99
								206.83
4/11/2008	804011	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	20.78
4/11/2008	804013	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	23.73
4/11/2008	804014	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23.45
4/11/2008	804069	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	22.3
4/11/2008	804070	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	22.53
4/11/2008	804071	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23.22
4/11/2008	804121	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	globe r8	Cont Soil RCG-Tons	RI	24.43
4/11/2008	804122	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	20.9
4/11/2008	804123	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	27.65
								208.99
4/14/2008	804201	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	20.33
4/14/2008	804202	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	NORFOLK T9	Cont Soil RCG-Tons	RI	25.78

4/14/2008	804203	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23.68
4/14/2008	804256	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	20.4
4/14/2008	804257	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	NORFOLK T9	Cont Soil RCG-Tons	RI	20.89
4/14/2008	804259	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23.15
4/14/2008	804309	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	NORFOLK T9	Cont Soil RCG-Tons	RI	23.97
4/14/2008	804317	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	23
4/14/2008	804318	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.03
4/14/2008								202.23
	804338	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.57
4/15/2008	804395	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	21.64
4/15/2008	804460	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	R11	Cont Soil RCG-Tons	RI	23.19
4/15/2008								66.4
	806623	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	NORFOLK T9	Cont Soil RCG-Tons	RI	23.29
5/5/2008	806643	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	25.05
5/5/2008	806675	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	NORFOLK T9	Cont Soil RCG-Tons	RI	22.78
5/5/2008	806700	Global Remediaton Services Inc.	NE-NAVALSTANEWPORT	100010MA	SULLY938	Cont Soil RCG-Tons	RI	38.21
5/5/2008								109.33
								1757.46
Material Total	76							1757.46
Customer Total	76							1757.46
Ticket Totals	76							

		Tons	
Internal Customer	Loads	Tons	
External Customer	Loads	1757.46	
Global Remediaton Services Inc.	76		

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

A. Location Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.

1. Provide the following information on the location where the waste was generated:

Old Fire Fighting training Area
Release name (optional)

144 Taylor Drive
Street

Coaster Habor Island
Location aid

Newport
City/Town

MA
State

02841
Zip code

2. Date/Period of generation: 1/7/08 From _____ To

3. U.S. EPA ID number: _____

4. 21E release: ☐ Yes ☒ No

5. List additional tracking documents associated with this document:

B. Generator Information

Important: This form is not to be used for the shipment of remediation wastes subject to management under section 310 CMR 40.0035 of the Massachusetts Contingency Plan nor is it to be used in lieu of a hazardous waste manifest for hazardous waste or recyclable materials subject to the Massachusetts Hazardous Waste Regulations 310 CMR 30.000.

1. Provide the following generator information:

Naval Station Newport
Name of organization

Mark Rielly
Contact name

Env. Program Manager
Title

1 Simonpietri Drive
Street address

Newport
City/Town

RI
State

02841
Zip code

401-841-1791
Telephone number(including extension)

C. Owner and/or Operator Information

1. If the owner and/or operator is different from the generator as indicated in Section B, provide the following information:

Check applicable: ☒ owner ☐ operator

Name of organization

Contact name

Title

Street address

City/Town

State

Zip code

Telephone number

Ext.

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

D. Transporter/Common Carrier Information

1. Provide the following information:

Global Remediation Service Inc.
Transporter/Common carrier name

N/A
Hazardous waste license number (if applicable)

Licensing state (if applicable)

Tim Burbank
Contact person

PM
Title

1 Westinghouse Plaza Suite 4001
Street

Hyde Park
City/Town

MA
State

02137
Zip code

617-364-0012
Telephone number

201
Ext.

E. Receiving Facility Information

1. Provide the following information on the receiving facility:

Waste Management - Taunton Sanitary Landfill
Operator/Facility name

Contact person

Title

330 East Britannia Street
Street

Taunton
City/Town

MA
State

02780
Zip code

(781)
Telephone number

Ext.

2. Type of facility:

- ☐ asphalt batch/cold mix
- ☐ asphalt batch/hot mix
- ☐ landfill/disposal
- ☒ landfill/ daily cover
- ☐ thermal processing
- ☐ landfill/structural fill
- ☐ other(specify):

3. Permit number: W031554

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

F. Description of Material

Check all that apply:

1. a. ☒ soil ☐ dredge material ☒ fill

   b. Description: Sand and gravel, some silt, concrete, brick, glass and ash

   c. Classification: ☐ MIT ☒ USDA ☐ USAEC ☐ ASEE

2. ☐ Other(describe): _____

3. Type of contamination:

   a. ☐ gasoline ☐ diesel fuel ☒ #2 oil ☐ #4 oil
   ☐ #6 oil ☐ waste oil ☐ kerosene ☐ jet fuel

   b. ☒ Debris:
   ☒ demolition ☐ vegetative ☐ inorganic

   c. ☐ Other(describe): _____

4. Constituents of concern (check all that apply):

   ☒ As ☒ HVOCs
   ☒ Cd ☒ PATH
   ☒ Cr ☒ VOCs
   ☒ Pb ☒ PAHs
   ☒ Hg ☒ BNAs
   ☐ Na ☒ TPH
   ☒ PCBs ☐ Other(describe): TLCP Lead

5. Analyses performed (check all that apply):

   ☒ As ☒ PATH
   ☒ Cd ☒ VOCs
   ☒ Cr ☒ PAHs
   ☒ Pb ☒ BNAs
   ☒ Hg ☒ TPH
   ☐ Na ☒ TCLP (inorganic)
   ☒ PCBs ☐ TCLP (organic)
   ☒ HVOCs ☐ Other(describe): TCLP Lead

6. Screening performed:

   _____
   Type

   _____
   Instrument used

   _____
   Constituents

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

F. Description of Material (cont.)

7. Estimated volume of materials:

1100	1850	
Cubic yards	Tons	Other(specify units)

8. Contaminant source (check one):

- ☐ transportation accident
- ☐ ust
- ☒ other(describe): Petroleum used during Fire Fighting Training

9. Indicate which waste characterization support documentation is attached:

- ☒ site history information
- ☒ sampling and analytical methods/procedure
- ☒ laboratory data
- ☒ field screening data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to the facility.

G. Qualified Environmental Professional Opinion

"I have personally examined and am familiar with the information contained on and submitted with this form. Based on this information, it is my opinion that the testing and assessment actions undertaken were adequate to characterize the waste, and that the facility or location can accept wastes with the characteristics described in this submittal. I am aware that significant penalties including, but not limited to, possible fines and imprisonment may result if I willfully submit information which I know to be false, inaccurate, or materially incomplete."

TK&K Services, LLC
Name of organization

Lawrence E Kahrs
Name of professional

Vice President
Title

(781) 545-7555
Telephone number

Ext.

Signature

4/3/08
Date

2890
License number

Seal:

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

H. Certification of Generator

"I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information contained herein is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information."

Signature: M. J. Rielly

Date: 4-3-08

Name(print): MARK J. RIELLY

I. Acknowledgment of Receipt by Receiving Facility

Receiving facility: WM TAUNTON LANDFILL

Representative (print): AARON SMITH

Title: DISTRICT MANAGER

Signature: [illegible]

Date: 05/19/08

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

TUCK# G-6

N/A
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: RA Eller

Date received: 4-4-08 Time received: 10:03

Truck/Tractor registration: L 74-730

Load size (cubic yards/tons): 18.54

Receiving facility: Taunton L.

Date of shipment: By

Time of shipment:

Trailer registration:

DECEIVED APR 04 2008

Load#: 2

Signature of transporter: RA Eller

Date received: 4-4-08 Time received: 1:08

Truck/Tractor registration: L 74-730

Load size (cubic yards/tons): 18.86

Receiving facility: Taunton L.

Date of shipment:

Time of shipment:

Trailer registration:

DECEIVED APR 04 2008

Load#:

Signature of transporter:

Date received: Time received:

Truck/Tractor registration:

Load size (cubic yards/tons):

Receiving facility:

Date of shipment: Time of shipment:

Trailer registration:

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):

Total carried forward (cubic yards/tons):

Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 E[illegible] Britannia St
Taun[illegible] MA, 02780
Ph: 508-821-4444

Original
Ticket# 803373

Customer Name GLOBAL Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/04/2008 Vehicle# 06 Volume
Payment Type Credit Account Container
Manual Ticket# Driver 808
Hauling Ticket# Check#
Route Billing # 00000117
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 100016MA (CONT SOIL REC TEXCLUDED FROM DAILY TONNAGE)
Generator NE NAVAL STANNEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound	Gross	66040 lb
In	04/04/2008 10:03:44	Scale1	Swanson		Tare	29960 lb
Out	04/04/2008 10:22:13	Scale1	Swanson		Net	37080 lb
					Tons	18.54

Comments

Product		LOW	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil REC Tons	100	18.54	Tons				RI
2	FEEW-Environmenta	100	2					RI

Total Tax
Total Ticket

Driver's Signature

403WM

WASTE MANAGEMENT

Taunton Landfill
240 East Brimmer St.
Taunton, MA, 02780
(781)880-821 4444

Original
Ticket# 0003408

Customer Name GLOBALCRS Global Remediation Se
Ticket Date 06/04/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
Waste Water Code
Manifest *
Destination
PO
Profile 100010NS (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE)
Generator NE NAVALSTATIONNEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# GE Volume .1
Container
Driver BOB
Check#
Billing # 0000117
Zone/EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	67480 lb
In	06/04/2008 12:08:40	Scale1	swoodbur		Tare	29760 lb
Out	06/04/2008 12:08:40		swoodbur		Net	37720 lb
					Tons	18.86

Comments

Product	Line	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB Tons 100		18.86	Tons				RI
2 TSENV-SOIL Contaminated 500		*					RI

Total Tax
Total Ticket

Driver's Signature

03WM

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A RS
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: J. Mathis

Receiving facility: Taunton landfill

Date received: 4/4/08

Time received: 0700 9:59

Date of shipment: RECEIVED APR 04 2008

Time of shipment:

Truck/Tractor registration: 67514

Trailer registration: By

Load size (cubic yards/tons): 20.61

Load#: 2

Signature of transporter: J. Mathis

Receiving facility: Taunton landfill

Date received: 4/4/08

Time received: 1:49

Date of shipment: RECEIVED APR 04 2008

Time of shipment:

Truck/Tractor registration: 67514

Trailer registration: By

Load size (cubic yards/tons): 23.59

Load#: _____

Signature of transporter

Receiving facility

Date received

Time received

Date of shipment

Time of shipment

Truck/Tractor registration

Trailer registration

Load size (cubic yards/tons)

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Lawrence Landfill
348 East Brightmire Rd.
Lawrence, MA 01843
Phone 508 681 4444

Original
Ticket# 60,192

Customer Name GLOBAL Global Remediation Sa Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/04/2008 Vehicle# globe rB Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000117
State Waste Code Sub PO#
Manifest
Destination Grid
PO
Profile 100010000 (CONT SOIL NOC (EXCLUDED FROM DAILY TONNAGE))
Generator MC-NOVEL STREET-NEWPORT NOVEL STATION NEWPORT

	Time	Scale	Operator	Inbound		
In	04/04/2008 09:15:29	scale1	swashbur		Gross	77880 lb
Out	04/04/2008 10:13:51	Scale1	swashbur		Tare	36560 lb
					Net	41320 lb
					Tons	20.61

Comments NOVEL YARD NEWPORT

Product	LDM	Qty	UOM	Rate	Tax	Amount	Origin
1 Non Haz Soil RCL Jobs 100		20.61	TON				RI
2 P.S.NW Environmental 100			W				RI

Total Tax
Total Ticket

Driver's Signature

Taunton Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-[illegible]

Original
Ticket# 802438

Customer Name GLOBAL Global Remediation Sv
Ticket Date 04/04/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 1408100R (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NEWPORT/STONEWALL NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# Slate rd Volume
Container
Driver JIM
Check#
Billing # 00000117
Sec Sch ID
Grad

	Time	Scale	Operator	Inbound		
In	04/04/2008 12:49:02	Scale1	Westbur		Gross	83040 lb
Out	04/04/2008 12:49:02		Swadbur		Tare	35660 lb
					Net	47180 lb
					Tons	23.59

Comments

Product	Line	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil R/C fees	100	23.59	Tons			RI
2	PSNV-Co [illegible] Britannia	100		%			RI

Total Tax
Total Ticket

Driver's Signature

403WM

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

RC 11

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: _____

Signature of transporter: W. Brown
Receiving facility: Taunton Landfill
Date received: 04-04-08
Time received: 10:14
Date of shipment: 04-04-08
Time of shipment:
Truck/Tractor registration: MA 68776 ~~MA 76025~~
Trailer registration: MA 76025
Load size (cubic yards/tons): 22.73

Load#: _____

Signature of transporter: W. Brown
Receiving facility: Taunton Landfill
Date received:
Time received: 2:00
Date of shipment: 04-04-08
Time of shipment:
Truck/Tractor registration: MA 68776
Trailer registration: MA 76025
Load size (cubic yards/tons): 24.94

Load#: _____

Signature of transporter:
Receiving facility:
Date received:
Time received:
Date of shipment:
Time of shipment:
Truck/Tractor registration:
Trailer registration:
Load size (cubic yards/tons):

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):
Total carried forward (cubic yards/tons):
Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 E. Britannia St
Taunton, MA. 02780
PH: 508-821-4444

Original
Ticket# 803379

Customer Name GLOBAL Global Remediation Se
Ticket Date 04/04/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO
Profile 10YDLOAD CONT SOIL RCC (EXCLUDES FROM DAILY TONNAGE)
Generator NE NORTH STORAGE/ORC NORTH STATION NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# RI Volume
Container
Driver
Check#
Billing # 00000157
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	84140 lb
In	04/04/2008 10:14:53	Scale1	trashbur		Tare	38600 lb
Out	04/04/2008 10:24:08	Scale1	trashbur		Net	45540 lb
					Tons	22.77

Comments

Product	LOT#	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCC Tons 100		22.77	Tons				RI
2 PSNW Environmental 100			%				RI

Total Tax
Total Ticket

Driver's Signature

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 802939

Customer Name: CLEARLAKE Global Remediation Se
Ticket Date: 04/04/2008
Payment Type: Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest
Destination
PO
Profile: 1008100A (CLEAN SOIL NOT RESTRICTED FROM UTILY TUNNELS)
Generator: MI SAVOY STORE/NORTH NOVA, STATION - GROUND

Carrier: GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle#: R10
Volume
Container
Driver
Check#
Billing #: 0000107
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	68560 lb
In:	04/04/2008 13:59:31	(Scale)	Swanson		Tare	28580 lb
Out:	04/04/2008 14:29:51		Swanson		Net	39980 lb
					Tons	19.99

Comments

	Product	CD%	Qty	UM	Rate	Tax	Amount	Origin
1	Clean Soil RCG Tons	100	19.99	Tons				CT
2	PSEW-Environmental	100						RI

Total Tax
Total Ticket

Driver's Signature

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

R11

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: _____

Signature of transporter: (W Brown)
Date received: _____ Time received: 9:17
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.01

Receiving facility: Taunton
Date of shipment: 04-07-08
Time of shipment: _____
Trailer registration: MA 70625
RECEIVED APR 07 2008 By (dd)

Load#: _____

Signature of transporter: W Brown
Date received: _____ Time received: 12:46
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 22.68

Receiving facility: Taunton
Date of shipment: 04-07-08
Time of shipment: _____
Trailer registration: MA 70625
RECEIVED APR 07 2008 By (dd)

Load#: _____

Signature of transporter: W Brown
Date received: _____ Time received: 4:00
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.26

Receiving facility: Taunton
Date of shipment: 04-07-08
Time of shipment: _____
Trailer registration: MA 76025 (dd)
RECEIVED APR 07 2008

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons) _____

Total carried forward (cubic yards/tons) _____

Total carried forward and this page (cubic yards/tons) _____

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803538

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
MD
Profile 1000TONS CONT SOIL PCC (EXCLUDED FROM DAILY TONNAGE)
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 09:17:38	Scale1	swashbur		Gross	80700 lb
Out	04/07/2008 09:17:38		swashbur		Tare	38680 lb
					Net	42020 lb
					Tons	21.01

Comments

Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons	100	21.01	Tons				RI
2 * WCMV-Environmental	100		*				RI

Total Tax
Total Ticket

Driver's Signature

WC 14 + 15

403WM

WASTE MANAGEMENT

Taunt[illegible] Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803587

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010NC (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	84040 lb
In	04/07/2008 12:46:24	Scale1	swashburn		Tare	38680 lb
Out	04/07/2008 12:46:24		swashburn		Net	45360 lb
					Tons	22.68

Comments

Product	LDR	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCD Tons 100		22.68	Tons				RI
8 PSEAUC Environmental 100			%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
240 East Britannia St
Taunton MA, 02780
Ph: 508-821-4444

Original
Ticket# 803689

Customer Name GLOBAL ES Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/07/2008 Vehicle# 811 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 00008117
State Waste Code Ban EPA ID
Manifest #
Destination Grid
PO
Profile # 100010000 ROOM SOIL REC (EXCLUDED FROM DAILY TONNAGE)?
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound	Gross	81200 lb
In	04/07/2008 16:03:37	Scale1	swashbur		Tare	38680 lb
Out	04/07/2008 16:08:27		swashbur		Net	42520 lb
					Tons	21.26

Comments

Product	LOS	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil R(0-5tons 100		21.26	Tons				RI
2 P3200 Emulsified 100			%				RI

Total Tax
Total Ticket

WCT Soil

Driver's Signature

403WM

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

TRUCK# G-6

N/A
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: Ronald Cole

Date received: 4-7-08

Time received: 9:00

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 21.03

Receiving facility: Taunton

Date of shipment: RECEIVED APR 07 2008

Time of shipment:

Trailer registration:

Load#: 2

Signature of transporter: Ronald Cole

Date received:

Time received: 12:28

Truck/Tractor registration:

Load size (cubic yards/tons): 19.34

Receiving facility: Taunton

Date of shipment: RECEIVED APR 07 2008

Time of shipment:

Trailer registration:

Load#:

Signature of transporter:

Date received:

Time received:

Truck/Tractor registration:

Load size (cubic yards/tons):

Receiving facility:

Date of shipment:

Time of shipment:

Trailer registration:

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):

Total carried forward (cubic yards/tons):

Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803588

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# 86 Volume
Container
Driver BOB
Check#
Billing # 0000117
Gen EPA ID
Grid

Profile 100010MA CLINT SOIL RDC (EXCLUDED FROM DAILY TONNAGE)
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound	Gross	68440 lb
In	04/07/2008 12:28:35	Scale1	swashbur		Tare	29760 lb
Out	04/07/2008 12:28:35		swashbur		Net	38680 lb
					Tons	19.34

Comments

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RDC-Tons	100	19.34	Tons				RI
2	P3ENV-Environmental	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT Soil

408WM

WASTE MANAGEMENT

Taun[illegible] Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803634

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 10001OMW (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# 06 Volume *
Container
Driver ROB
Check#
Billing # 00000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 09:00:34	Scale1	swashbur		Gross	71820 lb
Out	04/07/2008 09:00:34		swashbur		Tare	29760 lb
					Net	42060 lb
					Tons	21.03

Comments

Product	LDM	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC Tons 100		21.03	Tons				RI
2 P3ENV Environmental 100			#				RI

Total Tax
Total Ticket

Driver & Signature

403WM

B Corr.

WC14-15

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803543

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 09:34:42	Scale1	swashbur		Gross	81560 lb
Out	04/07/2008 09:34:42		swashbur		Tare	36660 lb
					Net	44900 lb
					Tons	22.45

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	22.45	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Jim

Driver's Signature

ACT-01-11

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803591

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 13:03:15	Scale1	swashbur		Gross	82100 lb
Out	04/07/2008 13:03:15		swashbur		Tare	36660 lb
					Net	45440 lb
					Tons	22.72

Comments

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	22.72	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

D er's Signature

402WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803533

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN '
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 08:57:21	Scale1	swashbur		Gross	81940 lb
Out	04/07/2008 08:57:37	Scale1	swashbur		Tare	31200 lb*
					Net	50740 lb
					Tons	25.37

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	25.37	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

403WM

A-TECH WC14-15

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803581

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 12:26:48	Scale	swashbur		Gross	82560 lb
Out	04/07/2008 12:26:48		swashbur		Tare	31200 lb
					Net	51360 lb
					Tons	25.68

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	25.68	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

403WM

A-TECH WCT

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803628

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/07/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/07/2008 15:55:27	Scale	swashbur		Gross	77840 lb
Out	04/07/2008 15:55:27		swashbur		Tare	31200 lb
					Net	46640 lb
					Tons	23.32

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	23.32	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

WCT SOIL

Driver's Signature

403WM

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

WM Approval# 100010MA

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

R11

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: Lily Brown
Date received:
Time received: 8:30
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 22.21

Receiving facility: Taunton
Date of shipment: 04-08-08
Time of shipment:
Trailer registration: MA 76025
RECEIVED APR 08 2008 By

Load#: 2

Signature of transporter: Lily Brown
Date received: 04-08-08
Time received: 11:39
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.94

Receiving facility: Taunton
Date of shipment: 04-08-08
Time of shipment:
Trailer registration: MA 76025
RECEIVED APR 08 2008 By

Load#: 3

Signature of transporter: Lily Brown
Date received:
Time received: 2:53
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 22.16

Receiving facility: Taunton
Date of shipment: 04-08-08
Time of shipment:
Trailer registration: MA 76025
RECEIVED APR 08 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803653

Customer Name GLOBALRS Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/08/2008 Vehicle# R11 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 00000117
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator			
In	04/08/2008 08:30:00	Scale1	swashbur	Inbound	Gross	83100 lb
Out	04/08/2008 08:30:00		swashbur		Tare	38680 lb
					Net	44420 lb
					Tons	22.21

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	22.21	Tons				RI
2 PSENV-Environmental	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT soil

403WM

WASTE MANAGEMENT

Taunton Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 802692

Customer Name GLOBALRS Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/08/2008 Vehicle# R11 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000117
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 100010MA (CONT SOIL RCD (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator			
In	04/08/2008 11:39:12	Scale1	swashbur	Inbound	Gross	82560 lb
Out	04/08/2008 11:39:12		swashbur		Tare	38680 lb
					Net	43880 lb
					Tons	21.94

Comments

Product		LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCD-Tons	100	21.94	Tons				RI
2	PREPW-Environmental	100		X				RI

Total Tax
Total Ticket

Driver's Signature

403WM

WCT SOIL

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803739

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100610MA (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVOLSTONEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# RI1 Volume
Container
Driver
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 14:53:42	Scale1	swashbur		Gross	83000 lb
Out	04/08/2008 14:53:42		swashbur		Tare	38680 lb
					Net	44320 lb
					Tons	22.16

Comments

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil REG-Tons	100	22.16	Tons				RI
2	F.ZERV Environmenta	100		%				RI

Total Tax
Total Ticket

WCT SOIL

Driver's Signature

403WM

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

TRUCK# G-6

N/A
Tracking Number

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: [illegible]

Date received: 4-8-08 Time received: 10:16

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 20.40

Receiving facility: Taunton

Date of shipment: RECEIVED APR 08 2008 Time of shipment:

Trailer registration: By [illegible]

Load#: 2

Signature of transporter: [illegible]

Date received: 4-8-08 Time received: 1:43

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 20.94

Receiving facility: Taunton

Date of shipment: RECEIVED APR 08 2008 Time of shipment:

Trailer registration: By [illegible]

Load#:

Signature of transporter:

Date received: Time received:

Truck/Tractor registration:

Load size (cubic yards/tons):

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration:

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):

Total carried forward (cubic yards/tons):

Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Brittannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803674

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 10001000 (CONT SOIL RCG (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# 08 Volume
Container
Driver BOB
Check#
Billing # 00000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 10:16:23	Scale1	swashbur		Gross	70560 lb
Out	04/08/2008 10:16:23		swashbur		Tare	29760 lb
					Net	40800 lb
					Tons	20.40

Comments

	Product	LOC	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	20.40	Tons				RI
2	PSCNV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

403WM

WCT SOIL

WASTE MANAGEMENT

Taunton Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
PH: 508-821-4444

Original
Ticket# 803720

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MR (CONT SOIL RSC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# 06 Volume
Container
Driver BOB
Check#
Billing # 00000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 13:43:09	Scale1	swashbur		Gross	71640 lb
Out	04/08/2008 13:42:09		swashbur		Tare	29760 lb
					Net	41880 lb
					Tons	20.94

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCB-Tons 100		20.94	Tons				RI
2 RSENV Environmental 100			%				RI

Total Tax
Total Ticket

Driver's Signature

403WM

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Profile # 100010 MA

N/A
Tracking Number

R8

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 4/8/08

Time received: 0700

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 21.08

RECEIVED APR 08 2008

Receiving facility: Taunton

Date of shipment

Time of shipment

By

Trailer registration

Load#: 2

Signature of transporter

Date received: 4/8/08

Time received: 10:33

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 24.89

RECEIVED APR 08 2008

Receiving facility: Taunton

Date of shipment

Time of shipment

By

Trailer registration

Load#: 3

Signature of transporter

Date received: 4/8/08

Time received: 1:40

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 23.05

RECEIVED APR 08 2008

Receiving facility: Taunton

Date of shipment

Time of shipment

By

Trailer registration

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taunt[illegible] Landfill
340 E[illegible] Britannia St
Taunton, MA, 02780
Ph: 508 821-4444

Original
Ticket# 803633

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 07:01:37	Scale1	swashbur		Gross	78820 lb
Out	04/08/2008 07:01:37		swashbur		Tare	36660 lb
					Net	42160 lb
					Tons	21.08

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	21.08	Tons				RI
2 PSEUD-Environments	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WET SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803677

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# plane r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID
Grid

Profile 100010MA (CONT SOIL RCC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound		
In	04/08/2008 10:33:14	Scale1	swashbur		Gross	86440 lb
Out	04/08/2008 10:33:14		swashbur		Tare	36660 lb
					Net	49780 lb
					Tons	24.89

Comments

Product	Line	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RED Tons 100		24.89	Tons				RI
2 PSCWI-Environmenta 100			%				RI

Total Tax
Total Ticket

Driver's Signature

NCT Soil

WASTE MANAGEMENT

Taun[illegible] Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803719

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 13:40:32	Scale1	swashbur		Gross	82760 lb
Out	04/08/2008 13:40:32		swashbur		Tare	36660 lb
					Net	46100 lb
					Tons	23.05

Comments

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCS-Tons	100	23.05	Tons				RI
2 PACHW-Environmental	100		*				RI

Total Tax
Total Ticket

Driver's Signature

WCT Soil

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803659

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 08:53:37	Scale1	swashbur		Gross	76760 lb
Out	04/08/2008 08:53:37		swashbur		Tare	31200 lb
					Net	45560 lb
					Tons	22.78

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	22.78	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

WASTE MANAGEMENT

Taunt[illegible] Landfill
340 Ea[illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803697

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 12:13:58	Scale1	swashbur		Gross	82900 lb
Out	04/08/2008 12:13:58		swashbur		Tare	31200 lb
					Net	51700 lb
					Tons	25.85

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	25.85	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT 50.2

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803743

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/08/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/08/2008 15:23:11	Scale1	swashbur		Gross	85600 lb
Out	04/08/2008 15:23:11		swashbur		Tare	31200 lb
					Net	54400 lb
					Tons	27.20

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	27.20	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

TRUCK # G-6

N/A
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: R n A Corp

Date received: 4-9-08 Time received: 7:12

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 20.72

RECEIVED APR 09 2008 By

Receiving facility: Taunton

Date of shipment:

Time of shipment:

Trailer registration:

Load#: 2

Signature of transporter: R n A Corp

Date received: 4-9-08 Time received: 10:37

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 18.98

RECEIVED APR 09 2008 By

Receiving facility: Taunton

Date of shipment:

Time of shipment:

Trailer registration:

Load#: 3

Signature of transporter: R n A Corp

Date received: 4-9-08 Time received: 2:44

Truck/Tractor registration: L74-730

Load size (cubic yards/tons): 20.10

RECEIVED APR 09 2008 By

Receiving facility: Taunton

Date of shipment:

Time of shipment:

Trailer registration:

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WM WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 883794

Customer Name GLOBALAS Global Remediation Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 10001OMA (CONT SOIL RCC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# 86 Volume
Container
Driver BOB
Check#
Billing # 0000117
Gen EPA ID

Solid

	Time	Scale	Operator	Inbound		
In	04/09/2008 10:37:18	Scale1	swashbur		Gross	67720 lb
Out	04/09/2008 10:37:18		swashbur		Tare	29760 lb
					Net	37960 lb
					Tons	18.98

Comments

Product	LD4	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCC-Tons	100	18.98	Tons				R1
2 P3ENV-Environmental	100		%				R1

Total Tax
Total Ticket

Driver's Signature

WASTE MANAGEMENT

Taunton Landfill
340 Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803860

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# G6 Volume
Container
Driver BOB
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 14:44:11	Scale1	swashbur		Gross	69960 lb
Out	04/09/2008 14:44:11		swashbur		Tare	29760 lb
					Net	40200 lb
					Tons	20.10

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	20.10	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

W.T.C

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803753

Customer Name GLOBALRS Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/09/2008 Vehicle# D6 Volume
Payment Type Credit Account Container
Manual Ticket# Driver DOB
Hauling Ticket# Check#
Route Billing # 0000117
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 100010MA (CONT SOIL RCC (EXCLUDED FROM DAILY TONNAGE))
Generator NS-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound		
In	04/09/2008 07:12:10	Scale1	swashbur		Gross	71200 lb
Out	04/09/2008 07:12:10		swashbur		Tare	29760 lb
					Net	41440 lb
					Tons	20.72

Comments

Product	LDM	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCC-Tons 100		20.72	Tons				R1
2 P36NV-Environmental 100			X				N1

Total Tax
Total Ticket

Driver # Signature

W-T-C

4083WM

6

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

R11

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: _____

Signature of transporter: W Brown
Date received: _____
Time received: 8:26
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.40

Receiving facility: Taunton
Date of shipment: 04-09-08
Time of shipment: _____
Trailer registration: MA 76025

RECEIVED APR 09 2008 By

Load#: _____

Signature of transporter: W Brown
Date received: _____
Time received: 11:55
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 19.63

Receiving facility: Taunton
Date of shipment: 04-09-08
Time of shipment: _____
Trailer registration: MA 76025

RECEIVED APR 09 2008 By

Load#: _____

Signature of transporter: W Brown
Date received: _____
Time received: 3:34
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 23.05

Receiving facility: Taunton
Date of shipment: 04-09-08
Time of shipment: _____
Trailer registration: MA 76025

RECEIVED APR 09 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons) _____

Total carried forward (cubic yards/tons) _____

Total carried forward and this page (cubic yards/tons) _____

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 003769

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTONEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# RI Volume
Container
Driver
Check#
Billing # 00000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	81480 lb
In	04/09/2008 08:23:53	Scale1	swashbur		Tare	39680 lb
Out	04/09/2008 08:23:53		swashbur		Net	42800 lb
					Tons	21.40

Comments:

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons	100	21.40	Tons				RI
2	PSENV-Environmental	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

WASTE MANAGEMENT

Taunton Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803818

Customer Name GLOBALRS Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/09/2008 Vehicle# RI1 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 0000117
State Waste Code Gen EPA ID
Manifest *
Destination Grid
PO
Profile 10001GMA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NS-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound		
In	04/09/2008 11:55:05	Scale1	swashbur		Gross	77940 lb
Out	04/09/2008 11:55:03		swashbur		Tare	38680 lb
					Net	39260 lb
					Tons	19.63

Comments

	Product	LOS	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons	100	19.63	Tons				RI
2	PSENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

Lily Brown

WCT SOIL

4030WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803865

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 15:33:48	Scale1	swashbur		Gross	84780 lb
Out	04/09/2008 15:33:48		swashbur		Tare	38680 lb
					Net	46100 lb
					Tons	23.05

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	23.05	Tons				RI
2 F3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature
Lily Brown

WCT SOIL

403WM

(Ste.)

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

RS

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 4/9/08

Time received: 0700

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 22.52

Receiving facility: Taunton

RECEIVED APR 09 2008

Date of shipment

Time of shipment

Trailer registration

By

Load#: 2

Signature of transporter

Date received: 4/9/08

Time received: 10:35

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 22.80

Receiving facility: Taunton

RECEIVED APR 09 2008

Date of shipment

Time of shipment

By

Trailer registration

Load#: 3

Signature of transporter

Date received: 4/9/08

Time received: 4:13

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 27.18

Receiving facility: Taunton

RECEIVED APR 09 2008

Date of shipment

Time of shipment

By

Trailer registration

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taunton Commerce
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803753

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100010MA (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe rS Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	82260 lb
In	04/09/2008 10:35:25	Scale1	swashbur		Tare	36660 lb
Out	04/09/2008 10:35:25		swashbur		Net	45600 lb
					Tons	22.80

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil REC-Tons 100		22.80	Tons				RI
2	PDENV-Environmenta 100			X				RI

Total Tax
Total Ticket

Driver's Signature

Wet soil
Dry soil

403WM

WASTE MANAGEMENT

Taunton Landfill
340 [illegible] Brisannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803752

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RCC (EXCLUDED FROM DAILY TONNAGE)
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe rB Volume
Container
Driver JIM
Check#
Billing # 0000117
Geo EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 07:09:46	Scale1	swashbur		Gross	81700 lb
Out	04/09/2008 07:09:46		swashbur		Tare	36660 lb
					Net	45040 lb
					Tons	22.52

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCC-Tons	100	22.52	Tons				RI
2	*CEMY-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WET SOIL

403WM

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803871

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 16:13:40	Scale1	swashbur		Gross	91020 lb
Out	04/09/2008 16:13:40		swashbur		Tare	36660 lb
					Net	54360 lb
					Tons	27.18

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	27.18	Tons				RI
2	P3EMO-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WM Approval# 100010MA

WHYNOT #25

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 4-09-08 Time received: 9:05

Truck/Tractor registration: 51234 MA

Load size (cubic yards/tons): 25.49

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration: 74269 MA

RECEIVED APR 09 2008 By

Load#: 2

Signature of transporter

Date received: 4-09-08 Time received: 12:51

Truck/Tractor registration: 51234 MA

Load size (cubic yards/tons): 26.69

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration: 74269 MA

RECEIVED APR 09 2008 By

Load#: 3

Signature of transporter

Date received: 4-09-08 Time received: 4:10

Truck/Tractor registration: 51234 MA

Load size (cubic yards/tons): 27.23

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration: 74269 MA

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K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803870

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# WHYNOT 25 Volume
Container
Driver SCOTT
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 16:10:21	Scale1	swashbur		Gross	87460 lb
Out	04/09/2008 16:10:21		swashbur		Tare	33000 lb
					Net	54460 lb
					Tons	27.23

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	27.23	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
340 [illegible] Britannia St
Taunt[illegible], MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803832

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# WHYNOT 25 Volume
Container
Driver SCOTT
Check#
Billing # 0000117
Gen EPA ID

Grid

Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound		
In	04/09/2008 12:51:30	Scale1	swashbur		Gross	86380 lb
Out	04/09/2008 12:51:30		swashbur		Tare	33000 lb
					Net	53380 lb
					Tons	26.69

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	26.69	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803776

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# WHYNOT 25 Volume
Container
Driver SCOTT
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 09:05:10	Scale1	swashbur		Gross	83980 lb
Out	04/09/2008 09:05:38	Scale1	swashbur		Tare	33000 lb*
					Net	50980 lb
					Tons	25.49

Comments MANUAL ENTRY. HAD TARE WGT.

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	25.49	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT Soil

403WM

WASTE MANAGEMENT

Taunt Landfill
340 E Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803775

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 09:01:57	Scale1	swashbur		Gross	80740 lb
Out	04/09/2008 09:01:57		swashbur		Tare	31200 lb
					Net	49540 lb
					Tons	24.77

Comments

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	24.77	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803831

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/09/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BEAVER 40 Volume
Container
Driver JOHN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/09/2008 12:47:41	Scale1	swashbur		Gross	87920 lb
Out	04/09/2008 12:47:41		swashbur		Tare	31200 lb
					Net	56720 lb
					Tons	28.36

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	28.36	Tons				RI
2 P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT SOIL

403WM

WASTE MANAGEMENT

Taunton Landfill
340 E[illegible] Britannia St
Taunt[illegible], MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 803866

Customer Name	GLOBALRS Global Remediaton Se	Carrier	GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date	04/09/2008	Vehicle#	BEAVER 40 Volume
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	JOHN
Hauling Ticket#		Check#	
Route		Billing #	0000117
State Waste Code		Gen EPA ID	
Manifest	*		
Destination		Grid	
PO			
Profile	100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))		
Generator	NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT		

	Time	Scale	Operator	Inbound		
In	04/09/2008 15:59:17	Scale1	swashbur		Gross	87460 lb
Out	04/09/2008 15:59:17		swashbur		Tare	31200 lb
					Net	56260 lb
					Tons	28.13

Comments

WASTE MANAGEMENT

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RCG-Tons	100	28.13	Tons				RI
2	P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT Soil

403WM

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

R11

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: Wy Brown
Date received:
Time received: 8:22
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 22.60

Receiving facility: Taunton
Date of shipment: 04-10-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 10 2008 By

Load#: 2

Signature of transporter: Wy Brown
Date received:
Time received: 12:01
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.29

Receiving facility: Taunton
Date of shipment: 04-10-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 10 2008 By

Load#: 3

Signature of transporter: Wy Brown
Date received:
Time received: 3:37
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.99

Receiving facility: Taunton
Date of shipment: 04-10-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 10 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

Tecmron Landfill
140 East Britannia St
Taunton, MA, 02780
PH: 508-821-4444

Original
Ticket# 803892

Customer Name GLOBALRS Global Remediation Se Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Ticket Date 04/10/2008 Vehicle# R11 Volume
Payment Type Credit Account Container
Manual Ticket# Driver
Hauling Ticket# Check#
Route Billing # 00000117
Scale Master Code Gen EPA ID
Manifest #
Destination Grid
PO#
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator			
In	04/10/2008 08:22:25	Scale1	swashbur	Inbound	Gross	83880 lb
Out	04/10/2008 08:22:29		swashbur		Tare	38680 lb
					Net	45200 lb
					Tons	22.60

Comments

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	22.60	Tons				RI
2 PSENV-Environmental	100		%				RI

Total Tax
Total Ticket

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803935

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 12:01:50	Scale1	swashbur		Gross	81260 lb
Out	04/10/2008 12:01:50		swashbur		Tare	38680 lb
					Net	42580 lb
					Tons	21.29

Comments

WASTE MANAGEMENT

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	21.29	Tons				RI
2 RSENV-Environmental	100		X				RI

Total Tax
Total Ticket

WTC

Driver's Signature

WASTE MANAGEMENT

Taunton Landfill
340 [illegible]t Britannia St
Taunt[illegible], MA, 02780
Ph: 508-821-4444

Original
Ticket# 803986

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 15:37:38	Scale1	swashbur		Gross	82660 lb
Out	04/10/2008 15:37:38		swashbur		Tare	38680 lb
					Net	43980 lb
					Tons	21.99

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	21.99	Tons				RI
2 P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

403WM

WTC

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

100010 MA

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

R8

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: J. Mahi

Date received: 4/10/08 Time received: 0700

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 22.65

Receiving facility: Taunton

Date of shipment: Time of shipment: 8:17 a.m.

Trailer registration

RECEIVED APR 10 2008 By

Load#: 2

Signature of transporter: J. Mahi

Date received: 4/10/08 Time received: 11:55

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 23.21

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration

RECEIVED APR 10 2008 By

Load#: 3

Signature of transporter: J. Mahi

Date received: 4/10/08 Time received: 3:00

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 27.23

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration

RECEIVED APR 10 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taun[illegible] Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803890

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator			
In	04/10/2008 08:17:34	Scale1	swashbur	Inbound	Gross	81960 lb
Out	04/10/2008 08:17:34		swashbur		Tare	36660 lb
					Net	45300 lb
					Tons	22.65

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons 100		22.65	Tons				RI
2 P3ENV-Environmenta 100			%				RI

Total Tax
Total Ticket

Driver's Signature

WTC

400WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803933

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 11:55:36	Scale1	swashbur		Gross	83080 lb
Out	04/10/2008 11:55:36		swashbur		Tare	36660 lb
					Net	46420 lb
					Tons	23.21

Comments

WASTE MANAGEMENT

Product	LD#	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100		23.21	Tons				RI
2 P3ENV-Environmental 100			%				RI

Total Tax
Total Ticket

Driver's Signature

1 STC (Stee)

WASTE MANAGEMENT

Taunton Landfill
340 West Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803977

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 14:59:53	Scale1	swashbur		Gross	91120 lb
Out	04/10/2008 14:59:53		swashbur		Tare	36660 lb
					Net	54460 lb
					Tons	27.23

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil REG-Tons	100	27.23	Tons				RI
2 P36NY-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WTC

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

SULLY
N/A 938
Tracking Number

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: [signature]
Date received: 4-10-08
Time received:
Truck/Tractor registration: 23030 MASS
Load size (cubic yards/tons): 22 YD 22.40

RECEIVED APR 10 2008
Receiving facility: Taunton
Date of shipment:
Time of shipment:
By 39539 MASS
Trailer registration:

Load#: 2

Signature of transporter: [signature]
Date received: 4-10-08
Time received: 11:57
Truck/Tractor registration: 23030 MASS
Load size (cubic yards/tons): 22 YD 23.26

RECEIVED APR 10 2008
Receiving facility: Taunton
Date of shipment:
Time of shipment:
By 39539 MASS
Trailer registration:

Load#: 3

Signature of transporter: [signature]
Date received: 4-10-08
Time received: 5:33
Truck/Tractor registration: 23030 MASS
Load size (cubic yards/tons): 22 YD 22.20

RECEIVED APR 10 2008
Receiving facility: Taunton
Date of shipment:
Time of shipment:
By 39539 MASS
Trailer registration:

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taunton Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
PH: 508-821-4444

Original
Ticket# 803891

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 08:21:18	Scale1	swashbur		Gross	83020 lb
Out	04/10/2008 08:37:12	Scale1	swashbur		Tare	38220 lb
					Net	44800 lb
					Tons	22.40

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	22.40	Tons				RI
2 P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WTC

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 803934

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 11:57:57	Scale1	swashbur		Gross	84740 lb
Out	04/10/2008 11:57:57		swashbur		Tare	38220 lb
					Net	46520 lb
					Tons	23.26

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	23.26	Tons				RI
8 P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WTC

403WM

Taunton Landfill
340 [illegible] Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 003985

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/10/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# BULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/10/2008 15:33:57	Scale1	swashbur		Gross	82620 lb
Out	04/10/2008 15:33:57		swashbur		Tare	38220 lb
					Net	44400 lb
					Tons	22.20

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	22.20	Tons				RI
2 P3ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WTC

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: W Brown
Date received:
Time received: 8:15
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 20.78

Receiving facility: Taunton
Date of shipment: 04-11-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 11 2008 By

Load#: 2

Signature of transporter: W Brown
Date received:
Time received: 12:01
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 22.53

Receiving facility: Taunton
Date of shipment: 04-11-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 11 2008 By

Load#: 3

Signature of transporter: W Brown
Date received:
Time received: 3:33
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 20.90

Receiving facility: Taunton
Date of shipment: 04-11-08
Time of shipment:
Trailer registration: MA 76025

RECEIVED APR 11 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taun[illegible] Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804011

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11
Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 08:15:08	Scale1	swashbur		Gross	80240 lb
Out	04/11/2008 08:15:08		swashbur		Tare	38680 lb
					Net	41560 lb
					Tons	20.78

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	20.78	Tons				RI
2 PCBNY-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

WCT

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804070

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 12:01:23	Scale1	swashbur		Gross	83740 lb
Out	04/11/2008 12:01:23		swashbur		Tare	38680 lb
					Net	45060 lb
					Tons	22.53

Comments

WASTE MANAGEMENT

Product	Lbs	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100		22.53	Tons				RI
0 P3ENV-Environmental 100			%				RI

Total Tax
Total Ticket

WC

Driver's Signature

403WM

WASTE MANAGEMENT

Taunt... Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804122

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 15:33:16	Scale1	swashbur		Gross	80480 lb
Out	04/11/2008 15:33:16		swashbur		Tare	38680 lb
					Net	41800 lb
					Tons	20.90

Comments

WASTE MANAGEMENT

Product		LOM	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons	100	20.90	Tons				RI
2	PSENV-Environmental	100		%				RI

Total Tax
Total Ticket

WC

Driver's Signature

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

100010 MA

N/A
Tracking Number

R8

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: [signature]

Date received: 4/11/08 Time received: 0600

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 23.73

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration:

RECEIVED APR 11 2008 By [signature]

Load#: 2

Signature of transporter: [signature]

Date received: 4/11/08 Time received: 11:58

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 22.30

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration:

RECEIVED APR 11 2008 By [signature]

Load#: 3

Signature of transporter: [signature]

Date received: 4/11/08 Time received: 3:29

Truck/Tractor registration: 67514

Load size (cubic yards/tons): 24.43

Receiving facility:

Date of shipment: Time of shipment:

Trailer registration:

RECEIVED APR 11 2008 By [signature]

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):

Total carried forward (cubic yards/tons):

Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taunt Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804013

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
RO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 08:18:44	Scale1	swashbur		Gross	84120 lb
Out	04/11/2008 08:18:44		swashbur		Tare	36660 lb
					Net	47460 lb
					Tons	23.73

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100		23.73	Tons				RI
2 PSENV-Environments 100			%				RI

Total Tax
Total Ticket

WCT

Driver's Signature

40WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804069

Customer Name GLOBACRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 11:58:44	Scale1	swashbur		Gross	81260 lb
Out	04/11/2008 11:58:44		swashbur		Tare	36660 lb
					Net	44600 lb
					Tons	22.30

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	22.30	Tons				RI
8 P3ENV-Environmenta	100		*				RI

Total Tax
Total Ticket

WC

Driver's Signature

WASTE MANAGEMENT

Taunt... Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804121

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NB-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# globe r8 Volume
Container
Driver JIM
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 15:29:42	Scale1	swashbur		Gross	85520 lb
Out	04/11/2008 15:29:42		swashbur		Tare	36660 lb
					Net	48860 lb
					Tons	24.43

Comments

WASTE MANAGEMENT

	Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons	100	24.43	Tons				RI
2	T-GRW-Environmenta	100		*				RI

Total Tax
Total Ticket

WC

Driver's Signature

938
Schlys

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A 100010 MA
Tracking Number

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1
Signature of transporter
4-11-08
Date received
Time received
23030 MA55
Truck/Tractor registration
22 YD 23.45
Load size (cubic yards/tons)

Taunton
Receiving facility
RECEIVED APR 11 2008
Date of shipment
Time of shipment
39537 MA55
Trailer registration

Load#: 2
Signature of transporter
4-11-08 12:04
Date received
Time received
23036 MA55
Truck/Tractor registration
22 YD 23.22
Load size (cubic yards/tons)

Taunton
Receiving facility
RECEIVED APR 11 2008
Date of shipment
Time of shipment
39537 MA55
Trailer registration

Load#: 3
Signature of transporter
4-11-08 3:36
Date received
Time received
23030 MA55
Truck/Tractor registration
27.65
Load size (cubic yards/tons)

Taunton
Receiving facility
RECEIVED APR 11 2008
Date of shipment
Time of shipment
39539 MA55
Trailer registration
By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taun[illegible] Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804014

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver BORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 08:20:35	Scale1	swashbur		Gross	85120 lb
Out	04/11/2008 08:20:35		swashbur		Tare	38220 lb
					Net	46900 lb
					Tons	23.45

Comments

WASTE MANAGEMENT

	Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons 100		23.45	Tons				RI
2	PSEMV-Environmenta 100			%				RI

Total Tax
Total Ticket

WCT

Driver's Signature

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804071

Customer Name GLOBACRS Global Remediation Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 12:04:09	Scale1	swashbur		Gross	84660 lb
Out	04/11/2008 12:04:09		swashbur		Tare	38220 lb
					Net	46440 lb
					Tons	23.22

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC Tons	100	23.22	Tons				RI
2 PSENV-Environmental	100		%				RI

Total Tax
Total Ticket
wx

Driver's Signature

WASTE MANAGEMENT

Taun[illegible] Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 804123

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/11/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL REC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/11/2008 15:36:22	Scale1	swashbur		Gross	93520 lb
Out	04/11/2008 15:36:22		swashbur		Tare	38220 lb
					Net	53300 lb
					Tons	27.65

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil REC-Tons	100	27.65	Tons				RI
2 P2ENV-Environmenta	100		%				RI

Total Tax
Total Ticket

WC

Driver's Signature

403WM

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

100010 MA

N/A
Tracking Number

R11

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: Wy Brown
Date received: 8:15
Time received
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 20.33

Receiving facility: Taunton
Date of shipment: 04-14-08
Time of shipment
Trailer registration: MA 76025
By

RECEIVED APR 14 2008

Load#: 2

Signature of transporter: Wy Brown
Date received: 11:53
Time received
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 20.40

Receiving facility: Taunton
Date of shipment: 04-14-08
Time of shipment
Trailer registration: MA 76025
By

RECEIVED APR 14 2008

Load#: 3

Signature of transporter: Wy Brown
Date received: 4:02
Time received
Truck/Tractor registration: MA 68776
Load size (cubic yards/tons): 21.03

Receiving facility
Date of shipment: 04-14-08
Time of shipment
Trailer registration: MA 76025
By

RECEIVED APR 14 2008

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taun[illegible] Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804201

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11
Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 08:15:17	Scale1	swashbur		Gross	79340 lb
Out	04/14/2008 08:15:17		swashbur		Tare	38680 lb
					Net	40660 lb
					Tons	20.33

Comments

WASTE MANAGEMENT

Product	LDx	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons 100		20.33	Tons				RI
2 RSENV-Environmental 100			x				RI

Total Tax
Total Ticket

WC

Driver's Signature

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804318

Customer Name GLOBALRG Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 16:05:22	Scale1	swashbur		Gross	80740 lb
Out	04/14/2008 16:05:22		swashbur		Tare	38680 lb
					Net	42060 lb
					Tons	21.03

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont SOIL RGC-Tons	100	21.03	Tons				RI
2 PSEN-Environmenta	100		X				RI

Total Tax
Total Ticket
WC

Driver's Signature

WASTE MANAGEMENT

Taun[illegible] Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804256

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 11:53:09	Scale1	swashbur		Gross	79480 lb
Out	04/14/2008 11:58:09		swashbur		Tare	38680 lb
					Net	40800 lb
					Tons	20.40

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG Tons	100	20.40	Tons				RI
2 PGENV-Environmenta	100		%				RI

Total Tax
Total Ticket

Driver's Signature

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

WM Approval# 100010MA

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A
Tracking Number

Norfolk T9

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter: NORFOLK SERVICES
Date received: 4-14-08
Time received: ~~8:21~~ 8:18
Truck/Tractor registration: 68739
Load size (cubic yards/tons): 25.78 [redacted]

Receiving facility: Taunton
Date of shipment:
Time of shipment:
Trailer registration: SM76652
By:

RECEIVED APR 14 2008

Load#: 2

Signature of transporter:
Date received: 4-14-08
Time received: 11:55
Truck/Tractor registration: 68739
Load size (cubic yards/tons): 20.89

Receiving facility: Taunton
Date of shipment:
Time of shipment:
Trailer registration: SM76652
By:

RECEIVED APR 14 2008

Load#: 3

Signature of transporter:
Date received: 4-14-08
Time received: 3:11
Truck/Tractor registration: 68739
Load size (cubic yards/tons): 23.97

Receiving facility: Taunton
Date of shipment:
Time of shipment:
Trailer registration: SM76652
By:

RECEIVED APR 14 2008

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Taun[illegible] Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804257

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# NORFOLK T9 Volume
Container
Driver DENNIS
Check#
Billing # 0000117
Gen ERA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 11:55:46	Scale1	swashbur		Gross	76540 lb
Out	04/14/2008 11:55:46		swashbur		Tare	34760 lb
					Net	41780 lb
					Tons	20.89

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	20.89	Tons				RI
2 RIENV-Environmental	100		X				RI

Total Tax
Total Ticket

WC

Driver's Signature

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804202

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# NORFOLK T9 Volume
Container
Driver DENNIS
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator			
In	04/14/2008 08:18:25	Scale1	swashbur	Inbound	Gross	86320 lb
Out	04/14/2008 08:31:42	Scale1	swashbur		Tare	34760 lb
					Net	51560 lb
					Tons	25.78

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC Tons	100	25.78	Tons				RI
2 PO&W Environmental	100		%				RI

Total Tax
Total Ticket

WC

Driver's Signature

403WM

WASTE MANAGEMENT

Taun[illegible] Landfill
340 [illegible]st Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804309

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# NORFOLK T9 Volume
Container
Driver DENNIS
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 15:11:40	Scale1	swashbur		Gross	82700 lb
Out	04/14/2008 15:11:40		swashbur		Tare	34760 lb
					Net	47940 lb
					Tons	23.97

Comments

WASTE MANAGEMENT

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	23.97	Tons				RI
2 PSENV-Environmenta	100		%				RI

Total Tax
Total Ticket

WC

Driver's Signature

Profile No. 100010 MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

Sullys

N/A 938
Tracking Number

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 4-14-08

Time received: 8:21

Truck/Tractor registration: 23080 MA 65

Load size (cubic yards/tons): 23.68

Receiving facility: Taunton

Date of shipment

Time of shipment

Trailer registration: 39589 MA 55

RECEIVED APR 14 2008 By

Load#: 2

Signature of transporter

Date received: 4-14-08

Time received: 11:58

Truck/Tractor registration: 23030 MA 65

Load size (cubic yards/tons): 23.15

Receiving facility: Taunton

Date of shipment

Time of shipment

Trailer registration: 39589 MA

RECEIVED APR 14 2008 By

Load#: 3

Signature of transporter

Date received: 4-14-08

Time received: 4:00

Truck/Tractor registration: 23080 MA 65

Load size (cubic yards/tons): 23.00

Receiving facility: Taunton

Date of shipment

Time of shipment

Trailer registration: 39589 MA

RECEIVED APR 14 2008 By

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

Taunton Landfill
340 West Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 804203

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator			
In	04/14/2008 08:21:30	Scale1	swashbur	Inbound	Gross	85580 lb
Out	04/14/2008 08:21:30		swashbur		Tare	38220 lb
					Net	47360 lb
					Tons	23.68

Comments

Product	LB%	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons	100	23.68	Tons				RI
2 P2EPU-Environmental	100		%				RI

Total Tax
Total Ticket

WC

Driver's Signature

403WM

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804259

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100010MA (CONT SOIL RBC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 11:58:25	Scale1	swashbur		Gross	84520 lb
Out	04/14/2008 11:58:25		swashbur		Tare	38220 lb
					Net	46300 lb
					Tons	23.15

Comments

WASTE MANAGEMENT

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCC-Tons	100	23.15	Tons				RI
2 PSSTR Soil/Concrete	100		X				RI

Total Tax
Total Ticket
WC

Driver's Signature

100WM

WASTE MANAGEMENT

Taunton Landfill
340 [illegible]t Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Reprint
Ticket# 804317

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/14/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest #
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# SULLY938 Volume
Container
Driver GORDEN
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/14/2008 16:02:26	Scale1	swashbur		Gross	84220 lb
Out	04/14/2008 16:02:26		swashbur		Tare	38220 lb
					Net	46000 lb
					Tons	23.00

Comments

WASTE MANAGEMENT

Product		LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Cont Soil RGC-Tons	100	23.00	Tons				RI
8	PSERV-Environmenta	100		X				RI

Total Tax
Total Ticket

WC

Driver's Signature

403WM

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804338

Customer Name GLOBALRS Global Remediation Se
Ticket Date 04/15/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTONEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound		
In	04/15/2008 08:03:40	Scale1	swashbur		Gross	81820 lb
Out	04/15/2008 08:03:40		swashbur		Tare	38680 lb
					Net	43140 lb
					Tons	21.57

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RGC-Tons 100		21.57	Tons				RI
2 ?SERV Environmental 100			*				RI

Total Tax
Total Ticket

WC

Driver's Signature

Taunton Landfill
340 [illegible] Britannia St
Taunt[illegible], MA, 02780
Ph: 508-821-4444

Original
Ticket# 804395

Customer Name GLOBALRB Global Remediaton Se
Ticket Date 04/15/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# RI1 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator			
In	04/15/2008 11:23:26	Scale1	swashbur	Inbound	Gross	81960 lb
Out	04/15/2008 11:23:26		swashbur		Tare	38680 lb
					Net	43280 lb
					Tons	21.64

Comments

Product	LDX	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons	100	21.64	Tons				RI
2 PCENV-Environmenta	100		*				RI

Total Tax
Total Ticket

Driver's Signature

WC

WASTE MANAGEMENT

Taunton Landfill
340 East Britannia St
Taunton, MA, 02780
Ph: 508-821-4444

Original
Ticket# 804460

Customer Name GLOBALRS Global Remediaton Se
Ticket Date 04/15/2008
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest *
Destination
PO
Profile 100010MA (CONT SOIL RGC (EXCLUDED FROM DAILY TONNAGE))
Generator NE-NAVALSTANEWPORT NAVAL STATION - NEWPORT

Carrier GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle# R11 Volume
Container
Driver BILLY
Check#
Billing # 0000117
Gen EPA ID

Grid

	Time	Scale	Operator	Inbound		
In	04/15/2008 14:52:13	Scale1	swashbur		Gross	85060 lb
Out	04/15/2008 14:52:13		swashbur		Tare	38680 lb
					Net	46380 lb
					Tons	23.19

Comments

WASTE MANAGEMENT

Product	Qty	UOM	Rate	Tax	Amount	Origin
1 Cont Soil RCG-Tons 100	23.19	Tons				RI
2 RIENV-Environmental 100		%				RI

Total Tax
Total Ticket

WSC

Driver's Signature

WM Approval# 100010MA

938

N/A Sutfys

Tracking Number

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

J. Load Information

Note:
Make additional copies of this page as necessary.

Load#: 1

Signature of transporter

Date received: 5-5-08 Time received: 9:05:11

Truck/Tractor registration: 23030 MA 88

Load size (cubic yards/tons): 2540 25.05

RECEIVED MAY 05 2008

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration: 89539 MA 55

Load#: 2

Signature of transporter

Date received: 5-5-08 Time received: 12:56

Truck/Tractor registration: 23030 MA 55

Load size (cubic yards/tons): 2540 38.21

RECEIVED MAY 05 2008

Receiving facility: Taunton

Date of shipment: Time of shipment:

Trailer registration: 89539 MA 55

Load#: 3

Signature of transporter

Date received: 5-5-08 Time received:

Truck/Tractor registration: 23030 MA 55

Load size (cubic yards/tons): 2540

RECEIVED MAY 05 2008

Receiving facility:

Date of shipment: Time of shipment:

Trailer registration: 37587 MA 55

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons)

Total carried forward (cubic yards/tons)

Total carried forward and this page (cubic yards/tons)

Page 1 of 1

WASTE MANAGEMENT

Original
Ticket# [illegible]

Customer Name: [illegible]
Ticket Date: [illegible]
Payment Type: Credit Account
Material Tracked:
Hauling Tracked:
Route:
Scale Weight Code:
Bill Type:
Destination:
PO:
Profile: [illegible]
Comments: [illegible]

Scale: [illegible]
Operator: [illegible]
Gross: 80320 lb
Tare: 30320 lb
Net: 50000 lb
Tons: 25.00

Products

	Item	Qty	Price	Tax	Amount	Origin
1	[illegible]	[illegible]	[illegible]			[illegible]
2	[illegible]	[illegible]	[illegible]			[illegible]

Total Tax
Total Ticket

Driver Signature

[illegible]

403WM

WASTE MANAGEMENT

Customer Name or Mailing Address: Remediation Services

Volume

Comments

Quantity	Unit	Price	Tax	Amount	Description
					RI
					RI

Total Tax

Total Ticket

Driver's Signature

WM Approval# 100010MA

Massachusetts Department of Environmental Protection
Bureau of Waste Prevention

Material Shipping Record & Log

For the shipment of contaminated soil, urban fill, and dredge materials not subject to management under section 310 CMR 40.0035 nor manifesting under 310 CMR 30.000

N/A T-9
Tracking Number

J. Load Information

Note: Make additional copies of this page as necessary.

Load#: 01

Signature of transporter: [signature]

Date received: Time received: 7:03

Truck/Tractor registration: MA 68739

Load size (cubic yards/tons): 23.29

RECEIVED MAY 05 2008

Receiving facility: Taunton

Date of shipment: Time of shipment:

By Trailer registration: SM 76652

Load#: 02

Signature of transporter: [signature]

Date received: Time received: 11:09

Truck/Tractor registration: MA 68739

Load size (cubic yards/tons): 22.78

RECEIVED MAY 05 2008

Receiving facility: Taunton

Date of shipment: Time of shipment:

By Trailer registration: SM 76652

Load#: 03

Signature of transporter: [signature]

Date received: Time received:

Truck/Tractor registration: MA 68739

Load size (cubic yards/tons):

RECEIVED MAY 05 2008

Receiving facility: Taunton

Date of shipment: Time of shipment:

By Trailer registration: SM 76652

K. Log Sheet Volume Information

Total volume this page (cubic yards/tons):

Total carried forward (cubic yards/tons):

Total carried forward and this page (cubic yards/tons):

Page 1 of 1

WASTE MANAGEMENT

Taconic Landfill
349 Britannia Rd
Raymond, NH 03780
Ph: 603-621-4444

Original
Ticket# 806625

Customer: NAVY/GLOBAL Global Remediation Se
Ticket Date: 05/05/2009
Payment Type: Credit Account
Manual Ticket:
Hauling Ticket:
Route:
State Waste Code:
Non Haz:
Destination:
PO:
Carrier: GLOBAL GLOBAL REMEDIATION SERVICES
Vehicle: NORFOLK TS Volume:
Container:
Driver: DENNIS
Trailer:
Billing #: 0000017
Certified:
Bill:

Section: 1000 DMA (DEBRIS, BOILERS (REMOVED FROM DAILY TONNAGE))
Generator: 1 NEWPORT NAVAL STATION - NEWPORT

	Time	Scale	Operator	Inbound	Gross	81340 lb
In	05/05/2009 07:05:47	Scale1	swesthur		Tare	34760 lb
Out	05/05/2009 07:06:11		swesthur		Net	46580 lb
					Tons	23.29

Comments: TARE NET SCALE

Product	CO	Qty	UOM	Rate	Tax	Amount	Origin
1 Const Const Rub/Tarr 1000		23.29	Tons				R1
2 Hazmat Environmental 100							R1

Total Tax
Total Ticket

Driver Signature

4cdWM

WASTE MANAGEMENT

Original
Ticket# [illegible]

GLOBAL [illegible] RENEWABLE SERVICES

Ticket Date [illegible]
Payment Type [illegible]
Hauler [illegible]
Driver [illegible]
Truck [illegible]
Route [illegible]
Service Area [illegible]
Customer [illegible]
Site [illegible]
Product [illegible]
Service [illegible]

Volume

Driver [illegible]
Truck [illegible]
Route # [illegible]
Site ID [illegible]

Time [illegible]
In [illegible]
Out [illegible]

Status [illegible]
Scale [illegible]
Scale [illegible]

Inbound Gross [illegible]
Tare [illegible]
Net [illegible]
Tons [illegible]

Comments:

Product	Qty	Price	Unit	Rate	Tax	Amount	Origin
1	Fees Sales Tax [illegible]	[illegible]	Tons				US
2	[illegible]						US

Total Tax
Total Ticket

Driver's Signature

[illegible]WM

APPENDIX G

IMPORTED CRUSHED STONE WEIGHT SLIPS

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Import, placement of stone in excavations below the water table – tons	**TONAGE**
1/30/2008	34.91
1/31/2008	34.26
1/31/2008	35.02
2/1/2008	35.19
2/11/2008	34.34
2/19/2008	35.24
2/19/2008	34.83
2/19/2008	34.68
2/19/2008	35.16
TOTAL TONAGE:	**313.63**

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 222-2870
FAX (508) 222-3096

ASG
ATTLEBORO SAND & GRAVEL CORP.

CRUSHED STONE
SAND AND GRAVEL
SCREENED LOAM
CRUSHED CONCRETE
RECYCLING SERVICES

AGGREGATE GRADATION

DATE: 1/30/08
TYPE OF AGG. 2" CRUSHED STONE (fine gradation)
PROJECT: Q/C
SOURCE: AS&G QUARRY
SAMPLE NO: SUBMITTAL
ORIGNAL WEIGHT OF SAMPLE 44.2
DRY WEIGHT OF SAMPLE 43.1
WEIGHT LOST (H2O %) 2.5 1.1

SIEVE SIZE	WEIGHT RETAINED	% RETAINED	% PASSING	SPECIFICATIONS
2"	0	0.0	100.0	100
1 1/2"	0.1	0.2	99.8	85 - 100
3/4"	16.7	38.7	61.3	45 - 75
#4	28.3	65.7	34.3	10 - 45
#200	42.2	97.9	2.1	0 - 5

REMARKS: MEASURED IN POUNDS

PERFORMED BY: D. BOONE

CORPORATE OFFICE
3 BELCHER STREET
PLAINVILLE, MA 02762
(508) 222-2870
FAX (508) 222-3096

ASG
ATTLEBORO SAND & GRAVEL CORP.

CRUSHED STONE
SAND AND GRAVEL
SCREENED LOAM
CRUSHED CONCRETE
RECYCLING SERVICES

AGGREGATE GRADATION

DATE: 5/02/07
TYPE OF AGG. 1 1/4" WASHED CRUSHED STONE
PROJECT: Q/C
SOURCE: ATTLEBORO SAND & GRAVEL
SAMPLE NO: 1
ORIGNAL WEIGHT OF SAMPLE 22.9
DRY WEIGHT OF SAMPLE 22.7
WEIGHT LOST (H2O %) 0.9 0.2

SIEVE SIZE	WEIGHT RETAINED	% RETAINED	% PASSING	SPECIFICATIONS
1 1/2"	0	0.0	100.0	100
1 1/4"	0	0.0	100.0	85 - 100
1"	3.7	16.3	83.7	
3/4"	16.3	71.8	28.2	10 - 40
1/2"	22.5	99.1	0.9	0 - 8

REMARKS: MEASURED IN POUNDS

PERFORMED BY: D. BOONE

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15314
1/30/2008 11:19:02AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	34.91 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	102300 *	51.15 *	46.40 *
Tare	32480	16.24	14.73
Net	69820	34.91	31.67

	Today	Order
Load	1	1
Qty	34.91	34.91

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15340
1/31/2008 7:39:03AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	34.26 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	100920 *	50.46 *	45.78 *
Tare	32400	16.20	14.70
Net	68520	34.26	31.08

	Today	Order
Load	1	2
Qty	34.26	69.17

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15355
1/31/2008 11:01:07AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	35.02 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	102440 *	51.22 *	46.47 *
Tare	32400	16.20	14.70
Net	70040	35.02	31.77

	Today	Order
Load	2	3
Qty	69.28	104.19

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15375
2/1/2008 7:20:32AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	35.19 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	102740 *	51.37 *	46.60 *
Tare	32360	16.18	14.68
Net	70380	35.19	31.92

	Today	Order
Load	1	4
Qty	35.19	139.38

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15528
2/11/2008 7:23:58AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	112S	1 1/2" WASHED CRSHD STO
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	34.34 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	101000 *	50.50 *	45.81 *
Tare	32320	16.16	14.66
Net	68680	34.34	31.15

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15619
2/19/2008 7:22:57AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	053	
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	35.24 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	102440 *	51.22 *	46.47 *
Tare	31960	15.98	14.50
Net	70480	35.24	31.97

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15617
2/19/2008 7:19:34AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	34.83 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	101960 *	50.98 *	46.25 *
Tare	32300	16.15	14.65
Net	69660	34.83	31.60

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15628
2/19/2008 10:19:07AM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	055	
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	34.68 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	101660 *	50.83 *	46.11 *
Tare	32300	16.15	14.65
Net	69360	34.68	31.46

ATTLEBORO SAND & GRAVEL
ATTLEBORO QUARRY
ATTLEBORO, MA
508.222.2870

Ticket 15630
2/19/2008 12:22:32PM
Location: 207 SAND & GRAVEL

Carrier	999999	LORUSSO CORPORATION
Vehicle	052	TRAILER
Customer	402464	GLOBAL CONTRACTING S
Order	8769	NEWPORT, RI. NAVAL BASE
Product	2CS	2" CRUSHED STONE
P.O.		
Deliver	NEWPORT, RI.	
Weighmaster	ATTLEBORO SCALE	
Received		

	Qty	Rate	Amount
Product	35.16 Ton		
Freight			
Tax	MA		
Total			

	Pounds	Tons	Metric
Gross	102620 *	51.31 *	46.55 *
Tare	32300	16.15	14.65
Net	70320	35.16	31.90

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Import of Clean Fill and Stockpile	TONAGE
1/31/2008	24.78
1/31/2008	21.55
1/31/2008	21.53
1/31/2008	23.46
1/31/2008	21.14
1/31/2008	23.87
1/31/2008	23.88
1/31/2008	19.47
1/31/2008	22.5
1/31/2008	24.06
1/31/2008	20.63
1/31/2008	22.9
1/31/2008	22.72
1/31/2008	22.36
1/31/2008	22.89
1/31/2008	24.18
1/31/2008	23.51
1/31/2008	20.88
1/31/2008	23.94
2/1/2008	20.2
2/1/2008	22.33
2/1/2008	23.85
2/1/2008	19.15
2/1/2008	24.05
2/1/2008	21.19
2/1/2008	21.45
2/1/2008	25.24
2/1/2008	23.2
2/1/2008	21.76
2/7/2008	24.61
2/7/2008	23.72

APPENDIX H

IMPORTED CLEAN FILL WEIGH SLIPS

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Import of Clean Fill and Stockpile	**TONAGE**
1/31/2008	24.78
1/31/2008	21.55
1/31/2008	21.53
1/31/2008	23.46
1/31/2008	21.14
1/31/2008	23.87
1/31/2008	23.88
1/31/2008	19.47
1/31/2008	22.5
1/31/2008	24.06
1/31/2008	20.63
1/31/2008	22.9
1/31/2008	22.72
1/31/2008	22.36
1/31/2008	22.89
1/31/2008	24.18
1/31/2008	23.51
1/31/2008	20.88
1/31/2008	23.94
2/1/2008	20.2
2/1/2008	22.33
2/1/2008	23.85
2/1/2008	19.15
2/1/2008	24.05
2/1/2008	21.19
2/1/2008	21.45
2/1/2008	25.24
2/1/2008	23.2
2/1/2008	21.76
2/7/2008	24.61
2/7/2008	23.72

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One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

Import of Clean Fill and Stockpile - continuing	TONAGE
2/7/2008	24.31
2/7/2008	24.97
2/20/2008	22.77
2/20/2008	23.44
2/20/2008	25.58
2/20/2008	24.21
2/20/2008	11.36
2/20/2008	24.66
2/20/2008	24.31
2/25/2008	22.51
2/25/2008	12.62
2/25/2008	11.74
2/25/2008	21.63
2/25/2008	12.5
2/25/2008	20.58
2/25/2008	12.66
2/25/2008	20.3
2/25/2008	20.01
2/25/2008	22.06
2/25/2008	10.22
3/24/2008	24.14
3/24/2008	23.48
3/24/2008	25.25
3/24/2008	25.36
3/24/2008	24.11
4/24/2008	22.09
5/5/2008	23.75
TOTAL TONAGE:	**1,261.62**

Printed: 1/31/2008 10:00:44 AM

Store: 1

Sales Receipt# 55822

1/31/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.78			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55822

Store: 1

Sales Receipt# 55819
1/31/2008
Cashier: tbeebe
Page 1

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GLOBAL REMEDATION
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					21.55			
REFERENCE	WAR COLLEGE JOB					1			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55819

Printed: 1/31/2008 12:04:40 PM

Store: 1

Sales Receipt # 55830

1/31/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					21.53			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55830

Store: 1

Sales Receipt # 55854
1/31/2008
Cashier: proderick
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					23.46			
REFERENCE	TK 29 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55854

Store: 1

Sales Receipt # 55850
1/31/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					21.14			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55850

Store: 1

Sales Receipt # 55851
1/31/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					23.87			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55851

Printed: 1/31/2008 10:37:20 AM

Store: 1

Sales Receipt # 55825

1/31/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					23.88			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55825

Store: 1

Sales Receipt # 55831
1/31/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					19.47			
REFERENCE	TK24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55831

Printed: 1/31/2008 12:00:00 PM

Store: 1

Sales Receipt # 55829

1/31/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					22.5			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55829

Store: 1

Sales Receipt # 55835
1/31/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.06			
REFERENCE	TK 29 WAR COLLEGE					1			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55835

Store: 1

Sales Receipt# 55840
1/31/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					20.63			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55840

Store: 1

Sales Receipt# 55841
1/31/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					22.9			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55841

Printed: 1/31/2008 11:55:10 AM

Store: 1

Sales Receipt# 55828

1/31/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					22.72			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55828

Store: 1

Sales Receipt# 55824
1/31/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					22.36			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55824

Printed: 1/31/2008 9:30:56 AM

Store: 1

Sales Receipt # 55818

1/31/2008

Cashier: proderick

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					22.89			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55818

Store: 1

Sales Receipt# 55817

1/31/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.18			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55817

Printed: 1/31/2008 1:28:14 AM

Store: 1

Sales Receipt# 55812

1/31/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					23.51			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55812

Store: 1

Sales Receipt# 55811
1/31/2008
Cashier: tbeebe
Page 1

J.A.M. Materials

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Bill To: GLOBAL REMEDIATION
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					20.88			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55811

Printed: 1/31/2008 7:22:30 AM

Store: 1

Sales Receipt# 55810

1/31/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					23.94			
REFERENCE	WAR COLLEGE JOB								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55810

Store: 1

Sales Receipt# 55883

2/1/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					20.2			
REFERENCE	TK24 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55883

Store: 1

Sales Receipt# 55882

2/1/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC% TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON				22.33			
REFERENCE	TK29 WAR COLLEGE JOB							

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55882

Store: 1

Sales Receipt# 55871

2/1/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC% TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON				23.85			
REFERENCE	TK29 WAR COLLEGE JOB							

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55871

Store: 1

Sales Receipt# 55872

2/1/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					19.15			
REFERENCE	TK24 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55872

Store: 1

Sales Receipt# 55863

2/1/2008

Cashier: tbeebe

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					24.05			
REFERENCE	TK29 WAR COLLEGE JOB					1			

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55863

Store: 1

Sales Receipt# 55864
2/1/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					21.19			
REFERENCE	TK24 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55864

Store: 1

Sales Receipt# 55875
2/1/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					21.45			
REFERENCE	TK24 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55875

Store: 1

Sales Receipt# 55874
2/1/2008
Cashier: tbeebe
Page 1

J.A.M. Materials

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Fax: (401) 841-8906
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Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					25.24			
REFERENCE	TK29 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55874

Store: 1

Sales Receipt# 55878
2/1/2008
Cashier: tbeebe
Page 1

J.A.M. Materials

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC % TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON				23.2			
REFERENCE	TK29 WAR COLLEGE JOB							

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55878

Store: 1

2/1/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					21.76			
REFERENCE	TK24 WAR COLLEGE JOB								

Signature _____

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55876

Store: 1

2/7/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.61			
REFERENCE	TK 29 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55992

Printed: 2/7/2008 1:02:10 PM

Store: 1

Sales Receipt # 55991

2/7/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					23.72			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55991

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Store: 1

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2/7/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.31			
REFERENCE	TK 29 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55999

Printed: 2/7/2008 2:14:55 PM

Store: 1

Sales Receipt # 55998

2/7/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.97			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

55998

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Store: 1

Sales Receipt # 56148

2/20/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					22.77			
REFERENCE	TK41 BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56148

Store: 1

Sales Receipt # 56144
2/20/2008
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					23.44			
REFERENCE	TK41 BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56144

Store: 1

Sales Receipt # 56157
2/20/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					25.58			
REFERENCE	TK 41 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56157

Printed: 2/20/2008 1:23:25 PM

Store: 1

Sales Receipt # 56152

2/20/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.21			
REFERENCE	JAM TK 41 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56152

Printed: 2/20/2008 8:09:58 AM

Store: 1

Sales Receipt# 56136

2/20/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					11.36			
REFERENCE	TK18 WAR COLLEGE								

From Sales Order # 8464

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56136

Printed: 2/20/2008 2:21:22 PM

Store: 1

Sales Receipt # 56155

2/20/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.66			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56155

Printed: 2/20/2008 10:53:44 AM

Store: 1

Sales Receipt # 56145

2/20/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.31			
REFERENCE	JAM TK 41 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56145

Store: 1

Sales Receipt# 56187
2/25/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC % TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON							
REFERENCE	DEL TO BLDG 144				22.51			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56187

Store: 1

Sales Receipt# 56186
2/25/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					12.62			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56186

Store: 1

Sales Receipt# 56192
2/25/2008
Cashier: tbeebe
Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					11.74			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56192

Printed: 2/25/2008 9:46:55 AM

Store: 1

Sales Receipt # 56191

2/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	DEL TO BLDG 144								
STONE	SPECIAL SEPTIC - TON					21.63			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56191

Store: 1

Sales Receipt # 56197
2/25/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					12.5			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56197

Store: 1

Sales Receipt# 56196

2/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					20.58			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56196

Store: 1

Sales Receipt # 56203

2/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					12.66			
REFERENCE	DEL TI BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56203

Store: 1

Sales Receipt# 56204
2/25/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC%	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					20.3			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56204

Store: 1

Sales Receipt# 56208
2/25/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					20.01			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56208

Store: 1

Sales Receipt# 56200

2/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON								
REFERENCE	DEL TO BLDG 144					22.06			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56200

Store: 1

Sales Receipt# 56210
2/25/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					10.22			
REFERENCE	DEL TO BLDG 144								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56210

Store: 1

Sales Receipt # 56934
3/24/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.14			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56934

Printed: 3/24/2008 11:23:33 AM

Store: 1

Sales Receipt # 56921

3/24/2008

Cashier: proderick

Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					23.48			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56921

Printed: 3/24/2008 8:14:12 AM
Store: 1

Sales Order # 8560
Ordered: 3/24/2008

Associate: tbeebe
Page 1

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1-617-364-0012

Instructions
WAR COLLEGE

DESCRIPTION	DESCRIPTION 2	ATTR	SIZE	ORD	SOLD	DUE	PRICE	EXT PRICE
STONE	SPECIAL SEPTIC - TON			25.25				

WE ACCEPT NO RESPONSIBILITY FOR DAMAGE WHEN DELIVERY IS MADE INSIDE CURBS OR ON PRIVATE PROPERTY

Printed: 3/24/2008 10:05:20 AM

Store: 1

Sales Receipt # 56909

3/24/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					25.36			
REFERENCE	TK 25 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56909

Printed: 3/24/2008 9:21:07 AM

Store: 1

Sales Receipt # 56903

3/24/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON					24.11			
REFERENCE	TK 25 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

56903

Printed: 4/24/2008 10:22:51 AM

Store: 1

Sales Receipt# 59033

4/24/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC-TON					22.09			

From Sales Order # 8907

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59033

Store: 1

Sales Receipt # 60096
5/5/2008
Cashier: proderick
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OFFTA

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
STONE	SPECIAL SEPTIC - TON								
REFERENCE	TK 24					23.75			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

60096

Global Remediation Services, Inc.
One Westinghouse Plaza, Boston, MA. 02137
617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Import, placement of topsoil, grade and seed - tons	**TONAGE**
3/25/2008	20.95
3/25/2008	20.76
3/25/2008	21.1
3/25/2008	20.05
3/25/2008	20.52
3/25/2008	21.41
3/25/2008	20.1
3/24/2008	26.26
4/10/2008	18.45
4/10/2008	21.72
4/10/2008	19.29
4/10/2008	21.1
4/10/2008	21.52
4/11/2008	18.91
4/11/2008	18.52
4/11/2008	18.4
4/14/2008	18.89
4/14/2008	20.36
4/14/2008	20.42
4/14/2008	19.83
4/14/2008	18.67
4/14/2008	17.24
4/14/2008	19.4
4/15/2008	20.03
4/15/2008	20.23
4/15/2008	20.33
4/15/2008	20.33
4/15/2008	20.05
4/15/2008	21.29

APPENDIX I

IMPORTED CLEAN TOPSOIL WEIGH SLIPS

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617-364-0012
fax 617-361-5088

NAVAL STATION NEWPORT

OFFTA SITE

Import, placement of topsoil, grade and seed - tons	**TONAGE**
3/25/2008	20.95
3/25/2008	20.76
3/25/2008	21.1
3/25/2008	20.05
3/25/2008	20.52
3/25/2008	21.41
3/25/2008	20.1
3/24/2008	26.26
4/10/2008	18.45
4/10/2008	21.72
4/10/2008	19.29
4/10/2008	21.1
4/10/2008	21.52
4/11/2008	18.91
4/11/2008	18.52
4/11/2008	18.4
4/14/2008	18.89
4/14/2008	20.36
4/14/2008	20.42
4/14/2008	19.83
4/14/2008	18.67
4/14/2008	17.24
4/14/2008	19.4
4/15/2008	20.03
4/15/2008	20.23
4/15/2008	20.33
4/15/2008	20.33
4/15/2008	20.05
4/15/2008	21.29

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fax 617-361-5088

Import, placement of topsoil, grade and seed - tons – Continuing	**TONAGE**
4/24/2008	32.11
4/24/2008	32.44
4/24/2008	21.38
4/24/2008	11.37
4/242008	20.2
4/24/2008	20.16
4/24/2008	10.11
4/25/2008	21.71
4/25/2008	35.37
4/25/2008	19.97
4/25/2008	36.38
4/25/2008	22.72
4/25/2008	33.32
4/25/2008	21.4
4/25/2008	35.16
4/25/2008	34.78
4/25/2008	33.27
TOTAL TONAGE:	**1,027.98**

Printed: 3/25/2008 3:12:29 PM

Store: 1

Sales Receipt# 57034

3/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.95			
REFERENCE	TK24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57034

Printed: 3/25/2008 2:24:17 PM

Store: 1

Sales Receipt # 57028

3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					20.76			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57028

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Store: 1

Sales Receipt # 57023

3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.1			
REFERENCE	TK24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57023

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3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
REFERENCE	TK24 WAR COLLEGE								
LOAM	SPECIAL SCREENED LOAM - TON					20.05			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57020

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Store: 1

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3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					20.52			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57009

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Store: 1

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3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.41	:		
REFERENCE	TK 14 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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56994

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3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.1			
REFERENCE	TK24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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56987

Store. 1

Sales Receipt # 56982

3/25/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					26.26			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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56982

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Store: 1

Sales Receipt # 57752

4/10/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					18.45			
REFERENCE	TK 24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57752

Store: 1

Sales Receipt# 57766

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.72			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57766

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Store: 1

Sales Receipt# 57773

4/10/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					19.29			
REFERENCE	TK24 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57773

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					21.1			–
REFERENCE	JAM 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57741

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Store: 1

Sales Receipt # 57787

4/10/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					21.52			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57787

Store: 1

Sales Receipt# 57853

4/11/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON								
REFERENCE	TK24 WAR COLLEGE					18.91			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57853

Printed: 4/11/2008 8:45:27 AM

Store: 1

Sales Receipt# 57822

4/11/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					18.52			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57822

Store: 1

Sales Receipt# 57831

4/11/2008

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON								
REFERENCE	TK24 WAR COLLEGE					18.4			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57831

Store: 1

Sales Receipt # 57955
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					18.89			
REFERENCE	JAM TK 37 WAR COLLEGE								

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57955

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4/14/2008
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC % TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON				20.36			-

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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57951

Printed: 4/14/2008 10:41:46 AM

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					20.42			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57964

Store: 1

4/14/2008
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					19.83			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57975

Printed: 4/14/2008

Store: 1

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Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					18.67			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57927

Store: 1

Sales Receipt # 57943
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					17.24			
REFERENCE	JAM TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57943

Printed: 4/14/2008 12:51:00 PM

Store: 1

Sales Receipt# 57988

4/14/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					19.4			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

57988

Printed: 4/15/2008 10:26:56 AM

Store: 1

Sales Receipt # 58055

4/15/2008

Cashier: proderick

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					20.03			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58055

Printed: 4/15/2008 8:45:49 AM

Store: 1

Sales Receipt# 58037

4/15/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC % TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SCREEN LOAM-YD				20.23			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58037

Printed: 4/15/2008 9:41:49 AM

Store: 1

Sales Receipt# 58047

4/15/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.33			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58047

Printed: 4/15/2008 11:12:10 AM

Store: 1

Sales Receipt# 58073

4/15/2008

Cashier: tbeebe

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J.A.M. Materials

990 Aquidneck Avenue
Middletown, RI 02842
Phone: (401) 841-5999
Fax: (401) 841-8906
www.jammaterials.com

Bill To: GLOBAL REMEDIATION
GLOBAL REMEDATION
GLOBAL REMEDIATION SERVICES 1 WESTINGHOUSE PLAZA
HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.33			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58073

Printed: 4/15/2008 11:53:50 AM

Store: 1

Sales Receipt# 58085

4/15/2008

Cashier: tbeebe

Page 1

J.A.M. Materials

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.05			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58085

Printed: 4/15/2008 1:01:59 PM

Store: 1

Sales Receipt # 58095

4/15/2008

Cashier: proderick

Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					21.29			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

58095

Store: 1

Sales Receipt # 59092

4/24/2008

Cashier: proderick

Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					32.11			
REFERENCE	TK 30 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59092

Printed: 4/24/2008 1:45:20 PM

Store: 1

Sales Receipt # 59078

4/24/2008

Cashier: proderick

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					32.44			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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59078

Store: 1

Sales Receipt# 59075
4/24/2008
Cashier: tbeebe
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.38			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59075

Store: 1

Sales Receipt# 59070
4/24/2008
Cashier: tbeebe
Page 1

J.A.M. Materials

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					11.37			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59070

Store: 1

Sales Receipt# 59065
4/24/2008
Cashier: tbeebe
Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					20.2			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59065

Printed: 4/24/2008 2:24:32 PM

Store: 1

Sales Receipt # 59094

4/24/2008

Cashier: proderick

Page 1

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GLOBAL REMEDATION
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					20.16			
REFERENCE	TK 37 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59094

Store: 1

Sales Receipt# 59053
4/24/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					10.11			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59053

Store: 1

Sales Receipt# 59251
4/25/2008
Cashier: tbeebe
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.71			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59251

Store: 1

Sales Receipt # 59151

4/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					35.37			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59151

Printed: 4/25/2008 9:05:27 AM

Store: 1

Sales Receipt # 59146

4/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					19.97			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59146

Store: 1

Sales Receipt # 59139
4/25/2008
Cashier: proderick
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					36.38			–
REFERENCE	WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59139

Store: 1

Sales Receipt# 59167
4/25/2008
Cashier: tbeebe
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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					22.72			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59167

Store: 1

4/25/2008
Cashier: proderick
Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					33.32			
REFERENCE	TK 42 WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59122

Printed: 4/25/2008 10:40:31 AM

Store: 1

Sales Receipt # 59182

4/25/2008

Cashier: tbeebe

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					21.4			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59182

Store: 1

Sales Receipt# 59194
4/25/2008
Cashier: tbeebe
Page 1

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Bill To: GLOBAL REMEDIATION
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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					35.16			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59194

Printed: 4/25/2008 12:01:49 PM

Store: 1

Sales Receipt # 59214

4/25/2008

Cashier: proderick

Page 1

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HYDE PARK, MA 02137

DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - T(					34.78			
REFERENCE	WAR COLLEGE								

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

We accept no responsibility for damage when delivery is made inside curbs or on private property.

59214

Store: 1

Sales Receipt# 59173
4/25/2008
Cashier: tbeebe
Page 1

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DESCRIPTION 1	DESCRIPTION 2	ATTR	SIZE	DISC %	TYPE	QTY	PRICE	EXT PRICE	TAX
LOAM	SPECIAL SCREENED LOAM - TON					33.27			

Any invoice past 30 days will be subject to pay a finance charge of 1.5% per month (18% per annum).

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59173

APPENDIX J

IMPORTED CLEAN TOPSOIL AND FILL ANALYTICAL RESULTS

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801234

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 25, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 18, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801234-01	Soil	OFFTA-BF
0801234-02	Soil	OFFTA-TS
0801234-03	Soil	OFFTA-WC02
0801234-04	Soil	OFFTA-A-B5
0801234-05	Soil	OFFTA-A-B8
0801234-06	Soil	OFFTA-WC01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

BRA0175-CCV1 **Continuing Calibration recovery is below lower control limit.**
2-Butanone, 2-Hexanone, Tetrahydrofuran

8270C Semi-Volatile Organic Compounds

BA82115-BS1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline 2,4-Dinitrophenol, Hexachlorocyclopentadiene, Pyridine

BA82115-BSD1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline, Hexachlorocyclopentadiene, 3+4-Methylphenol, Pyridine

BA82115-BSD1 **Relative percent difference for duplicate is outside of criteria.**
2,4-Dinitrophenol, 3+4-Methylphenol, 4,6-Dinitro-2-Methylphenol, Benzoic Acid

BA82115-MS1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, 4-Nitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, Pyridine

BA82115-MSD1 **Majority of compounds are outside crtieria for RPD due to matrix interferences.**

BA82115-MSD1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene

BA82115-MSD1 **Surrogate recovery(ies) below lower control limit.**

BRA0190-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 6.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.122	2.5	1	01/24/08
Ethylbenzene	ND	mg/kg dry	0.122	71	1	01/24/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.122	390	1	01/24/08
Toluene	ND	mg/kg dry	0.122	190	1	01/24/08
Xylene O	ND	mg/kg dry	0.122	110	1	01/24/08
Xylene P,M	ND	mg/kg dry	0.244	110	1	01/24/08
Xylenes (Total)	ND	mg/kg	0.348	110	1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	38.9		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 6.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.138	2.5	1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.138	71	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.138	390	1	01/21/08
Toluene	ND	mg/kg dry	0.138	190	1	01/21/08
Xylene O	ND	mg/kg dry	0.138	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.277	110	1	01/21/08
Xylenes (Total)	ND	mg/kg	0.357	110	1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*78 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.3	6010B	7	1	JP	01/19/08	1.77	100
Barium	**29.4**	mg/kg dry	3.3	6010B	5500	1	JP	01/19/08	1.77	100
Cadmium	ND	mg/kg dry	0.66	6010B	39	1	JP	01/19/08	1.77	100
Chromium	**11.6**	mg/kg dry	1.3	6010B	1400	1	JP	01/19/08	1.77	100
Lead	**185**	mg/kg dry	6.6	6010B	150	1	JP	01/19/08	1.77	100
Mercury	**0.219**	mg/kg dry	0.038	7471A	23	1	JP	01/19/08	0.61	40
Selenium	ND	mg/kg dry	6.6	6010B	390	1	SVD	01/22/08	1.77	100
Silver	ND	mg/kg dry	0.66	6010B	200	1	JP	01/19/08	1.77	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.265	0.0876	2.2	1	01/21/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.133	0.0345	540	1	01/21/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.133	0.0398	1.3	1	01/21/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.133	0.0425	3.6	1	01/21/08
1,1-Dichloroethane		ND	mg/kg dry	0.133	0.0372	920	1	01/21/08
1,1-Dichloroethene		ND	mg/kg dry	0.133	0.0319	0.2	1	01/21/08
1,1-Dichloropropene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.133	0.0292	96	1	01/21/08
1,2,4-Trimethylbenzene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.796	0.265	0.5	1	01/21/08
1,2-Dibromoethane		ND	mg/kg dry	0.133	0.0292	0.01	1	01/21/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.133	0.0292	510	1	01/21/08
1,2-Dichloroethane		ND	mg/kg dry	0.133	0.0292	0.9	1	01/21/08
1,2-Dichloropropane		ND	mg/kg dry	0.133	0.0372	1.9	1	01/21/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.133	0.0319	430	1	01/21/08
1,3-Dichloropropane		ND	mg/kg dry	0.133	0.0265		1	01/21/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.133	0.0345	27	1	01/21/08
1,4-Dioxane - Screen		ND	mg/kg dry	13.3	6.64		1	01/21/08
1-Chlorohexane		ND	mg/kg dry	0.133	0.0345		1	01/21/08
2,2-Dichloropropane		ND	mg/kg dry	0.265	0.0664		1	01/21/08
2-Butanone		ND	mg/kg dry	3.32	0.664	10000	1	01/21/08
2-Chlorotoluene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
2-Hexanone		ND	mg/kg dry	1.33	0.186		1	01/21/08
4-Chlorotoluene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
4-Isopropyltoluene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
4-Methyl-2-Pentanone		ND	mg/kg dry	1.33	0.186	1200	1	01/21/08
Acetone		ND	mg/kg dry	3.32	1.06	7800	1	01/21/08
Benzene	J	**0.0849**	mg/kg dry	0.133	0.0398	2.5	1	01/21/08
Bromobenzene		ND	mg/kg dry	0.133	0.0292		1	01/21/08
Bromochloromethane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
Bromodichloromethane		ND	mg/kg dry	0.133	0.0372	10	1	01/21/08
Bromoform		ND	mg/kg dry	0.133	0.0425	81	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.265	0.0664	0.8	1	01/21/08
Carbon Disulfide	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Carbon Tetrachloride	ND	mg/kg dry	0.133	0.0372	1.5	1	01/21/08
Chlorobenzene	ND	mg/kg dry	0.133	0.0292	210	1	01/21/08
Chloroethane	ND	mg/kg dry	0.265	0.0876		1	01/21/08
Chloroform	ND	mg/kg dry	0.133	0.0319	1.2	1	01/21/08
Chloromethane	ND	mg/kg dry	0.265	0.0425		1	01/21/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0398	630	1	01/21/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0292		1	01/21/08
Dibromochloromethane	ND	mg/kg dry	0.133	0.0265	7.6	1	01/21/08
Dibromomethane	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Dichlorodifluoromethane	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Diethyl Ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Di-isopropyl ether	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.133	0.0265		1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.133	0.0319	71	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.133	0.0425	8.2	1	01/21/08
Isopropylbenzene	ND	mg/kg dry	0.133	0.0292	27	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.133	0.0319	390	1	01/21/08
Methylene Chloride	ND	mg/kg dry	0.664	0.0531	45	1	01/21/08
Naphthalene	**0.828**	mg/kg dry	0.133	0.0398	54	1	01/21/08
n-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
n-Propylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
sec-Butylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
Styrene	ND	mg/kg dry	0.133	0.0345	13	1	01/21/08
tert-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Tetrachloroethene	ND	mg/kg dry	0.133	0.0425	12	1	01/21/08
Tetrahydrofuran	ND	mg/kg dry	1.33	0.345		1	01/21/08
Toluene	**0.157**	mg/kg dry	0.133	0.0372	190	1	01/21/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0425	1100	1	01/21/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Trichloroethene	ND	mg/kg dry	0.133	0.0319	13	1	01/21/08
Trichlorofluoromethane	ND	mg/kg dry	0.133	0.0372		1	01/21/08
Vinyl Acetate	ND	mg/kg dry	0.664	0.0531		1	01/21/08
Vinyl Chloride	ND	mg/kg dry	0.133	0.0319	0.02	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.133	0.0265	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.265	0.0664	110	1	01/21/08
Xylenes (Total)	ND	mg/kg dry	0.398		110	1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*90 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**421**	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 19.4
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/18/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1221	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1232	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1242	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1248	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1254	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1260	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1262	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1268	ND	mg/kg dry	0.0599	10	1	01/20/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*93 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*95 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*78 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.387	0.8	1	01/21/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.387	96	1	01/21/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.387	510	1	01/21/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.387	430	1	01/21/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.387	27	1	01/21/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.94		1	01/21/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.387	330	1	01/21/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.387	58	1	01/21/08
2,4-Dichlorophenol	ND	mg/kg dry	0.387	30	1	01/21/08
2,4-Dimethylphenol	ND	mg/kg dry	0.387	1400	1	01/21/08
2,4-Dinitrophenol	ND	mg/kg dry	1.94	160	1	01/21/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.387	0.9	1	01/21/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.387		1	01/21/08
2-Chloronaphthalene	ND	mg/kg dry	0.387		1	01/21/08
2-Chlorophenol	ND	mg/kg dry	0.387	50	1	01/21/08
2-Methylnaphthalene	ND	mg/kg dry	0.387	123	1	01/21/08
2-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
2-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
2-Nitrophenol	ND	mg/kg dry	0.387		1	01/21/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.776	1.4	1	01/21/08
3+4-Methylphenol	ND	mg/kg dry	0.776		1	01/21/08
3-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.94		1	01/21/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.387		1	01/21/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
4-Chloroaniline	ND	mg/kg dry	0.776	310	1	01/21/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.387		1	01/21/08
4-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4-Nitrophenol	ND	mg/kg dry	1.94		1	01/21/08
Acenaphthene	ND	mg/kg dry	0.387	43	1	01/21/08
Acenaphthylene	ND	mg/kg dry	0.387	23	1	01/21/08
Acetophenone	ND	mg/kg dry	0.776		1	01/21/08
Aniline	ND	mg/kg dry	1.94		1	01/21/08
Anthracene	ND	mg/kg dry	0.387	35	1	01/21/08
Azobenzene	ND	mg/kg dry	0.387		1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.497**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(a)pyrene	**0.469**	mg/kg dry	0.194	0.4	1	01/21/08
Benzo(b)fluoranthene	**0.403**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.387	0.8	1	01/21/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Benzoic Acid	ND	mg/kg dry	1.94		1	01/21/08
Benzyl Alcohol	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.387	0.6	1	01/21/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.387	9.1	1	01/21/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.387	46	1	01/21/08
Butylbenzylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Carbazole	ND	mg/kg dry	0.387		1	01/21/08
Chrysene	**0.516**	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzofuran	ND	mg/kg dry	0.387		1	01/21/08
Diethylphthalate	ND	mg/kg dry	0.387	340	1	01/21/08
Dimethylphthalate	ND	mg/kg dry	0.387	1900	1	01/21/08
Di-n-butylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Di-n-octylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Fluoranthene	**0.944**	mg/kg dry	0.387	20	1	01/21/08
Fluorene	ND	mg/kg dry	0.387	28	1	01/21/08
Hexachlorobenzene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.387	8.2	1	01/21/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.94		1	01/21/08
Hexachloroethane	ND	mg/kg dry	0.387	46	1	01/21/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Isophorone	ND	mg/kg dry	0.387		1	01/21/08
Naphthalene	ND	mg/kg dry	0.387	54	1	01/21/08
Nitrobenzene	ND	mg/kg dry	0.387		1	01/21/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.387		1	01/21/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.387		1	01/21/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.387		1	01/21/08
Pentachlorophenol	ND	mg/kg dry	1.94	5.3	1	01/21/08
Phenanthrene	**0.669**	mg/kg dry	0.387	40	1	01/21/08
Phenol	ND	mg/kg dry	0.387	6000	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Pyrene	**0.836**	mg/kg dry	0.387	13	1	01/21/08
Pyridine	ND	mg/kg dry	1.94		1	01/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*34 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*61 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*41 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*49 %*		*30-130*
Surrogate: 2-Fluorophenol	*37 %*		*30-130*
Surrogate: Nitrobenzene-d5	*42 %*		*30-130*
Surrogate: Phenol-d6	*57 %*		*30-130*
Surrogate: p-Terphenyl-d14	*65 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B5
Date Sampled: 01/18/08 14:00
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**338**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B8
Date Sampled: 01/18/08 14:00
Percent Solids: 85
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**3110**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC01
Date Sampled: 01/18/08 14:00
Percent Solids: 83
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**62.1**	mg/kg dry	44.3		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	31.6	3.3	mg/kg wet	33.33		95	80-120			
Barium	32.9	3.3	mg/kg wet	33.33		99	80-120			
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120			
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead	33.5	6.7	mg/kg wet	33.33		100	80-120			
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120			
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120			
LCS Dup										
Arsenic	31.5	3.3	mg/kg wet	33.33		94	80-120	0.3	20	
Barium	33.0	3.3	mg/kg wet	33.33		99	80-120	0.1	20	
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120	0.04	20	
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120	0.06	20	
Lead	33.4	6.7	mg/kg wet	33.33		100	80-120	0.1	20	
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120	0.03	20	
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120	0.09	20	
Duplicate **Source: 0801234-03**										
Arsenic	3.10	3.2	mg/kg dry		2.94			6	35	
Barium	36.8	3.2	mg/kg dry		29.4			22	35	
Cadmium	0.157	0.64	mg/kg dry		0.159			1	35	
Chromium	12.8	1.3	mg/kg dry		11.6			10	35	
Lead	174	6.4	mg/kg dry		185			6	35	
Selenium	3.29	6.4	mg/kg dry		3.01			9	35	
Silver	ND	0.64	mg/kg dry		ND				35	
Matrix Spike **Source: 0801234-03**										
Arsenic	29.3	3.2	mg/kg dry	31.60	2.94	84	75-125			
Barium	63.5	3.2	mg/kg dry	31.60	29.4	108	75-125			
Cadmium	12.5	0.64	mg/kg dry	15.80	0.159	78	75-125			
Chromium	39.6	1.3	mg/kg dry	31.60	11.6	89	75-125			
Lead	189	6.3	mg/kg dry	31.60	185	12	75-125			
Selenium	53.5	6.3	mg/kg dry	63.20	3.01	80	75-125			
Silver	13.6	0.64	mg/kg dry	15.80	ND	86	75-125			
Reference										
Arsenic	74.8	5.0	mg/kg wet	88.80		84	80.86-119.37			
Barium	386	5.0	mg/kg wet	427.0		90	82.67-117.33			
Cadmium	54.6	1.02	mg/kg wet	63.00		87	82.06-117.94			
Chromium	84.0	2.0	mg/kg wet	97.90		86	78.86-120.53			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Lead	83.3	10.1	mg/kg wet	88.90		94	81.78-118.11			
Selenium	154	10.1	mg/kg wet	155.0		99	77.42-122.58			
Silver	75.1	1.02	mg/kg wet	81.60		92	66.3-133.58			
Batch BA81825 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.201	0.033	mg/kg wet	0.2000		101	80-120			
LCS Dup										
Mercury	0.204	0.033	mg/kg wet	0.2000		102	80-120	1	20	
Reference										
Mercury	4.35	0.330	mg/kg wet	4.470		97	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Xylene O	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	23.4		ug/L	25.00		94	70-130			
1,1,1-Trichloroethane	25.1		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	19.5		ug/L	25.00		78	70-130			
1,1,2-Trichloroethane	20.8		ug/L	25.00		83	70-130			
1,1-Dichloroethane	24.0		ug/L	25.00		96	70-130			
1,1-Dichloroethene	28.5		ug/L	25.00		114	70-130			
1,1-Dichloropropene	24.8		ug/L	25.00		99	70-130			
1,2,3-Trichlorobenzene	24.9		ug/L	25.00		100	70-130			
1,2,3-Trichloropropane	20.7		ug/L	25.00		83	70-130			
1,2,4-Trichlorobenzene	25.8		ug/L	25.00		103	70-130			
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130			
1,2-Dibromo-3-Chloropropane	19.6		ug/L	25.00		79	70-130			
1,2-Dibromoethane	20.6		ug/L	25.00		82	70-130			
1,2-Dichlorobenzene	23.6		ug/L	25.00		94	70-130			
1,2-Dichloroethane	22.3		ug/L	25.00		89	70-130			
1,2-Dichloropropane	22.8		ug/L	25.00		91	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	25.00		98	70-130			
1,3-Dichloropropane	20.9		ug/L	25.00		83	70-130			
1,4-Dichlorobenzene	24.2		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	499		ug/L	500.0		100	44-241			
1-Chlorohexane	24.7		ug/L	25.00		99	70-130			
2,2-Dichloropropane	25.0		ug/L	25.00		100	70-130			
2-Butanone	107		ug/L	125.0		86	70-130			
2-Chlorotoluene	24.1		ug/L	25.00		97	70-130			
2-Hexanone	99.0		ug/L	125.0		79	70-130			
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130			
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	96.7		ug/L	125.0		77	70-130			
Acetone	119		ug/L	125.0		95	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Bromobenzene	23.8		ug/L	25.00		95	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Bromochloromethane	21.0		ug/L	25.00		84	70-130			
Bromodichloromethane	25.3		ug/L	25.00		101	70-130			
Bromoform	21.9		ug/L	[illegible]		88	70-130			
Bromomethane	29.8		ug/L	25.00		119	70-130			
Carbon Disulfide	26.6		ug/L	25.00		107	70-130			
Carbon Tetrachloride	26.3		ug/L	25.00		105	70-130			
Chlorobenzene	24.1		ug/L	25.00		96	70-130			
Chloroethane	31.5		ug/L	25.00		126	70-130			
Chloroform	23.9		ug/L	25.00		96	70-130			
Chloromethane	22.7		ug/L	25.00		91	70-130			
cis-1,2-Dichloroethene	26.4		ug/L	25.00		106	70-130			
cis-1,3-Dichloropropene	22.7		ug/L	25.00		91	70-130			
Dibromochloromethane	23.5		ug/L	25.00		94	70-130			
Dibromomethane	20.5		ug/L	25.00		82	70-130			
Dichlorodifluoromethane	20.5		ug/L	25.00		82	70-130			
Diethyl Ether	21.8		ug/L	25.00		87	70-130			
Di-isopropyl ether	23.3		ug/L	25.00		93	70-130			
Ethyl tertiary-butyl ether	21.8		ug/L	25.00		87	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Hexachlorobutadiene	29.4		ug/L	25.00		117	70-130			
Isopropylbenzene	22.5		ug/L	25.00		90	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methylene Chloride	24.3		ug/L	25.00		97	70-130			
Naphthalene	20.6		ug/L	25.00		82	70-130			
n-Butylbenzene	27.1		ug/L	25.00		108	70-130			
n-Propylbenzene	26.4		ug/L	25.00		106	70-130			
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130			
Styrene	24.1		ug/L	25.00		96	70-130			
tert-Butylbenzene	26.5		ug/L	25.00		106	70-130			
Tertiary-amyl methyl ether	21.8		ug/L	25.00		87	70-130			
Tetrachloroethene	23.0		ug/L	25.00		92	70-130			
Tetrahydrofuran	17.8		ug/L	25.00		71	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
trans-1,2-Dichloroethene	26.5		ug/L	25.00		106	70-130			
trans-1,3-Dichloropropene	19.8		ug/L	25.00		79	70-130			
Trichloroethene	24.3		ug/L	25.00		97	70-130			
Vinyl Acetate	20.8		ug/L	25.00		83	70-130			
Vinyl Chloride	28.8		ug/L	25.00		115	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.1		ug/L	25.00		96	70-130	3	20	
1,1,1-Trichloroethane	25.6		ug/L	25.00		102	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.1		ug/L	25.00		84	70-130	8	20	
1,1,2-Trichloroethane	22.4		ug/L	25.00		90	70-130	7	20	
1,1-Dichloroethane	24.4		ug/L	25.00		98	70-130	1	20	
1,1-Dichloroethene	28.4		ug/L	25.00		114	70-130	0.2	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
1,2,3-Trichlorobenzene	26.2		ug/L	25.00		105	70-130	5	20	
1,2,3-Trichloropropane	22.0		ug/L	25.00		88	70-130	6	20	
1,2,4-Trichlorobenzene	26.7		ug/L	25.00		107	70-130	3	20	
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130	0.1	20	
1,2-Dibromo-3-Chloropropane	22.0		ug/L	25.00		88	70-130	12	20	
1,2-Dibromoethane	22.0		ug/L	25.00		88	70-130	7	20	
1,2-Dichlorobenzene	24.2		ug/L	25.00		97	70-130	2	20	
1,2-Dichloroethane	23.4		ug/L	25.00		94	70-130	5	20	
1,2-Dichloropropane	23.4		ug/L	25.00		94	70-130	3	20	
1,3,5-Trimethylbenzene	24.8		ug/L	25.00		99	70-130	0.8	20	
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
1,3-Dichloropropane	22.3		ug/L	25.00		89	70-130	7	20	
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130	0.7	20	
1,4-Dioxane - Screen	564		ug/L	500.0		113	44-241	12	200	
1-Chlorohexane	24.8		ug/L	25.00		99	70-130	0.5	20	
2,2-Dichloropropane	26.8		ug/L	25.00		107	70-130	7	20	
2-Butanone	119		ug/L	125.0		95	70-130	10	20	
2-Chlorotoluene	24.6		ug/L	25.00		98	70-130	2	20	
2-Hexanone	111		ug/L	125.0		88	70-130	11	20	
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130	0.08	20	
4-Isopropyltoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Methyl-2-Pentanone	108		ug/L	125.0		86	70-130	11	20	
Acetone	135		ug/L	125.0		108	70-130	12	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Bromobenzene	24.3		ug/L	25.00		97	70-130	2	20	
Bromochloromethane	22.2		ug/L	25.00		89	70-130	5	20	
Bromodichloromethane	26.4		ug/L	25.00		106	70-130	4	20	
Bromoform	23.7		ug/L	25.00		95	70-130	8	20	
Bromomethane	30.2		ug/L	25.00		121	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Carbon Disulfide	27.3		ug/L	25.00		109	70-130	2	20	
Carbon Tetrachloride	26.9		ug/L	25.00		108	70-130	2	20	
Chlorobenzene	24.4		ug/L	25.00		97	70-130	1	20	
Chloroethane	28.6		ug/L	25.00		114	70-130	10	20	
Chloroform	24.5		ug/L	25.00		98	70-130	2	20	
Chloromethane	22.9		ug/L	25.00		91	70-130	0.6	20	
cis-1,2-Dichloroethene	26.6		ug/L	25.00		106	70-130	0.7	20	
cis-1,3-Dichloropropene	23.9		ug/L	25.00		96	70-130	5	20	
Dibromochloromethane	24.8		ug/L	25.00		99	70-130	5	20	
Dibromomethane	22.3		ug/L	25.00		89	70-130	8	20	
Dichlorodifluoromethane	21.0		ug/L	25.00		84	70-130	2	20	
Diethyl Ether	23.4		ug/L	25.00		93	70-130	7	20	
Di-isopropyl ether	24.2		ug/L	25.00		97	70-130	4	20	
Ethyl tertiary-butyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Hexachlorobutadiene	29.2		ug/L	25.00		117	70-130	0.5	20	
Isopropylbenzene	22.2		ug/L	25.00		89	70-130	1	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methylene Chloride	24.9		ug/L	25.00		99	70-130	2	20	
Naphthalene	22.4		ug/L	25.00		90	70-130	9	20	
n-Butylbenzene	27.1		ug/L	25.00		108	70-130	0.1	20	
n-Propylbenzene	26.0		ug/L	25.00		104	70-130	2	20	
sec-Butylbenzene	25.8		ug/L	25.00		103	70-130	1	20	
Styrene	24.5		ug/L	25.00		98	70-130	2	20	
tert-Butylbenzene	27.0		ug/L	25.00		108	70-130	2	20	
Tertiary-amyl methyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Tetrachloroethene	21.8		ug/L	25.00		87	70-130	6	20	
Tetrahydrofuran	19.5		ug/L	25.00		78	70-130	9	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	2	20	
trans-1,3-Dichloropropene	21.2		ug/L	25.00		85	70-130	7	20	
Trichloroethene	24.6		ug/L	25.00		98	70-130	1	20	
Vinyl Acetate	22.1		ug/L	25.00		88	70-130	6	20	
Vinyl Chloride	29.7		ug/L	25.00		119	70-130	3	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Matrix Spike Source: 0801234-03										
1,1,1,2-Tetrachloroethane	24.7		ug/L	24.98	ND	99	70-130			
1,1,1-Trichloroethane	26.3		ug/L	24.98	ND	105	70-130			
1,1,2,2-Tetrachloroethane	22.2		ug/L	24.98	ND	89	70-130			
1,1,2-Trichloroethane	24.3		ug/L	24.98	ND	97	70-130			
1,1-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,1-Dichloroethene	29.9		ug/L	24.98	ND	120	70-130			
1,1-Dichloropropene	26.1		ug/L	24.98	ND	105	70-130			
1,2,3-Trichlorobenzene	27.3		ug/L	24.98	ND	109	70-130			
1,2,3-Trichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,2,4-Trichlorobenzene	28.0		ug/L	24.98	ND	112	70-130			
1,2,4-Trimethylbenzene	26.3		ug/L	24.98	ND	105	70-130			
1,2-Dibromo-3-Chloropropane	23.1		ug/L	24.98	ND	92	70-130			
1,2-Dibromoethane	23.9		ug/L	24.98	ND	96	70-130			
1,2-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130			
1,2-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,2-Dichloropropane	24.4		ug/L	24.98	ND	98	70-130			
1,3,5-Trimethylbenzene	24.9		ug/L	24.98	ND	100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	24.98	ND	99	70-130			
1,3-Dichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,4-Dichlorobenzene	24.4		ug/L	24.98	ND	98	70-130			
1,4-Dioxane - Screen	222		ug/L	499.7	ND	44	44-241			
1-Chlorohexane	25.6		ug/L	24.98	ND	103	70-130			
2,2-Dichloropropane	25.0		ug/L	24.98	-0.192	101	70-130			
2-Butanone	124		ug/L	124.9	ND	100	70-130			
2-Chlorotoluene	23.6		ug/L	24.98	ND	95	70-130			
2-Hexanone	115		ug/L	124.9	ND	92	70-130			
4-Chlorotoluene	24.1		ug/L	24.98	ND	97	70-130			
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130			
4-Methyl-2-Pentanone	114		ug/L	124.9	ND	92	70-130			
Acetone	136		ug/L	124.9	ND	109	70-130			
Benzene	24.8		ug/L	24.98	0.341	98	70-130			
Bromobenzene	24.6		ug/L	24.98	ND	99	70-130			
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130			
Bromodichloromethane	27.4		ug/L	24.98	ND	110	70-130			
Bromoform	24.9		ug/L	24.98	ND	100	70-130			
Bromomethane	27.1		ug/L	24.98	ND	109	70-130			
Carbon Disulfide	28.1		ug/L	24.98	ND	112	70-130			
Carbon Tetrachloride	27.6		ug/L	24.98	ND	110	70-130			
Chlorobenzene	25.0		ug/L	24.98	ND	100	70-130			
Chloroethane	30.0		ug/L	24.98	ND	120	70-130			
Chloroform	25.0		ug/L	24.98	ND	100	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Chloromethane	23.6		ug/L	24.98	ND	94	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130			
cis-1,3-Dichloropropene	24.6		ug/L	24.98	ND	98	70-130			
Dibromochloromethane	26.0		ug/L	24.98	ND	104	70-130			
Dibromomethane	23.9		ug/L	24.98	ND	96	70-130			
Dichlorodifluoromethane	22.5		ug/L	24.98	ND	90	70-130			
Diethyl Ether	25.2		ug/L	24.98	ND	101	70-130			
Di-isopropyl ether	24.6		ug/L	24.98	ND	99	70-130			
Ethyl tertiary-butyl ether	24.1		ug/L	24.98	ND	97	70-130			
Ethylbenzene	24.9		ug/L	24.98	0.0958	99	70-130			
Hexachlorobutadiene	30.4		ug/L	24.98	ND	121	70-130			
Isopropylbenzene	22.2		ug/L	24.98	ND	89	70-130			
Methyl tert-Butyl Ether	24.4		ug/L	24.98	ND	98	70-130			
Methylene Chloride	25.6		ug/L	24.98	0.149	102	70-130			
Naphthalene	25.4		ug/L	24.98	3.32	89	70-130			
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130			
n-Propylbenzene	26.7		ug/L	24.98	ND	107	70-130			
sec-Butylbenzene	26.0		ug/L	24.98	ND	104	70-130			
Styrene	25.1		ug/L	24.98	ND	101	70-130			
tert-Butylbenzene	26.6		ug/L	24.98	ND	107	70-130			
Tertiary-amyl methyl ether	24.6		ug/L	24.98	ND	98	70-130			
Tetrachloroethene	23.8		ug/L	24.98	ND	95	70-130			
Tetrahydrofuran	21.2		ug/L	24.98	ND	85	70-130			
Toluene	26.0		ug/L	24.98	0.628	102	70-130			
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	110	70-130			
trans-1,3-Dichloropropene	22.3		ug/L	24.98	ND	89	70-130			
Trichloroethene	25.8		ug/L	24.98	ND	103	70-130			
Vinyl Acetate	22.7		ug/L	24.98	ND	91	70-130			
Vinyl Chloride	31.1		ug/L	24.98	ND	124	70-130			
Xylene O	25.2		ug/L	24.98	ND	101	70-130			
Xylene P,M	50.7		ug/L	49.97	0.181	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.52*		mg/kg dry	*6.229*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.61*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*5.89*		mg/kg dry	*6.229*		*95*	*70-130*			
Surrogate: Toluene-d8	*5.81*		mg/kg dry	*6.229*		*93*	*70-130*			
Matrix Spike Dup Source: 0801234-03										
1,1,1,2-Tetrachloroethane	25.0		ug/L	24.98	ND	100	70-130	1	20	
1,1,1-Trichloroethane	26.6		ug/L	24.98	ND	106	70-130	1	20	
1,1,2,2-Tetrachloroethane	23.1		ug/L	24.98	ND	92	70-130	4	20	
1,1,2-Trichloroethane	24.9		ug/L	24.98	ND	100	70-130	3	20	
1,1-Dichloroethane	25.2		ug/L	24.98	ND	101	70-130	1	20	
1,1-Dichloroethene	29.0		ug/L	24.98	ND	116	70-130	3	20	
1,1-Dichloropropene	26.3		ug/L	24.98	ND	105	70-130	0.5	20	
1,2,3-Trichlorobenzene	29.7		ug/L	24.98	ND	119	70-130	8	20	
1,2,3-Trichloropropane	24.9		ug/L	24.98	ND	100	70-130	5	20	
1,2,4-Trichlorobenzene	29.3		ug/L	24.98	ND	117	70-130	5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
1,2,4-Trimethylbenzene	26.5		ug/L	24.98	ND	106	70-130	0.9	20	
1,2-Dibromo-3-Chloropropane	25.0		ug/L	24.98	ND	100	70-130	8	20	
1,2-Dibromoethane	24.5		ug/L	24.98	ND	98	70-130	2	20	
1,2-Dichlorobenzene	25.3		ug/L	24.98	ND	101	70-130	3	20	
1,2-Dichloroethane	25.4		ug/L	24.98	ND	102	70-130	2	20	
1,2-Dichloropropane	24.6		ug/L	24.98	ND	98	70-130	0.6	20	
1,3,5-Trimethylbenzene	25.0		ug/L	24.98	ND	100	70-130	0.5	20	
1,3-Dichlorobenzene	25.2		ug/L	24.98	ND	101	70-130	2	20	
1,3-Dichloropropane	24.2		ug/L	24.98	ND	97	70-130	3	20	
1,4-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130	0.7	20	
1,4-Dioxane - Screen	543		ug/L	499.7	ND	109	44-241	84	200	
1-Chlorohexane	25.1		ug/L	24.98	ND	100	70-130	2	20	
2,2-Dichloropropane	25.7		ug/L	24.98	-0.192	103	70-130	3	20	
2-Butanone	134		ug/L	124.9	ND	107	70-130	7	20	
2-Chlorotoluene	23.0		ug/L	24.98	ND	92	70-130	3	20	
2-Hexanone	128		ug/L	124.9	ND	102	70-130	11	20	
4-Chlorotoluene	24.7		ug/L	24.98	ND	99	70-130	2	20	
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130	0.08	20	
4-Methyl-2-Pentanone	123		ug/L	124.9	ND	99	70-130	7	20	
Acetone	149		ug/L	124.9	ND	119	70-130	9	20	
Benzene	25.0		ug/L	24.98	0.341	99	70-130	1	20	
Bromobenzene	25.0		ug/L	24.98	ND	100	70-130	1	20	
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130	0.2	20	
Bromodichloromethane	28.0		ug/L	24.98	ND	112	70-130	2	20	
Bromoform	26.2		ug/L	24.98	ND	105	70-130	5	20	
Bromomethane	28.7		ug/L	24.98	ND	115	70-130	6	20	
Carbon Disulfide	28.1		ug/L	24.98	ND	113	70-130	0.2	20	
Carbon Tetrachloride	27.7		ug/L	24.98	ND	111	70-130	0.3	20	
Chlorobenzene	25.3		ug/L	24.98	ND	101	70-130	1	20	
Chloroethane	28.2		ug/L	24.98	ND	113	70-130	6	20	
Chloroform	25.4		ug/L	24.98	ND	102	70-130	2	20	
Chloromethane	24.2		ug/L	24.98	ND	97	70-130	3	20	
cis-1,2-Dichloroethene	27.9		ug/L	24.98	ND	112	70-130	0.9	20	
cis-1,3-Dichloropropene	25.0		ug/L	24.98	ND	100	70-130	2	20	
Dibromochloromethane	26.6		ug/L	24.98	ND	107	70-130	3	20	
Dibromomethane	24.4		ug/L	24.98	ND	97	70-130	2	20	
Dichlorodifluoromethane	22.3		ug/L	24.98	ND	89	70-130	1	20	
Diethyl Ether	26.0		ug/L	24.98	ND	104	70-130	3	20	
Di-isopropyl ether	25.3		ug/L	24.98	ND	101	70-130	3	20	
Ethyl tertiary-butyl ether	25.0		ug/L	24.98	ND	100	70-130	4	20	
Ethylbenzene	25.2		ug/L	24.98	0.0958	101	70-130	1	20	
Hexachlorobutadiene	31.9		ug/L	24.98	ND	128	70-130	5	20	
Isopropylbenzene	22.3		ug/L	24.98	ND	89	70-130	0.2	20	
Methyl tert-Butyl Ether	25.6		ug/L	24.98	ND	103	70-130	5	20	
Methylene Chloride	25.8		ug/L	24.98	0.149	103	70-130	0.9	20	
Naphthalene	28.4		ug/L	24.98	3.32	100	70-130	11	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130	0.3	20	
n-Propylbenzene	27.3		ug/L	24.98	ND	109	70-130	2	20	
sec-Butylbenzene	26.2		ug/L	24.98	ND	105	70-130	0.7	20	
Styrene	25.5		ug/L	24.98	ND	102	70-130	2	20	
tert-Butylbenzene	25.2		ug/L	24.98	ND	101	70-130	5	20	
Tertiary-amyl methyl ether	25.6		ug/L	24.98	ND	102	70-130	4	20	
Tetrachloroethene	27.9		ug/L	24.98	ND	112	70-130	16	20	
Tetrahydrofuran	22.0		ug/L	24.98	ND	88	70-130	4	20	
Toluene	26.2		ug/L	24.98	0.628	102	70-130	0.7	20	
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130	0.1	20	
trans-1,3-Dichloropropene	22.9		ug/L	24.98	ND	92	70-130	3	20	
Trichloroethene	25.7		ug/L	24.98	ND	103	70-130	0.4	20	
Vinyl Acetate	23.0		ug/L	24.98	ND	92	70-130	1	20	
Vinyl Chloride	31.0		ug/L	24.98	ND	124	70-130	0.1	20	
Xylene O	25.3		ug/L	24.98	ND	101	70-130	0.6	20	
Xylene P,M	51.2		ug/L	49.97	0.181	102	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*5.62*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.68*		mg/kg dry	*6.229*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*6.00*		mg/kg dry	*6.229*		*96*	*70-130*			
Surrogate: Toluene-d8	*5.86*		mg/kg dry	*6.229*		*94*	*70-130*			
Batch BA82410 - 5035										
Blank										
Benzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.35*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
LCS										
Benzene	25.7		ug/L	25.00		103	70-130			
Ethylbenzene	25.5		ug/L	25.00		102	70-130			
Methyl tert-Butyl Ether	26.9		ug/L	25.00		108	70-130			
Toluene	25.7		ug/L	25.00		103	70-130			
Xylene O	25.7		ug/L	25.00		103	70-130			
Xylene P,M	51.3		ug/L	50.00		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*2.36*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
Benzene	25.5		ug/L	25.00		102	70-130	0.9	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Ethylbenzene	25.5		ug/L	25.00		102	70-130	0.2	20	
Methyl tert-Butyl Ether	27.4		ug/L	25.00		110	70-130	2	20	
Toluene	25.7		ug/L	25.00		103	70-130	0.08	20	
Xylene O	25.8		ug/L	25.00		103	70-130	0.3	20	
Xylene P,M	51.5		ug/L	50.00		103	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.48*		mg/kg wet	*2.500*		*99*	*70-130*			
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.55*		mg/kg wet	*5.000*		*71*	*40-140*			
LCS										
Decane (C10)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Docosane (C22)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Dodecane (C12)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Eicosane (C20)	2.22	0.26	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Hexadecane (C16)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Octacosane (C28)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		89	40-140			
Tetracosane (C24)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Tetradecane (C14)	1.99	0.26	mg/kg wet	2.500		79	40-140			
Surrogate: O-Terphenyl	*3.99*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS Dup										
Decane (C10)	1.58	0.26	mg/kg wet	2.500		63	40-140	10	50	
Docosane (C22)	1.97	0.26	mg/kg wet	2.500		79	40-140	13	50	
Dodecane (C12)	1.69	0.26	mg/kg wet	2.500		67	40-140	11	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Eicosane (C20)	1.95	0.26	mg/kg wet	2.500		78	40-140	13	50	
Hexacosane (C26)	1.97	0.26	mg/kg wet	2.500		79	40-140	14	50	
Hexadecane (C16)	1.83	0.26	mg/kg wet	2.500		73	40-140	12	50	
Nonadecane (C19)	2.00	0.26	mg/kg wet	2.500		80	40-140	12	50	
Octacosane (C28)	2.00	0.26	mg/kg wet	2.500		80	40-140	14	50	
Octadecane (C18)	1.96	0.26	mg/kg wet	2.500		78	40-140	12	50	
Tetracosane (C24)	2.12	0.26	mg/kg wet	2.500		85	40-140	14	50	
Tetradecane (C14)	1.76	0.26	mg/kg wet	2.500		70	40-140	12	50	
Surrogate: O-Terphenyl	*3.52*		mg/kg wet	*5.000*		*70*	*40-140*			
Matrix Spike Source: 0801234-01										
Decane (C10)	1.42	0.27	mg/kg dry	2.606	ND	55	40-140			
Docosane (C22)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Dodecane (C12)	1.53	0.27	mg/kg dry	2.606	ND	59	40-140			
Eicosane (C20)	1.96	0.27	mg/kg dry	2.606	ND	75	40-140			
Hexacosane (C26)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Hexadecane (C16)	1.75	0.27	mg/kg dry	2.606	ND	67	40-140			
Nonadecane (C19)	1.99	0.27	mg/kg dry	2.606	ND	77	40-140			
Octacosane (C28)	2.00	0.27	mg/kg dry	2.606	ND	77	40-140			
Octadecane (C18)	1.84	0.27	mg/kg dry	2.606	ND	71	40-140			
Tetracosane (C24)	2.10	0.27	mg/kg dry	2.606	ND	81	40-140			
Tetradecane (C14)	1.63	0.27	mg/kg dry	2.606	ND	63	40-140			
Surrogate: O-Terphenyl	*3.39*		mg/kg dry	*5.211*		*65*	*40-140*			
Matrix Spike Dup Source: 0801234-01										
Decane (C10)	1.57	0.26	mg/kg dry	2.593	ND	60	40-140	10	50	
Docosane (C22)	1.94	0.26	mg/kg dry	2.593	ND	75	40-140	1	50	
Dodecane (C12)	1.68	0.26	mg/kg dry	2.593	ND	65	40-140	9	50	
Eicosane (C20)	1.95	0.26	mg/kg dry	2.593	ND	75	40-140	0.7	50	
Hexacosane (C26)	1.93	0.26	mg/kg dry	2.593	ND	74	40-140	2	50	
Hexadecane (C16)	1.87	0.26	mg/kg dry	2.593	ND	72	40-140	7	50	
Nonadecane (C19)	2.01	0.26	mg/kg dry	2.593	ND	77	40-140	0.7	50	
Octacosane (C28)	1.96	0.26	mg/kg dry	2.593	ND	76	40-140	2	50	
Octadecane (C18)	1.90	0.26	mg/kg dry	2.593	ND	73	40-140	3	50	
Tetracosane (C24)	2.16	0.26	mg/kg dry	2.593	ND	83	40-140	3	50	
Tetradecane (C14)	1.80	0.26	mg/kg dry	2.593	ND	69	40-140	10	50	
Surrogate: O-Terphenyl	*3.44*		mg/kg dry	*5.185*		*66*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0235*		mg/kg wet	*0.02500*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0240*		mg/kg wet	*0.02500*		*96*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.441	0.0500	mg/kg wet	0.5000		88	40-140			
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0227*		mg/kg wet	*0.02500*		*91*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
LCS Dup										
Aroclor 1016	0.473	0.0500	mg/kg wet	0.5000		95	40-140	4	50	
Aroclor 1260	0.458	0.0500	mg/kg wet	0.5000		92	40-140	4	50	
Surrogate: Decachlorobiphenyl	*0.0249*		mg/kg wet	*0.02500*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0241*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0247*		mg/kg wet	*0.02500*		*99*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

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Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							

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Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.92*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.34*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.31*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.41*		mg/kg wet	*3.750*		*64*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.78*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.09*		mg/kg wet	*3.750*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.96*		mg/kg wet	*2.500*		*78*	*30-130*			
LCS										
1,1-Biphenyl	1.48	0.250	mg/kg wet	2.500		59	40-140			
1,2,4-Trichlorobenzene	1.26	0.250	mg/kg wet	2.500		50	40-140			
1,2-Dichlorobenzene	1.28	0.250	mg/kg wet	2.500		51	40-140			
1,3-Dichlorobenzene	1.22	0.250	mg/kg wet	2.500		49	40-140			
1,4-Dichlorobenzene	1.21	0.250	mg/kg wet	2.500		49	40-140			
2,3,4,6-Tetrachlorophenol	1.83	1.25	mg/kg wet	2.500		73	30-130			
2,4,5-Trichlorophenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4,6-Trichlorophenol	1.53	0.250	mg/kg wet	2.500		61	30-130			
2,4-Dichlorophenol	1.45	0.250	mg/kg wet	2.500		58	30-130			
2,4-Dimethylphenol	1.30	0.250	mg/kg wet	2.500		52	30-130			
2,4-Dinitrophenol	0.535	1.25	mg/kg wet	2.500		21	30-130			B-
2,4-Dinitrotoluene	1.68	0.250	mg/kg wet	2.500		67	40-140			
2,6-Dinitrotoluene	1.52	0.250	mg/kg wet	2.500		61	40-140			
2-Chloronaphthalene	1.10	0.250	mg/kg wet	2.500		44	40-140			
2-Chlorophenol	1.23	0.250	mg/kg wet	2.500		49	30-130			
2-Methylnaphthalene	1.29	0.250	mg/kg wet	2.500		52	40-140			
2-Methylphenol	1.40	0.250	mg/kg wet	2.500		56	30-130			
2-Nitroaniline	1.02	0.250	mg/kg wet	2.500		41	40-140			
2-Nitrophenol	1.25	0.250	mg/kg wet	2.500		50	30-130			
3,3'-Dichlorobenzidine	1.87	0.500	mg/kg wet	2.500		75	40-140			
3+4-Methylphenol	2.34	0.500	mg/kg wet	5.000		47	30-130			
3-Nitroaniline	1.62	0.250	mg/kg wet	2.500		65	40-140			
4,6-Dinitro-2-Methylphenol	0.964	1.25	mg/kg wet	2.500		39	30-130			
4-Bromophenyl-phenylether	1.49	0.250	mg/kg wet	2.500		60	40-140			
4-Chloro-3-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130			
4-Chloroaniline	0.822	0.500	mg/kg wet	2.500		33	40-140			B-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
4-Chloro-phenyl-phenyl ether	1.55	0.250	mg/kg wet	2.500		62	40-140			
4-Nitroaniline	1.72	0.250	mg/kg wet	2.500		69	40-140			
4-Nitrophenol	1.79	1.25	mg/kg wet	2.500		72	30-130			
Acenaphthene	1.41	0.250	mg/kg wet	2.500		56	40-140			
Acenaphthylene	1.37	0.250	mg/kg wet	2.500		55	40-140			
Acetophenone	1.32	0.500	mg/kg wet	2.500		53	40-140			
Aniline	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Anthracene	1.55	0.250	mg/kg wet	2.500		62	40-140			
Azobenzene	1.44	0.250	mg/kg wet	2.500		58	40-140			
Benzo(a)anthracene	1.90	0.250	mg/kg wet	2.500		76	40-140			
Benzo(a)pyrene	1.75	0.125	mg/kg wet	2.500		70	40-140			
Benzo(b)fluoranthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(g,h,i)perylene	1.86	0.250	mg/kg wet	2.500		74	40-140			
Benzo(k)fluoranthene	1.87	0.250	mg/kg wet	2.500		75	40-140			
Benzoic Acid	ND	1.25	mg/kg wet	2.500			40-140			B-
Benzyl Alcohol	1.33	0.250	mg/kg wet	2.500		53	40-140			
bis(2-Chloroethoxy)methane	1.11	0.250	mg/kg wet	2.500		44	40-140			
bis(2-Chloroethyl)ether	1.38	0.250	mg/kg wet	2.500		55	40-140			
bis(2-chloroisopropyl)Ether	1.16	0.250	mg/kg wet	2.500		46	40-140			
bis(2-Ethylhexyl)phthalate	1.90	0.250	mg/kg wet	2.500		76	40-140			
Butylbenzylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140			
Carbazole	1.79	0.250	mg/kg wet	2.500		72	40-140			
Chrysene	1.87	0.125	mg/kg wet	2.500		75	40-140			
Dibenzo(a,h)Anthracene	1.83	0.125	mg/kg wet	2.500		73	40-140			
Dibenzofuran	1.44	0.250	mg/kg wet	2.500		58	40-140			
Diethylphthalate	1.47	0.250	mg/kg wet	2.500		59	40-140			
Dimethylphthalate	1.56	0.250	mg/kg wet	2.500		62	40-140			
Di-n-butylphthalate	1.71	0.250	mg/kg wet	2.500		68	40-140			
Di-n-octylphthalate	1.73	0.250	mg/kg wet	2.500		69	40-140			
Fluoranthene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Fluorene	1.39	0.250	mg/kg wet	2.500		55	40-140			
Hexachlorobenzene	1.43	0.125	mg/kg wet	2.500		57	40-140			
Hexachlorobutadiene	1.21	0.250	mg/kg wet	2.500		48	40-140			
Hexachlorocyclopentadiene	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Hexachloroethane	1.19	0.250	mg/kg wet	2.500		48	40-140			
Indeno(1,2,3-cd)Pyrene	1.85	0.250	mg/kg wet	2.500		74	40-140			
Isophorone	1.24	0.250	mg/kg wet	2.500		49	40-140			
Naphthalene	1.18	0.250	mg/kg wet	2.500		47	40-140			
Nitrobenzene	1.18	0.250	mg/kg wet	2.500		47	40-140			
N-Nitrosodimethylamine	1.12	0.250	mg/kg wet	2.500		45	40-140			
N-Nitroso-Di-n-Propylamine	1.05	0.250	mg/kg wet	2.500		42	40-140			
N-nitrosodiphenylamine	1.56	0.250	mg/kg wet	2.500		62	40-140			
Pentachlorophenol	1.90	1.25	mg/kg wet	2.500		76	30-130			
Phenanthrene	1.57	0.250	mg/kg wet	2.500		63	40-140			
Phenol	1.33	0.250	mg/kg wet	2.500		53	30-130			
Pyrene	1.78	0.250	mg/kg wet	2.500		71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Pyridine	0.940	1.25	mg/kg wet	2.500		38	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.17*		mg/kg wet	*2.500*		*47*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.73*		mg/kg wet	*3.750*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.31*		mg/kg wet	*2.500*		*52*	*30-130*			
Surrogate: 2-Fluorophenol	*1.75*		mg/kg wet	*3.750*		*47*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.19*		mg/kg wet	*2.500*		*48*	*30-130*			
Surrogate: Phenol-d6	*2.15*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.75*		mg/kg wet	*2.500*		*70*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.73	0.250	mg/kg wet	2.500		69	40-140	16	30	
1,2,4-Trichlorobenzene	1.37	0.250	mg/kg wet	2.500		55	40-140	9	30	
1,2-Dichlorobenzene	1.30	0.250	mg/kg wet	2.500		52	40-140	2	30	
1,3-Dichlorobenzene	1.25	0.250	mg/kg wet	2.500		50	40-140	2	30	
1,4-Dichlorobenzene	1.31	0.250	mg/kg wet	2.500		53	40-140	8	30	
2,3,4,6-Tetrachlorophenol	1.97	1.25	mg/kg wet	2.500		79	30-130	7	30	
2,4,5-Trichlorophenol	1.79	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4,6-Trichlorophenol	1.71	0.250	mg/kg wet	2.500		68	30-130	11	30	
2,4-Dichlorophenol	1.59	0.250	mg/kg wet	2.500		64	30-130	9	30	
2,4-Dimethylphenol	1.48	0.250	mg/kg wet	2.500		59	30-130	13	30	
2,4-Dinitrophenol	0.804	1.25	mg/kg wet	2.500		32	30-130	40	30	D+
2,4-Dinitrotoluene	1.95	0.250	mg/kg wet	2.500		78	40-140	15	30	
2,6-Dinitrotoluene	1.75	0.250	mg/kg wet	2.500		70	40-140	14	30	
2-Chloronaphthalene	1.23	0.250	mg/kg wet	2.500		49	40-140	12	30	
2-Chlorophenol	1.30	0.250	mg/kg wet	2.500		52	30-130	6	30	
2-Methylnaphthalene	1.45	0.250	mg/kg wet	2.500		58	40-140	11	30	
2-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130	10	30	
2-Nitroaniline	1.01	0.250	mg/kg wet	2.500		41	40-140	1	30	
2-Nitrophenol	1.45	0.250	mg/kg wet	2.500		58	30-130	15	30	
3,3'-Dichlorobenzidine	2.00	0.500	mg/kg wet	2.500		80	40-140	7	30	
3+4-Methylphenol	1.39	0.500	mg/kg wet	5.000		28	30-130	51	30	B-, D+
3-Nitroaniline	1.85	0.250	mg/kg wet	2.500		74	40-140	13	30	
4,6-Dinitro-2-Methylphenol	1.46	1.25	mg/kg wet	2.500		58	30-130	41	30	D+
4-Bromophenyl-phenylether	1.68	0.250	mg/kg wet	2.500		67	40-140	12	30	
4-Chloro-3-Methylphenol	1.73	0.250	mg/kg wet	2.500		69	30-130	11	30	
4-Chloroaniline	0.905	0.500	mg/kg wet	2.500		36	40-140	10	30	B-
4-Chloro-phenyl-phenyl ether	1.73	0.250	mg/kg wet	2.500		69	40-140	11	30	
4-Nitroaniline	1.91	0.250	mg/kg wet	2.500		77	40-140	11	30	
4-Nitrophenol	1.95	1.25	mg/kg wet	2.500		78	30-130	9	30	
Acenaphthene	1.60	0.250	mg/kg wet	2.500		64	40-140	13	30	
Acenaphthylene	1.49	0.250	mg/kg wet	2.500		60	40-140	9	30	
Acetophenone	1.48	0.500	mg/kg wet	2.500		59	40-140	11	30	
Aniline	0.828	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Anthracene	1.72	0.250	mg/kg wet	2.500		69	40-140	11	30	
Azobenzene	1.64	0.250	mg/kg wet	2.500		66	40-140	13	30	
Benzo(a)anthracene	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Benzo(a)pyrene	1.87	0.125	mg/kg wet	2.500		75	40-140	7	30	
Benzo(b)fluoranthene	2.05	0.250	mg/kg wet	2.500		82	40-140	10	30	
Benzo(g,h,i)perylene	1.92	0.250	mg/kg wet	2.500		77	40-140	3	30	
Benzo(k)fluoranthene	1.94	0.250	mg/kg wet	2.500		78	40-140	4	30	
Benzoic Acid	0.271	1.25	mg/kg wet	2.500		11	40-140	200	30	B-, D+
Benzyl Alcohol	1.44	0.250	mg/kg wet	2.500		58	40-140	9	30	
bis(2-Chloroethoxy)methane	1.21	0.250	mg/kg wet	2.500		48	40-140	9	30	
bis(2-Chloroethyl)ether	1.50	0.250	mg/kg wet	2.500		60	40-140	8	30	
bis(2-chloroisopropyl)Ether	1.29	0.250	mg/kg wet	2.500		52	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	
Butylbenzylphthalate	1.99	0.250	mg/kg wet	2.500		80	40-140	7	30	
Carbazole	1.93	0.250	mg/kg wet	2.500		77	40-140	7	30	
Chrysene	1.96	0.125	mg/kg wet	2.500		78	40-140	5	30	
Dibenzo(a,h)Anthracene	1.96	0.125	mg/kg wet	2.500		78	40-140	7	30	
Dibenzofuran	1.59	0.250	mg/kg wet	2.500		63	40-140	10	30	
Diethylphthalate	1.67	0.250	mg/kg wet	2.500		67	40-140	13	30	
Dimethylphthalate	1.74	0.250	mg/kg wet	2.500		70	40-140	11	30	
Di-n-butylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140	9	30	
Di-n-octylphthalate	1.83	0.250	mg/kg wet	2.500		73	40-140	5	30	
Fluoranthene	1.97	0.250	mg/kg wet	2.500		79	40-140	8	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	12	30	
Hexachlorobenzene	1.65	0.125	mg/kg wet	2.500		66	40-140	14	30	
Hexachlorobutadiene	1.34	0.250	mg/kg wet	2.500		54	40-140	10	30	
Hexachlorocyclopentadiene	0.835	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Hexachloroethane	1.25	0.250	mg/kg wet	2.500		50	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	1.95	0.250	mg/kg wet	2.500		78	40-140	5	30	
Isophorone	1.32	0.250	mg/kg wet	2.500		53	40-140	6	30	
Naphthalene	1.34	0.250	mg/kg wet	2.500		54	40-140	12	30	
Nitrobenzene	1.35	0.250	mg/kg wet	2.500		54	40-140	14	30	
N-Nitrosodimethylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	5	30	
N-Nitroso-Di-n-Propylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	12	30	
N-nitrosodiphenylamine	1.76	0.250	mg/kg wet	2.500		71	40-140	12	30	
Pentachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130	16	30	
Phenanthrene	1.79	0.250	mg/kg wet	2.500		71	40-140	13	30	
Phenol	1.38	0.250	mg/kg wet	2.500		55	30-130	3	30	
Pyrene	1.86	0.250	mg/kg wet	2.500		74	40-140	4	30	
Pyridine	0.976	1.25	mg/kg wet	2.500		39	40-140	4	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.24*		mg/kg wet	*2.500*		*50*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.59*		mg/kg wet	*3.750*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.91*		mg/kg wet	*3.750*		*51*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.42*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: 2-Fluorophenol	*1.89*		mg/kg wet	*3.750*		*50*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.33*		mg/kg wet	*2.500*		*53*	*30-130*			
Surrogate: Phenol-d6	*2.42*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.91*		mg/kg wet	*2.500*		*77*	*30-130*			

Matrix Spike **Source: 0801234-03**

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
1,1-Biphenyl	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
1,2,4-Trichlorobenzene	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
1,2-Dichlorobenzene	1.87	0.387	mg/kg dry	3.876	ND	48	40-140			
1,3-Dichlorobenzene	1.82	0.387	mg/kg dry	3.876	ND	47	40-140			
1,4-Dichlorobenzene	1.88	0.387	mg/kg dry	3.876	ND	49	40-140			
2,3,4,6-Tetrachlorophenol	3.19	1.94	mg/kg dry	3.876	ND	82	30-130			
2,4,5-Trichlorophenol	2.67	0.387	mg/kg dry	3.876	ND	69	30-130			
2,4,6-Trichlorophenol	2.82	0.387	mg/kg dry	3.876	ND	73	30-130			
2,4-Dichlorophenol	2.38	0.387	mg/kg dry	3.876	ND	61	30-130			
2,4-Dimethylphenol	2.13	0.387	mg/kg dry	3.876	ND	55	30-130			
2,4-Dinitrophenol	0.945	1.94	mg/kg dry	3.876	ND	24	30-130			M-
2,4-Dinitrotoluene	2.64	0.387	mg/kg dry	3.876	ND	68	40-140			
2,6-Dinitrotoluene	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
2-Chloronaphthalene	1.76	0.387	mg/kg dry	3.876	ND	45	40-140			
2-Chlorophenol	1.93	0.387	mg/kg dry	3.876	ND	50	30-130			
2-Methylnaphthalene	2.05	0.387	mg/kg dry	3.876	0.0744	51	40-140			
2-Methylphenol	2.15	0.387	mg/kg dry	3.876	ND	55	30-130			
2-Nitroaniline	3.03	0.387	mg/kg dry	3.876	ND	78	40-140			
2-Nitrophenol	2.09	0.387	mg/kg dry	3.876	ND	54	30-130			
3,3'-Dichlorobenzidine	2.81	0.776	mg/kg dry	3.876	ND	72	40-140			
3+4-Methylphenol	3.47	0.776	mg/kg dry	7.752	ND	45	30-130			
3-Nitroaniline	2.54	0.387	mg/kg dry	3.876	ND	66	40-140			
4,6-Dinitro-2-Methylphenol	1.46	1.94	mg/kg dry	3.876	ND	38	30-130			
4-Bromophenyl-phenylether	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
4-Chloro-3-Methylphenol	2.56	0.387	mg/kg dry	3.876	ND	66	30-130			
4-Chloroaniline	1.70	0.776	mg/kg dry	3.876	ND	44	40-140			
4-Chloro-phenyl-phenyl ether	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
4-Nitroaniline	2.57	0.387	mg/kg dry	3.876	ND	66	40-140			
4-Nitrophenol	0.320	1.94	mg/kg dry	3.876	ND	8	30-130			M-
Acenaphthene	2.45	0.387	mg/kg dry	3.876	0.112	60	40-140			
Acenaphthylene	2.14	0.387	mg/kg dry	3.876	0.0864	53	40-140			
Acetophenone	2.04	0.776	mg/kg dry	3.876	ND	53	40-140			
Aniline	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Anthracene	2.75	0.387	mg/kg dry	3.876	0.126	68	40-140			
Azobenzene	2.25	0.387	mg/kg dry	3.876	ND	58	40-140			
Benzo(a)anthracene	3.32	0.387	mg/kg dry	3.876	0.497	73	40-140			
Benzo(a)pyrene	2.92	0.194	mg/kg dry	3.876	0.469	63	40-140			
Benzo(b)fluoranthene	3.43	0.387	mg/kg dry	3.876	0.403	78	40-140			
Benzo(g,h,i)perylene	2.57	0.387	mg/kg dry	3.876	0.322	58	40-140			
Benzo(k)fluoranthene	2.20	0.387	mg/kg dry	3.876	0.161	52	40-140			
Benzoic Acid	ND	1.94	mg/kg dry	3.876	ND		40-140			M-
Benzyl Alcohol	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
bis(2-Chloroethoxy)methane	1.89	0.387	mg/kg dry	3.876	ND	49	40-140			
bis(2-Chloroethyl)ether	2.27	0.387	mg/kg dry	3.876	ND	58	40-140			
bis(2-chloroisopropyl)Ether	1.85	0.387	mg/kg dry	3.876	ND	48	40-140			
bis(2-Ethylhexyl)phthalate	2.81	0.387	mg/kg dry	3.876	0.0376	71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Butylbenzylphthalate	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
Carbazole	2.86	0.387	mg/kg dry	3.876	ND	74	40-140			
Chrysene	3.14	0.194	mg/kg dry	3.876	0.516	68	40-140			
Dibenzo(a,h)Anthracene	2.68	0.194	mg/kg dry	3.876	0.107	66	40-140			
Dibenzofuran	2.64	0.387	mg/kg dry	3.876	0.0988	66	40-140			
Diethylphthalate	2.43	0.387	mg/kg dry	3.876	ND	63	40-140			
Dimethylphthalate	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
Di-n-butylphthalate	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
Di-n-octylphthalate	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
Fluoranthene	3.94	0.387	mg/kg dry	3.876	0.944	77	40-140			
Fluorene	2.58	0.387	mg/kg dry	3.876	0.112	64	40-140			
Hexachlorobenzene	2.74	0.194	mg/kg dry	3.876	ND	71	40-140			
Hexachlorobutadiene	2.02	0.387	mg/kg dry	3.876	ND	52	40-140			
Hexachlorocyclopentadiene	0.602	1.94	mg/kg dry	3.876	ND	16	40-140			M-
Hexachloroethane	1.74	0.387	mg/kg dry	3.876	ND	45	40-140			
Indeno(1,2,3-cd)Pyrene	2.78	0.387	mg/kg dry	3.876	0.303	64	40-140			
Isophorone	1.94	0.387	mg/kg dry	3.876	ND	50	40-140			
Naphthalene	1.97	0.387	mg/kg dry	3.876	0.0543	49	40-140			
Nitrobenzene	1.98	0.387	mg/kg dry	3.876	ND	51	40-140			
N-Nitrosodimethylamine	1.80	0.387	mg/kg dry	3.876	ND	46	40-140			
N-Nitroso-Di-n-Propylamine	1.81	0.387	mg/kg dry	3.876	ND	47	40-140			
N-nitrosodiphenylamine	3.56	0.387	mg/kg dry	3.876	ND	92	40-140			
Pentachlorophenol	3.28	1.94	mg/kg dry	3.876	ND	85	30-130			
Phenanthrene	3.49	0.387	mg/kg dry	3.876	0.669	73	40-140			
Phenol	2.02	0.387	mg/kg dry	3.876	ND	52	30-130			
Pyrene	3.34	0.387	mg/kg dry	3.876	0.836	64	40-140			
Pyridine	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Surrogate: 1,2-Dichlorobenzene-d4	*1.67*		mg/kg dry	*3.876*		*43*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.03*		mg/kg dry	*5.814*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.69*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/kg dry	*3.876*		*55*	*30-130*			
Surrogate: 2-Fluorophenol	*2.66*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.95*		mg/kg dry	*3.876*		*50*	*30-130*			
Surrogate: Phenol-d6	*3.34*		mg/kg dry	*5.814*		*58*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.65*		mg/kg dry	*3.876*		*68*	*30-130*			
Matrix Spike Dup Source: 0801234-03										**DM**
1,1-Biphenyl	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	17	30	
1,2,4-Trichlorobenzene	1.87	0.380	mg/kg dry	2.660	ND	70	40-140	27	30	
1,2-Dichlorobenzene	1.84	0.380	mg/kg dry	2.660	ND	69	40-140	35	30	
1,3-Dichlorobenzene	1.75	0.380	mg/kg dry	2.660	ND	66	40-140	33	30	
1,4-Dichlorobenzene	1.79	0.380	mg/kg dry	2.660	ND	67	40-140	32	30	
2,3,4,6-Tetrachlorophenol	1.87	1.90	mg/kg dry	2.660	ND	70	30-130	16	30	
2,4,5-Trichlorophenol	2.19	0.380	mg/kg dry	2.660	ND	82	30-130	18	30	
2,4,6-Trichlorophenol	2.23	0.380	mg/kg dry	2.660	ND	84	30-130	14	30	
2,4-Dichlorophenol	2.10	0.380	mg/kg dry	2.660	ND	79	30-130	25	30	
2,4-Dimethylphenol	2.03	0.380	mg/kg dry	2.660	ND	76	30-130	32	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
2,4-Dinitrophenol	0.506	1.90	mg/kg dry	2.660	ND	19	30-130	25	30	M-
2,4-Dinitrotoluene	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
2,6-Dinitrotoluene	2.19	0.380	mg/kg dry	2.660	ND	82	40-140	30	30	
2-Chloronaphthalene	1.63	0.380	mg/kg dry	2.660	ND	61	40-140	30	30	
2-Chlorophenol	1.90	0.380	mg/kg dry	2.660	ND	72	30-130	36	30	
2-Methylnaphthalene	1.95	0.380	mg/kg dry	2.660	0.0744	71	40-140	32	30	
2-Methylphenol	1.90	0.380	mg/kg dry	2.660	ND	71	30-130	25	30	
2-Nitroaniline	2.48	0.380	mg/kg dry	2.660	ND	93	40-140	18	30	
2-Nitrophenol	2.04	0.380	mg/kg dry	2.660	ND	77	30-130	35	30	
3,3´-Dichlorobenzidine	2.38	0.760	mg/kg dry	2.660	ND	90	40-140	21	30	
3+4-Methylphenol	3.78	0.760	mg/kg dry	5.320	ND	71	30-130	45	30	
3-Nitroaniline	2.28	0.380	mg/kg dry	2.660	ND	86	40-140	27	30	
4,6-Dinitro-2-Methylphenol	1.03	1.90	mg/kg dry	2.660	ND	39	30-130	3	30	
4-Bromophenyl-phenylether	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	34	30	
4-Chloro-3-Methylphenol	2.32	0.380	mg/kg dry	2.660	ND	87	30-130	28	30	
4-Chloroaniline	1.48	0.760	mg/kg dry	2.660	ND	56	40-140	24	30	
4-Chloro-phenyl-phenyl ether	1.97	0.380	mg/kg dry	2.660	ND	74	40-140	7	30	
4-Nitroaniline	3.48	0.380	mg/kg dry	2.660	ND	131	40-140	65	30	
4-Nitrophenol	2.57	1.90	mg/kg dry	2.660	ND	96	30-130	168	30	
Acenaphthene	2.21	0.380	mg/kg dry	2.660	0.112	79	40-140	27	30	
Acenaphthylene	1.95	0.380	mg/kg dry	2.660	0.0864	70	40-140	28	30	
Acetophenone	1.98	0.760	mg/kg dry	2.660	ND	74	40-140	34	30	
Aniline	0.926	1.90	mg/kg dry	2.660	ND	35	40-140	3	30	M-
Anthracene	2.94	0.380	mg/kg dry	2.660	0.126	106	40-140	44	30	
Azobenzene	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	43	30	
Benzo(a)anthracene	3.58	0.380	mg/kg dry	2.660	0.497	116	40-140	46	30	
Benzo(a)pyrene	2.99	0.190	mg/kg dry	2.660	0.469	95	40-140	40	30	
Benzo(b)fluoranthene	3.10	0.380	mg/kg dry	2.660	0.403	101	40-140	26	30	
Benzo(g,h,i)perylene	1.92	0.380	mg/kg dry	2.660	0.322	60	40-140	3	30	
Benzo(k)fluoranthene	2.98	0.380	mg/kg dry	2.660	0.161	106	40-140	67	30	
Benzoic Acid	0.814	1.90	mg/kg dry	2.660	ND	31	40-140	200	30	M-
Benzyl Alcohol	2.09	0.380	mg/kg dry	2.660	ND	78	40-140	38	30	
bis(2-Chloroethoxy)methane	2.01	0.380	mg/kg dry	2.660	ND	76	40-140	44	30	
bis(2-Chloroethyl)ether	1.78	0.380	mg/kg dry	2.660	ND	67	40-140	13	30	
bis(2-chloroisopropyl)Ether	1.70	0.380	mg/kg dry	2.660	ND	64	40-140	29	30	
bis(2-Ethylhexyl)phthalate	2.88	0.380	mg/kg dry	2.660	0.0376	107	40-140	40	30	
Butylbenzylphthalate	2.65	0.380	mg/kg dry	2.660	ND	100	40-140	37	30	
Carbazole	2.95	0.380	mg/kg dry	2.660	ND	111	40-140	40	30	
Chrysene	3.62	0.190	mg/kg dry	2.660	0.516	117	40-140	53	30	
Dibenzo(a,h)Anthracene	1.85	0.190	mg/kg dry	2.660	0.107	65	40-140	2	30	
Dibenzofuran	1.92	0.380	mg/kg dry	2.660	0.0988	68	40-140	4	30	
Diethylphthalate	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	26	30	
Dimethylphthalate	1.85	0.380	mg/kg dry	2.660	ND	69	40-140	14	30	
Di-n-butylphthalate	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
Di-n-octylphthalate	3.15	0.380	mg/kg dry	2.660	ND	119	40-140	60	30	
Fluoranthene	4.62	0.380	mg/kg dry	2.660	0.944	138	40-140	57	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Fluorene	2.33	0.380	mg/kg dry	2.660	0.112	84	40-140	27	30	
Hexachlorobenzene	2.22	0.190	mg/kg dry	2.660	ND	84	40-140	17	30	
Hexachlorobutadiene	1.83	0.380	mg/kg dry	2.660	ND	69	40-140	28	30	
Hexachlorocyclopentadiene	0.866	1.90	mg/kg dry	2.660	ND	33	40-140	71	30	M-
Hexachloroethane	1.73	0.380	mg/kg dry	2.660	ND	65	40-140	36	30	
Indeno(1,2,3-cd)Pyrene	2.07	0.380	mg/kg dry	2.660	0.303	66	40-140	4	30	
Isophorone	1.95	0.380	mg/kg dry	2.660	ND	73	40-140	38	30	
Naphthalene	1.93	0.380	mg/kg dry	2.660	0.0543	70	40-140	35	30	
Nitrobenzene	1.99	0.380	mg/kg dry	2.660	ND	75	40-140	38	30	
N-Nitrosodimethylamine	2.12	0.380	mg/kg dry	2.660	ND	80	40-140	53	30	
N-Nitroso-Di-n-Propylamine	2.15	0.380	mg/kg dry	2.660	ND	81	40-140	54	30	
N-nitrosodiphenylamine	3.09	0.380	mg/kg dry	2.660	ND	116	40-140	24	30	
Pentachlorophenol	1.96	1.90	mg/kg dry	2.660	ND	74	30-130	14	30	
Phenanthrene	4.40	0.380	mg/kg dry	2.660	0.669	140	40-140	64	30	
Phenol	1.50	0.380	mg/kg dry	2.660	ND	56	30-130	8	30	
Pyrene	3.93	0.380	mg/kg dry	2.660	0.836	116	40-140	57	30	
Pyridine	1.58	1.90	mg/kg dry	2.660	ND	59	40-140	55	30	
Surrogate: 1,2-Dichlorobenzene-d4	*0.879*		mg/kg dry	*3.800*		*23*	*30-130*			*S-*
Surrogate: 2,4,6-Tribromophenol	*3.66*		mg/kg dry	*5.700*		*64*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.12*		mg/kg dry	*5.700*		*37*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.24*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: 2-Fluorophenol	*1.94*		mg/kg dry	*5.700*		*34*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.27*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: Phenol-d6	*2.21*		mg/kg dry	*5.700*		*39*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.85*		mg/kg dry	*3.800*		*75*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-	Surrogate recovery(ies) below lower control limit.
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
DM	Majority of compounds are outside crtieria for RPD due to matrix interferences.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required# *

Reporting Limits: see note below

ESS LAB PROJECT ID: 0801234

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other ___

Electronic Deliverable ✓ Yes ___ No

Is this project for any of the following:
MA-MCP (Navy) USACE Other ___

Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name	Project #	Project Name (20 Char. or less)
TK+K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 664-0086		lawrence.kahrs@TKK.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 VOA	VPH w/targets / 8015 GRO / 8021 MTBE/BTEX	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)	Flashpoint				
/	*1/17/08	1530		X	WW	OFFTA-WC-OW	1	1	G					✓		✓			✓				
01	1/17/08	1630		X	S	OFFTA-~~WC~~ BF	1/6	3	G		✓	✓											
02	1/17/08	1630		X	S	OFFTA-TS	1/6	3	G		✓	✓											
/	*1/18/08	1430		X	WW	OFFTA-WC-OW	2	2	G	✓													
03	1/18/08	1415	X		S	OFFTA-WC02	1/6	5	G	✓		✓		✓	✓	✓							
04	↓	1400	X		S	OFFTA-A-B5	1					✓											
05		↓	X		S	OFFTA-A-B8	1					✓											
06	↓	↓	X		S	OFFTA-WC01	1					✓											
						OFFTA-BF	ASTM D522 (sieve) D698 (standard proctor)																
	* 2-day TA per telephone discussion / Liz Ovk 1/18/08																						

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___

Sampled by: L. Kahrs

Comments: Includes geotech sample in 5-gallon bucket

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 1600	[signature]	1-18 1600	[signature]	1/18/08 1605	[signature]	1/18/08 1605
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 17:00	[signature]	1-18-08 1700				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

APPENDIX K

TCLP LEAD AND SOIL TREATMENT ANALYTICAL RESULTS

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802109

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 11, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 08, 2008 for the analyses specified on the enclosed Chain of Custody Record.
Sample 0802109-01 was originally received on January 8, 2008 as ESS Laboratory sample ID 0801234-03. Samples 0802109-02 and 0802109-03 were originally received on January 30, 2008 as ESS Laboratory sample IDs 0801363-01 and 0801363-02, respectively.

Laboratory ID	Matrix	Client SampleID
0802109-01	Soil	OFFTA-WC02
0802109-02	Soil	OFFTA-WC09
0802109-03	Soil	OFFTA-WC10

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802109

PROJECT NARRATIVE

1311/6000/7000 TCLP Metals

0802109-01	**Reduced weight used for TCLP Extraction.**
	Lead
0802109-02	**Reduced weight used for TCLP Extraction.**
	Lead
0802109-03	**Reduced weight used for TCLP Extraction.**
	Lead

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: N/A

ESS Laboratory Work Order: 0802109
ESS Laboratory Sample ID: 0802109-01
Sample Matrix: Soil

TCLP Date: 2/8/08

1311/6000/7000 TCLP Metals

Analyte		Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	RW	**0.261**	mg/L	0.020	1311/6010B	5	1	SVD	02/09/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC09
Date Sampled: 01/30/08 15:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802109
ESS Laboratory Sample ID: 0802109-02
Sample Matrix: Soil

TCLP Date: 2/8/08

1311/6000/7000 TCLP Metals

Analyte		Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	RW	**7.18**	mg/L	0.020	1311/6010B	5	1	SVD	02/09/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC10
Date Sampled: 01/30/08 15:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802109
ESS Laboratory Sample ID: 0802109-03
Sample Matrix: Soil

TCLP Date: 2/8/08

1311/6000/7000 TCLP Metals

Analyte		Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	RW	**5.54**	mg/L	0.020	1311/6010B	5	1	SVD	02/09/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802109

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals										
Batch BB80905 - 3005A										
Blank										
Lead	ND	0.020	mg/L							
LCS										
Lead	0.524	0.020	mg/L	0.5000		105	80-120			
LCS Dup										
Lead	0.538	0.020	mg/L	0.5000		108	80-120	3	20	

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802109

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802109

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Elizabeth Ouk

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Friday, February 08, 2008 2:00 PM
To: Elizabeth Ouk
Subject: RE: Newport OFFTA sampling
Follow Up Flag: Follow up
Flag Status: Red
Attachments: image001.jpg

Yes – and please ask your folks to re-check the TCLP results for WC-08 again. Total was reported at 4770 ppm and the TCLP came in ND – looks suspect.

TK&K SERVICES
Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Elizabeth Ouk [mailto:EOuk@thielsch.com]
Sent: Friday, February 08, 2008 1:55 PM
To: Lawrence Kahrs
Subject: RE: Newport OFFTA sampling

Hi Larry,

Requested received. I will have to check to see if we have enough samples to run the TCLP Lead. If we do not have enough would you like to continue running them under the reduce volume?

Liz Ouk

From: Lawrence Kahrs [mailto:lawrence.kahrs@tkandk.com]
Sent: Friday, February 08, 2008 1:39 PM
To: Elizabeth Ouk
Subject: Newport OFFTA sampling

Liz,

I just picked up the results posted today.

Please run the following samples for TCLP Lead – expedited TA:

WC-02
WC-09
WC-10

Please call with questions.

Thanks,

Larry

TK&K SERVICES

Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

ESS Laboratory

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Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

ESS 1 of 2

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required # *
State where samples were collected from: MA (RI) CT NH NJ NY ME Other ___
Is this project for any of the following: MA-MCP (Navy) USACE Other ___

Reporting Limits: see note below
ESS LAB PROJECT ID: ~~0801234~~ 0802109
Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name: TK+K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066
PO#:
Telephone #: (781) 664-0086
Fax #:
Email Address: lawrence.kahrs@TKK.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 VOA	VPH w/targets / 8015 GRO / 8021 MTBE/BTEX	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8081 Pesticides / 8082 PCB	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)	Flashpoint			
	*1/17/08	1530		X	WW	OFFTA-WC-OW	1	1	G					✓		✓			✓			
01	1/17/08	1630		X	S	OFFTA-~~WC~~ BF	1/6	3	G		✓	✓										
02	1/17/08	1630		X	S	OFFTA-TS	1/6	3	G		✓	✓										
	*1/18/08	1430		X	WW	OFFTA-WC-OW	2	2	G	✓												
01 03	1/18/08	1415	X		S	OFFTA-WC02	1/6	5	G	✓		✓		✓	✓	✓						
04		1400	X		S	OFFTA-A-B5	1					✓										
05			X		S	OFFTA-A-B8	1					✓										
06			X		S	OFFTA-WC01	1					✓										
						OFFTA-BF	ASTM D522 (sieve) D698 (standard proctor)															

* 2-day TAT per telephone discussion / Liz Ouk 1/18/08

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___
Sampled by: L. Kahrs
Comments: Includes geotech sample in 5-gallon bucket

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 1600	[signature]	1-18 4:08	[signature]	1/18/08 16:05	[signature]	1/18/08 16:05
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 17:00	[signature]	1-18-08 1700				

*By circling MA-MCP, client acknowledges samples were collected in compliance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS 3 of 3

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other see below
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits JTD 2608
ESS LAB PROJECT ID ~~0801343~~
Electronic Deliverable ___ Yes ___ No
Format: Excel ___ Access ___ PDF ✓ Other ~~0802049~~

Co. Name: TK&K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address:
City: Scituate State: MA Zip: 02066-4427
PO#:
Telephone #:
Fax #:
Email Address:

Circle and/or Write Required Analysis 0802109

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO / EPH w/PAHs	EPH w/o PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	pH	Flashpoint	JTD 2608	
0205 1	1/30/08	1500	X		S	OFFTA-WC09	1	1	G			X							X	X		2-day TT
0300 2	↓	↓	↓		S	OFFTA-WC10	1	1	G			X							X	X		
						OFFTA-WC11	1	1	G			X								X		5-day TT

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by: L. Kahrs
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1543 1/30/08	[signature]	1/30/08 1543	[signature]	1/30/08 16:55	[signature]	1/30/08 16:55
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801368

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 07, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 31, 2008 for the analyses specified on the enclosed Chain of Custody Record. **This sample was originally received on January 23, 2008 as ESS Laboratory sample ID 0801267-01.**

Laboratory ID	Matrix	Client SampleID
0801368-01	Soil	OFFTA-WC03

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801368

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: N/A

ESS Laboratory Work Order: 0801368
ESS Laboratory Sample ID: 0801368-01
Sample Matrix: Soil

TCLP Date: 1/31/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**3.46**	mg/L	0.020	1311/6010B	5	1	KAB	02/04/08	50	50

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801368

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals										
Batch BB80203 - 3005A										
Blank										
Lead	ND	0.020	mg/L							
Blank										
Lead	ND	0.020	mg/L							
LCS										
Lead	0.531	0.020	mg/L	0.5000		106	80-120			
LCS Dup										
Lead	0.532	0.020	mg/L	0.5000		106	80-120	0.1	20	

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801368

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801368

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

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Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required #
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other
Is this project for any of the following:
MA-MCP Navy USACE Other

Reporting Limits STD 1-31-08

ESS LAB PROJECT ID ~~0801267~~ 0801368

Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ___ Other

Co. Name: TK&K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066
PO#:
Telephone #:
Fax #:
Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO / EPH w/ Diesel	EPH w/o PAHs / EPH w/PAHs	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA / NBC7	MCP-METALS (13) w/dig. / MCP-METALS (13)					
01	1/18/08	1500	X		S	OFFTA-WC03	1/6	5	G	✓		✓		✓	✓	✓							
2	1/22/08	1530	X		S	OFFTA-A-B15	1	1	G			✓											
3	1/22/08	1530	X		S	OFFTA-A-S6	1	1	G			✓											
STD	1-31-08																						

re-submit sample # ESS 0801267-01 (OFFTA-WC03 for TCLP Pb per verbal direction 1/30/08 5 day TA

Container Type: P-Poly G-Glass S-Sterile V-VOA
Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water ~~DW-Drinking Water~~ O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA ✓
Cooler Temp: 8.2°C

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/08 1037	[signature]	1038 11/23	[signature]	1/23/08 9:30	[signature]	1-23-08 1430
[signature]	1/23/08 1130	[signature]	1/23/07 11:30	[signature]	1/23/08 11:30	[signature]	1-23-08 1430

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802049

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 08, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 06, 2008 for the analyses specified on the enclosed Chain of Custody Record.
Samples 0802049-01 and 0802049-02 were originall received on January 20, 2008 as ESS Laboratory Work Order Number 0801299. Sample 0802049-03 was originall received on January 25, 2008 as ESS Laboratory Work Order Number 0801324. Sample 0802049-04 was originall received on January 29, 2008 as ESS Laboratory Work Order Number 0801349. Samples 0802049-05 and 0802049-06 were originall received on January 30, 2008 as ESS Laboratory Work Order Number 0801363.

Laboratory ID	Matrix	Client SampleID
0802049-01	Soil	OFFTA-WC06
0802049-02	Soil	OFFTA-WC05
0802049-03	Soil	OFFTA-WC07
0802049-04	Soil	OFFTA-WC08
0802049-05	Soil	OFFTA-WC09

ESS Laboratory
Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802049

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-01
Sample Matrix: Soil

TCLP Date: 2/6/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**8.54**	mg/L	0.200	1311/6010B	5	1	SVD	02/07/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-02
Sample Matrix: Soil

TCLP Date: 2/6/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**2.51**	mg/L	0.200	1311/6010B	5	1	SVD	02/07/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/25/08 14:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-03
Sample Matrix: Soil

TCLP Date: 2/6/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**15.9**	mg/L	0.200	1311/6010B	5	1	SVD	02/07/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: N/A

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-04
Sample Matrix: Soil

TCLP Date: 2/6/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.200	1311/6010B	5	1	SVD	02/07/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC09
Date Sampled: 01/30/08 15:00
Percent Solids: 85

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**1320**	mg/kg dry	7.7	6010B	150	1	SVD	02/06/08	1.52	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC10
Date Sampled: 01/30/08 15:00
Percent Solids: 79

ESS Laboratory Work Order: 0802049
ESS Laboratory Sample ID: 0802049-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

RI - RES DEC

Analyte	Results	Units	MRL	Method	Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**1580**	mg/kg dry	8.1	6010B	150	1	SVD	02/06/08	1.56	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802049

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals										
Batch BB80709 - 3005A										
Blank										
Lead	ND	0.020	mg/L							
LCS										
Lead	0.496	0.020	mg/L	0.5000		99	80-120			
LCS Dup										
Lead	0.489	0.020	mg/L	0.5000		98	80-120	1	20	
3050B/6000/7000 Total Metals										
Batch BB80610 - 3050B										
Blank										
Lead	ND	6.7	mg/kg wet							
LCS										
Lead	34.4	6.7	mg/kg wet	33.33		103	80-120			
LCS Dup										
Lead	34.2	6.7	mg/kg wet	33.33		103	80-120	0.5	20	
Reference										
Lead	87.9	10.0	mg/kg wet	88.90		99	81.78-118.11			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802049

Notes and Definitions

U	Analyte included in the analysis, but not detected
R-	Standard Reference Material is biased low.
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802049

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Elizabeth Ouk

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Wednesday, February 06, 2008 1:23 PM
To: Elizabeth Ouk
Subject: RE: Relog for TCLP Lead

Liz,

Confirmed with the following notes:

Sample ID OFFTA–WC-11 does not need TCLP Lead analysis
Please run total lead on samples OFFTA-WC-9 and 10 (these were originally submitted only for TPH, pH and flash

Thanks,

Larry

TK&K SERVICES

Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Elizabeth Ouk [mailto:EOuk@thielsch.com]
Sent: Wednesday, February 06, 2008 12:47 PM
To: Lawrence Kahrs
Subject: Relog for TCLP Lead

Hi Larry,

Please reply to confirm your request to run TCLP Lead on a 2 Day TAT for listed samples.

OFFTA-WC05 – ESS work order 0801299-05
OFFTA-WC06 – ESS work order 0801299-06
OFFTA-WC07 – ESS work order 0801324-04
OFFTA-WC08 – ESS work order 0801349-03
OFFTA-WC09 – ESS work order 0801363-01
OFFTA-WC10 – ESS work order 0801363-02
~~*OFFTA-WC11 – ESS work order 0801364-01*~~

Thank you,

Elizabeth Ouk
ESS Laboratory

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA RI CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP Navy USACE Other_____

Reporting Limits JM 2/08

ESS LAB PROJECT ID ~~0801299~~ 0802049

Electronic Deliverable X Yes ___ No
Format: Excel___ Access___ PDF X Other_____

Co. Name: TK & K Services
Project #:
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@tkk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624	8021 MTBE/BTEX / 8015 GRO / 524.2	8100 TPH / 8015 DRO / VPH w/targets	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg						
1	~~1/24/08 0900~~	0900	X		S	OFFTA-WC04	1	1	G			✓												
2		1130	X		S	OFFTA-B1-B4	↓	↓	↓			↓												
3					S	B1-4D																		
4					S	B2-B8																		
02 5	1/24/08	0900	X		S	OFFTA-WC05	1/6	5	G	✓		✓		✓	✓	✓								
01 6	↓	↓	X		S	OFFTA-WC06	1/6	5	G	✓		✓		✓	✓	✓								
				JTD 1-24-08																				

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA ✓
Cooler Temp: 5.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by: L. Kahrs
Comments: Probable high levels TPH in sample OFFTA-B2-B8

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/24/08 1550	Ralph Banks	1/24/08 1550	Ralph Banks	1/24/08 16:35	J. David	1-24-08 1635
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits JTO 2008
ESS LAB PROJECT ID ~~0801321~~ 0802049
Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF ✓ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
Tk & K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 664-0086		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 SVOA	VPH w/targets / 8015 GRO / 8021 MTBE/BTEX	8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8082 PCB / 8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	TAL23 / PP13 / RCRA8 / RCRAS	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)					
1	1/25/08	1400	X			OFFTA-B2-B2	1	1	G		~~X~~ X												
2	↓	↓	X			-B4	1	1	G		~~X~~ X												
3	↓	↓	X			-OFB2	1	1	G		~~X~~ X												
4	↓	↓	X			OFFTA-WC27	1/6	5	G	X	X			X	X	X							

03

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 2.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/25/08 1550	[signature]	1/25/08 15:50	[signature]	1/25/08 16:27	[signature]	1-25-08 1627
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP Navy USACE Other_____

Reporting Limits JTD 2-6-08
ESS LAB PROJECT ID ~~0801349~~ 0802049
Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF___ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TK&K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	624	524.2	8021 MTBE/BTEX	8015 GRO	VPH w/argas	8100 TPH	8015 DRO	EPH w/o PAHs	EPH w/PAHs	EPH 4 Diesel	8081 Pesticides	8082 PCB	608 Pesticides	608 PCB	8270 SVOA	625	PAH 8270	RCRA5	RCRA8	PP13 TAL23	TCLP-RCRA8	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg					
1	1/29/08	1200	X			OFFTA-B2-S4A	1	1	G							X																						
2	↓	↓	↓			OFFTA-B2-B4A	1	1	G							X																						
3						OFFTA-WC08	1/6	5	G	X						X					X		X		X			X											

04

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 1.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by: L. Kahrs
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/29/08	[signature]	1-29 1332	[signature]	1-29 0835	[signature]	1/29/08 15:35
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/29/08 16:30	[signature]	1-29-08 16:30				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

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Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other see below
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for ~~any of the~~ following: MA-MCP (Navy) USACE Other_____

Reporting Limits STD 2608

ESS LAB PROJECT ID ~~0801343~~ 0802049

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF ✓ Other

Co. Name	Project #	Project Name (20 Char. or less)
TK+K Services	1024	Newport OFFTA

Contact Person: L. Kahrs
Address:
City: Scituate State: MA Zip: 02066-4427 PO#:
Telephone #: Fax #: Email Address:

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/target	8100 TPH / 8015 DRO / EPH w/PAHs	EPH w/o PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
05 1	1/30/08	1500	X		S	OFFTA-WC09	1	1	G			X							X	X	2-day TT		
06 2	↓	↓	↓		S	OFFTA-WC10	1	1	G			X							X	X			
						OFFTA-WC11	1	1	G			X								X	5-day TT		

Flashpoint

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No Internal Use Only
Seals Intact ___ Yes ___ No NA: ✓ [ ] Pickup
Cooler Temp: 4.5°C [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by: L. Kahrs
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1543 1/30/08	[signature]	1/30/08 1543	[signature]	1/30/08 16:55	[signature]	1-30-08 16:55
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0803202

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 19, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on March 17, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803202-01	Soil	OFFTA-WC-14
0803202-02	Soil	OFFTA-WC-15

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

BRC0163-CCV1 **Continuing Calibration recovery is above upper control limit.**
1,4-Dioxane - Screen

8015M Gasoline Range Organics / Methanol

0803202-01 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
0803202-02 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

8270C Semi-Volatile Organic Compounds

BC81704-BS1 **Matrix Spike recovery is below lower control limit.**
4-Chloroaniline, Hexachlorocyclopentadiene
BC81704-BSD1 **Matrix Spike recovery is below lower control limit.**
4-Chloroaniline, Hexachlorocyclopentadiene
BRC0154-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Benzoic Acid
BRC0154-CCV1 **Continuing Calibration recovery is above upper control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

TCLP Date: 3/17/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	1.70	mg/L	0.200	1311/6010B	5	1	SVD	03/18/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Arsenic	ND	mg/kg dry	3.3	6010B	7	1	SVD	03/17/08	1.8	100
Barium	**27.6**	mg/kg dry	3.3	6010B	5500	1	SVD	03/17/08	1.8	100
Cadmium	ND	mg/kg dry	0.67	6010B	39	1	SVD	03/17/08	1.8	100
Chromium	**10.4**	mg/kg dry	1.3	6010B	1400	1	SVD	03/17/08	1.8	100
Lead	**200**	mg/kg dry	6.7	6010B	150	1	SVD	03/17/08	1.8	100
Mercury	**0.118**	mg/kg dry	0.038	7471A	23	1	KAB	03/18/08	0.62	40
Selenium	ND	mg/kg dry	6.7	6010B	390	1	SVD	03/17/08	1.8	100
Silver	ND	mg/kg dry	0.67	6010B	200	1	SVD	03/17/08	1.8	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.133	0.0438	2.2	1	03/19/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0664	0.0173	540	1	03/19/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0664	0.0199	1.3	1	03/19/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0664	0.0212	3.6	1	03/19/08
1,1-Dichloroethane		ND	mg/kg dry	0.0664	0.0186	920	1	03/19/08
1,1-Dichloroethene		ND	mg/kg dry	0.0664	0.0159	0.2	1	03/19/08
1,1-Dichloropropene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0664	0.0146	96	1	03/19/08
1,2,4-Trimethylbenzene	*J*	**0.0292**	mg/kg dry	0.0664	0.0159		1	03/19/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.398	0.133	0.5	1	03/19/08
1,2-Dibromoethane		ND	mg/kg dry	0.0664	0.0146	0.01	1	03/19/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0146	510	1	03/19/08
1,2-Dichloroethane		ND	mg/kg dry	0.0664	0.0146	0.9	1	03/19/08
1,2-Dichloropropane		ND	mg/kg dry	0.0664	0.0186	1.9	1	03/19/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0159	430	1	03/19/08
1,3-Dichloropropane		ND	mg/kg dry	0.0664	0.0133		1	03/19/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0173	27	1	03/19/08
1,4-Dioxane - Screen		ND	mg/kg dry	6.64	3.32		1	03/19/08
1-Chlorohexane		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
2,2-Dichloropropane		ND	mg/kg dry	0.133	0.0332		1	03/19/08
2-Butanone		ND	mg/kg dry	1.66	0.332	10000	1	03/19/08
2-Chlorotoluene		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
2-Hexanone		ND	mg/kg dry	0.664	0.0929		1	03/19/08
4-Chlorotoluene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
4-Isopropyltoluene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.664	0.0929	1200	1	03/19/08
Acetone		ND	mg/kg dry	1.66	0.531	7800	1	03/19/08
Benzene		ND	mg/kg dry	0.0664	0.0199	2.5	1	03/19/08
Bromobenzene		ND	mg/kg dry	0.0664	0.0146		1	03/19/08
Bromochloromethane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Bromodichloromethane		ND	mg/kg dry	0.0664	0.0186	10	1	03/19/08
Bromoform		ND	mg/kg dry	0.0664	0.0212	81	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.133	0.0332	0.8	1	03/19/08
Carbon Disulfide		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Carbon Tetrachloride		ND	mg/kg dry	0.0664	0.0186	1.5	1	03/19/08
Chlorobenzene		ND	mg/kg dry	0.0664	0.0146	210	1	03/19/08
Chloroethane		ND	mg/kg dry	0.133	0.0438		1	03/19/08
Chloroform		ND	mg/kg dry	0.0664	0.0159	1.2	1	03/19/08
Chloromethane		ND	mg/kg dry	0.133	0.0212		1	03/19/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0664	0.0199	630	1	03/19/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0664	0.0146		1	03/19/08
Dibromochloromethane		ND	mg/kg dry	0.0664	0.0133	7.6	1	03/19/08
Dibromomethane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Diethyl Ether		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Di-isopropyl ether		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0664	0.0133		1	03/19/08
Ethylbenzene		ND	mg/kg dry	0.0664	0.0159	71	1	03/19/08
Hexachlorobutadiene		ND	mg/kg dry	0.0664	0.0212	8.2	1	03/19/08
Isopropylbenzene		ND	mg/kg dry	0.0664	0.0146	27	1	03/19/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0664	0.0159	390	1	03/19/08
Methylene Chloride	J	**0.0279**	mg/kg dry	0.332	0.0265	45	1	03/19/08
Naphthalene		ND	mg/kg dry	0.0664	0.0199	54	1	03/19/08
n-Butylbenzene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
n-Propylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
sec-Butylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
Styrene		ND	mg/kg dry	0.0664	0.0173	13	1	03/19/08
tert-Butylbenzene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Tetrachloroethene		ND	mg/kg dry	0.0664	0.0212	12	1	03/19/08
Tetrahydrofuran		ND	mg/kg dry	0.664	0.173		1	03/19/08
Toluene		ND	mg/kg dry	0.0664	0.0186	190	1	03/19/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0664	0.0212	1100	1	03/19/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Trichloroethene		ND	mg/kg dry	0.0664	0.0159	13	1	03/19/08
Trichlorofluoromethane		ND	mg/kg dry	0.0664	0.0186		1	03/19/08
Vinyl Acetate		ND	mg/kg dry	0.332	0.0265		1	03/19/08
Vinyl Chloride		ND	mg/kg dry	0.0664	0.0159	0.02	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0664	0.0133	110	1	03/19/08
Xylene P,M	ND	mg/kg dry	0.133	0.0332	110	1	03/19/08
Xylenes (Total)	ND	mg/kg dry	0.199		110	1	03/19/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**562**	mg/kg dry	45.0		1	03/17/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: MD
Prepared: 03/18/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**6.93**	mg/kg dry	1.67		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*224 %*	*5C*	*70-130*
Surrogate: Trifluorotoluene - FID	*91 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1221	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1232	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1242	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1248	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1254	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1260	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1262	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1268	ND	mg/kg dry	0.0599	10	1	03/18/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*68 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*71 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*82 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.401	0.8	1	03/18/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.401	96	1	03/18/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.401	510	1	03/18/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.401	430	1	03/18/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.401	27	1	03/18/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.01		1	03/18/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.401	330	1	03/18/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.401	58	1	03/18/08
2,4-Dichlorophenol	ND	mg/kg dry	0.401	30	1	03/18/08
2,4-Dimethylphenol	ND	mg/kg dry	0.401	1400	1	03/18/08
2,4-Dinitrophenol	ND	mg/kg dry	2.01	160	1	03/18/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.401	0.9	1	03/18/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.401		1	03/18/08
2-Chloronaphthalene	ND	mg/kg dry	0.401		1	03/18/08
2-Chlorophenol	ND	mg/kg dry	0.401	50	1	03/18/08
2-Methylnaphthalene	ND	mg/kg dry	0.401	123	1	03/18/08
2-Methylphenol	ND	mg/kg dry	0.401		1	03/18/08
2-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
2-Nitrophenol	ND	mg/kg dry	0.401		1	03/18/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.804	1.4	1	03/18/08
3+4-Methylphenol	ND	mg/kg dry	0.804		1	03/18/08
3-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.01		1	03/18/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.401		1	03/18/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.401		1	03/18/08
4-Chloroaniline	ND	mg/kg dry	0.804	310	1	03/18/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.401		1	03/18/08
4-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
4-Nitrophenol	ND	mg/kg dry	2.01		1	03/18/08
Acenaphthene	ND	mg/kg dry	0.401	43	1	03/18/08
Acenaphthylene	ND	mg/kg dry	0.401	23	1	03/18/08
Acetophenone	ND	mg/kg dry	0.804		1	03/18/08
Aniline	ND	mg/kg dry	2.01		1	03/18/08
Anthracene	ND	mg/kg dry	0.401	35	1	03/18/08
Azobenzene	ND	mg/kg dry	0.401		1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzo(a)pyrene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Benzo(b)fluoranthene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.401	0.8	1	03/18/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzoic Acid	ND	mg/kg dry	2.01		1	03/18/08
Benzyl Alcohol	ND	mg/kg dry	0.401		1	03/18/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.401		1	03/18/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.401	0.6	1	03/18/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.401	9.1	1	03/18/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.401	46	1	03/18/08
Butylbenzylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Carbazole	ND	mg/kg dry	0.401		1	03/18/08
Chrysene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Dibenzofuran	ND	mg/kg dry	0.401		1	03/18/08
Diethylphthalate	ND	mg/kg dry	0.401	340	1	03/18/08
Dimethylphthalate	ND	mg/kg dry	0.401	1900	1	03/18/08
Di-n-butylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Di-n-octylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Fluoranthene	ND	mg/kg dry	0.401	20	1	03/18/08
Fluorene	ND	mg/kg dry	0.401	28	1	03/18/08
Hexachlorobenzene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Hexachlorobutadiene	ND	mg/kg dry	0.401	8.2	1	03/18/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.01		1	03/18/08
Hexachloroethane	ND	mg/kg dry	0.401	46	1	03/18/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Isophorone	ND	mg/kg dry	0.401		1	03/18/08
Naphthalene	ND	mg/kg dry	0.401	54	1	03/18/08
Nitrobenzene	ND	mg/kg dry	0.401		1	03/18/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.401		1	03/18/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.401		1	03/18/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.401		1	03/18/08
Pentachlorophenol	ND	mg/kg dry	2.01	5.3	1	03/18/08
Phenanthrene	ND	mg/kg dry	0.401	40	1	03/18/08
Phenol	ND	mg/kg dry	0.401	6000	1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Pyrene	ND	mg/kg dry	0.401	13	1	03/18/08
Pyridine	ND	mg/kg dry	2.01		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*76 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*56 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*61 %*		*30-130*
Surrogate: 2-Fluorophenol	*54 %*		*30-130*
Surrogate: Nitrobenzene-d5	*60 %*		*30-130*
Surrogate: Phenol-d6	*58 %*		*30-130*
Surrogate: p-Terphenyl-d14	*77 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed
Corrosivity (pH)	**7.64**	S.U.	N/A	9045		1	EEM	03/17/08 16:50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

TCLP Date: 3/17/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**1.77**	mg/L	0.200	1311/6010B	5	1	SVD	03/18/08	5	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.0	6010B	7	1	SVD	03/17/08	1.92	100
Barium	**35.0**	mg/kg dry	3.0	6010B	5500	1	SVD	03/17/08	1.92	100
Cadmium	ND	mg/kg dry	0.61	6010B	39	1	SVD	03/17/08	1.92	100
Chromium	**12.9**	mg/kg dry	1.2	6010B	1400	1	SVD	03/17/08	1.92	100
Lead	**302**	mg/kg dry	6.1	6010B	150	1	SVD	03/17/08	1.92	100
Mercury	**0.145**	mg/kg dry	0.038	7471A	23	1	KAB	03/18/08	0.6	40
Selenium	ND	mg/kg dry	6.1	6010B	390	1	SVD	03/17/08	1.92	100
Silver	ND	mg/kg dry	0.61	6010B	200	1	SVD	03/17/08	1.92	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.109	0.0358	2.2	1	03/19/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0543	0.0141	540	1	03/19/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0543	0.0163	1.3	1	03/19/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0543	0.0174	3.6	1	03/19/08
1,1-Dichloroethane		ND	mg/kg dry	0.0543	0.0152	920	1	03/19/08
1,1-Dichloroethene		ND	mg/kg dry	0.0543	0.0130	0.2	1	03/19/08
1,1-Dichloropropene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0543	0.0119	96	1	03/19/08
1,2,4-Trimethylbenzene	*J*	***0.0141***	mg/kg dry	0.0543	0.0130		1	03/19/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.326	0.109	0.5	1	03/19/08
1,2-Dibromoethane		ND	mg/kg dry	0.0543	0.0119	0.01	1	03/19/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0119	510	1	03/19/08
1,2-Dichloroethane		ND	mg/kg dry	0.0543	0.0119	0.9	1	03/19/08
1,2-Dichloropropane		ND	mg/kg dry	0.0543	0.0152	1.9	1	03/19/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0130	430	1	03/19/08
1,3-Dichloropropane		ND	mg/kg dry	0.0543	0.0109		1	03/19/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0141	27	1	03/19/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.43	2.71		1	03/19/08
1-Chlorohexane		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
2,2-Dichloropropane		ND	mg/kg dry	0.109	0.0271		1	03/19/08
2-Butanone		ND	mg/kg dry	1.36	0.271	10000	1	03/19/08
2-Chlorotoluene		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
2-Hexanone		ND	mg/kg dry	0.543	0.0760		1	03/19/08
4-Chlorotoluene		ND	mg/kg dry	0.0543	0.0130		1	03/19/08
4-Isopropyltoluene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.543	0.0760	1200	1	03/19/08
Acetone		ND	mg/kg dry	1.36	0.434	7800	1	03/19/08
Benzene		ND	mg/kg dry	0.0543	0.0163	2.5	1	03/19/08
Bromobenzene		ND	mg/kg dry	0.0543	0.0119		1	03/19/08
Bromochloromethane		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Bromodichloromethane		ND	mg/kg dry	0.0543	0.0152	10	1	03/19/08
Bromoform		ND	mg/kg dry	0.0543	0.0174	81	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.109	0.0271	0.8	1	03/19/08
Carbon Disulfide	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Carbon Tetrachloride	ND	mg/kg dry	0.0543	0.0152	1.5	1	03/19/08
Chlorobenzene	ND	mg/kg dry	0.0543	0.0119	210	1	03/19/08
Chloroethane	ND	mg/kg dry	0.109	0.0358		1	03/19/08
Chloroform	ND	mg/kg dry	0.0543	0.0130	1.2	1	03/19/08
Chloromethane	ND	mg/kg dry	0.109	0.0174		1	03/19/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0543	0.0163	630	1	03/19/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0543	0.0119		1	03/19/08
Dibromochloromethane	ND	mg/kg dry	0.0543	0.0109	7.6	1	03/19/08
Dibromomethane	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Diethyl Ether	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Di-isopropyl ether	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0543	0.0109		1	03/19/08
Ethylbenzene	ND	mg/kg dry	0.0543	0.0130	71	1	03/19/08
Hexachlorobutadiene	ND	mg/kg dry	0.0543	0.0174	8.2	1	03/19/08
Isopropylbenzene	ND	mg/kg dry	0.0543	0.0119	27	1	03/19/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0543	0.0130	390	1	03/19/08
Methylene Chloride	ND	mg/kg dry	0.271	0.0217	45	1	03/19/08
Naphthalene	ND	mg/kg dry	0.0543	0.0163	54	1	03/19/08
n-Butylbenzene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
n-Propylbenzene	ND	mg/kg dry	0.0543	0.0141		1	03/19/08
sec-Butylbenzene	ND	mg/kg dry	0.0543	0.0141		1	03/19/08
Styrene	ND	mg/kg dry	0.0543	0.0141	13	1	03/19/08
tert-Butylbenzene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Tetrachloroethene	ND	mg/kg dry	0.0543	0.0174	12	1	03/19/08
Tetrahydrofuran	ND	mg/kg dry	0.543	0.141		1	03/19/08
Toluene	ND	mg/kg dry	0.0543	0.0152	190	1	03/19/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0543	0.0174	1100	1	03/19/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Trichloroethene	ND	mg/kg dry	0.0543	0.0130	13	1	03/19/08
Trichlorofluoromethane	ND	mg/kg dry	0.0543	0.0152		1	03/19/08
Vinyl Acetate	ND	mg/kg dry	0.271	0.0217		1	03/19/08
Vinyl Chloride	ND	mg/kg dry	0.0543	0.0130	0.02	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0543	0.0109	110	1	03/19/08
Xylene P,M	ND	mg/kg dry	0.109	0.0271	110	1	03/19/08
Xylenes (Total)	ND	mg/kg dry	0.163		110	1	03/19/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**802**	mg/kg dry	43.2		1	03/17/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: MD
Prepared: 03/18/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**7.89**	mg/kg dry	1.67		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*245 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*90 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1221	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1232	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1242	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1248	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1254	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1260	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1262	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1268	ND	mg/kg dry	0.0573	10	1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.380	0.8	1	03/18/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.380	96	1	03/18/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.380	510	1	03/18/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.380	430	1	03/18/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.380	27	1	03/18/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.90		1	03/18/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.380	330	1	03/18/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.380	58	1	03/18/08
2,4-Dichlorophenol	ND	mg/kg dry	0.380	30	1	03/18/08
2,4-Dimethylphenol	ND	mg/kg dry	0.380	1400	1	03/18/08
2,4-Dinitrophenol	ND	mg/kg dry	1.90	160	1	03/18/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.380	0.9	1	03/18/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.380		1	03/18/08
2-Chloronaphthalene	ND	mg/kg dry	0.380		1	03/18/08
2-Chlorophenol	ND	mg/kg dry	0.380	50	1	03/18/08
2-Methylnaphthalene	**0.948**	mg/kg dry	0.380	123	1	03/18/08
2-Methylphenol	ND	mg/kg dry	0.380		1	03/18/08
2-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
2-Nitrophenol	ND	mg/kg dry	0.380		1	03/18/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.760	1.4	1	03/18/08
3+4-Methylphenol	ND	mg/kg dry	0.760		1	03/18/08
3-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.90		1	03/18/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.380		1	03/18/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.380		1	03/18/08
4-Chloroaniline	ND	mg/kg dry	0.760	310	1	03/18/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.380		1	03/18/08
4-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
4-Nitrophenol	ND	mg/kg dry	1.90		1	03/18/08
Acenaphthene	**1.23**	mg/kg dry	0.380	43	1	03/18/08
Acenaphthylene	ND	mg/kg dry	0.380	23	1	03/18/08
Acetophenone	ND	mg/kg dry	0.760		1	03/18/08
Aniline	ND	mg/kg dry	1.90		1	03/18/08
Anthracene	**2.42**	mg/kg dry	0.380	35	1	03/18/08
Azobenzene	ND	mg/kg dry	0.380		1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**2.69**	mg/kg dry	0.380	0.9	1	03/18/08
Benzo(a)pyrene	**2.09**	mg/kg dry	0.190	0.4	1	03/18/08
Benzo(b)fluoranthene	**2.34**	mg/kg dry	0.380	0.9	1	03/18/08
Benzo(g,h,i)perylene	**0.475**	mg/kg dry	0.380	0.8	1	03/18/08
Benzo(k)fluoranthene	**1.62**	mg/kg dry	0.380	0.9	1	03/18/08
Benzoic Acid	ND	mg/kg dry	1.90		1	03/18/08
Benzyl Alcohol	ND	mg/kg dry	0.380		1	03/18/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.380		1	03/18/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.380	0.6	1	03/18/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.380	9.1	1	03/18/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.380	46	1	03/18/08
Butylbenzylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Carbazole	**1.05**	mg/kg dry	0.380		1	03/18/08
Chrysene	**2.56**	mg/kg dry	0.190	0.4	1	03/18/08
Dibenzo(a,h)Anthracene	**0.273**	mg/kg dry	0.190	0.4	1	03/18/08
Dibenzofuran	**1.35**	mg/kg dry	0.380		1	03/18/08
Diethylphthalate	ND	mg/kg dry	0.380	340	1	03/18/08
Dimethylphthalate	ND	mg/kg dry	0.380	1900	1	03/18/08
Di-n-butylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Di-n-octylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Fluoranthene	**7.09**	mg/kg dry	0.380	20	1	03/18/08
Fluorene	**1.64**	mg/kg dry	0.380	28	1	03/18/08
Hexachlorobenzene	ND	mg/kg dry	0.190	0.4	1	03/18/08
Hexachlorobutadiene	ND	mg/kg dry	0.380	8.2	1	03/18/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.90		1	03/18/08
Hexachloroethane	ND	mg/kg dry	0.380	46	1	03/18/08
Indeno(1,2,3-cd)Pyrene	**0.573**	mg/kg dry	0.380	0.9	1	03/18/08
Isophorone	ND	mg/kg dry	0.380		1	03/18/08
Naphthalene	**1.61**	mg/kg dry	0.380	54	1	03/18/08
Nitrobenzene	ND	mg/kg dry	0.380		1	03/18/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.380		1	03/18/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.380		1	03/18/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.380		1	03/18/08
Pentachlorophenol	ND	mg/kg dry	1.90	5.3	1	03/18/08
Phenanthrene	**7.56**	mg/kg dry	0.380	40	1	03/18/08
Phenol	ND	mg/kg dry	0.380	6000	1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Pyrene	**4.83**	mg/kg dry	0.380	13	1	03/18/08
Pyridine	ND	mg/kg dry	1.90		1	03/18/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

Classical Chemistry

					RI - RES DEC			
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**
Corrosivity (pH)	**7.51**	S.U.	N/A	9045		1	EEM	03/17/08 16:50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte		Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals											
Batch BC81813 - 3005A											
Blank											
Lead		ND	0.020	mg/L							
LCS											
Lead		0.524	0.020	mg/L	0.5000		105	80-120			
LCS Dup											
Lead		0.517	0.020	mg/L	0.5000		103	80-120	1	20	
Duplicate	**Source: 0803202-01**										
Lead		1.80	0.200	mg/L		1.70			6	20	
Matrix Spike	**Source: 0803202-01**										
Lead		6.65	0.200	mg/L	5.000	1.70	99	75-125			
3050B/6000/7000 Total Metals											
Batch BC81714 - 30S0B											
Blank											
Arsenic		ND	3.3	mg/kg wet							
Barium		ND	3.3	mg/kg wet							
Cadmium		ND	0.67	mg/kg wet							
Chromium		ND	1.3	mg/kg wet							
Lead		ND	6.7	mg/kg wet							
Selenium		ND	6.7	mg/kg wet							
Silver		ND	0.67	mg/kg wet							
LCS											
Arsenic		30.6	3.3	mg/kg wet	33.33		92	80-120			
Barium		32.6	3.3	mg/kg wet	33.33		98	80-120			
Cadmium		15.5	0.67	mg/kg wet	16.67		93	80-120			
Chromium		33.2	1.3	mg/kg wet	33.33		99	80-120			
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120			
Selenium		61.4	6.7	mg/kg wet	66.67		92	80-120			
Silver		16.2	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup											
Arsenic		31.2	3.3	mg/kg wet	33.33		94	80-120	2	20	
Barium		32.7	3.3	mg/kg wet	33.33		98	80-120	0.4	20	
Cadmium		15.4	0.67	mg/kg wet	16.67		92	80-120	1	20	
Chromium		33.3	1.3	mg/kg wet	33.33		100	80-120	0.5	20	
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120	0.1	20	
Selenium		61.4	6.7	mg/kg wet	66.67		92	80-120	0.03	20	
Silver		16.3	0.67	mg/kg wet	16.67		98	80-120	0.5	20	
Reference											
Arsenic		76.6	5.0	mg/kg wet	88.80		86	80.86-119.37			
Barium		399	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium		56.3	1.00	mg/kg wet	63.00		89	82.06-117.94			
Chromium		86.5	2.0	mg/kg wet	97.90		88	78.86-120.53			
Lead		85.0	10.0	mg/kg wet	88.90		96	81.78-118.11			
Selenium		139	10.0	mg/kg wet	155.0		90	77.42-122.58			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BC81714 - 3050B										
Silver	76.9	1.00	mg/kg wet	81.60		94	66.3-133.58			
Batch BC81715 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.213	0.033	mg/kg wet	0.2000		107	80-120			
LCS Dup										
Mercury	0.217	0.033	mg/kg wet	0.2000		109	80-120	2	20	
Reference										
Mercury	5.02	0.330	mg/kg wet	4.470		112	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.22*		mg/kg wet	*2.500*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.15*		mg/kg wet	*2.500*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Toluene-d8	*2.21*		mg/kg wet	*2.500*		*88*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
LCS										
1,1,1,2-Tetrachloroethane	23.8		ug/L	25.00		95	70-130			
1,1,1-Trichloroethane	25.1		ug/L	25.00		101	70-130			
1,1,2,2-Tetrachloroethane	22.7		ug/L	25.00		91	70-130			
1,1,2-Trichloroethane	23.3		ug/L	25.00		93	70-130			
1,1-Dichloroethane	24.5		ug/L	25.00		98	70-130			
1,1-Dichloroethene	26.9		ug/L	25.00		107	70-130			
1,1-Dichloropropene	25.8		ug/L	25.00		103	70-130			
1,2,3-Trichlorobenzene	28.6		ug/L	25.00		114	70-130			
1,2,3-Trichloropropane	24.1		ug/L	25.00		96	70-130			
1,2,4-Trichlorobenzene	25.4		ug/L	25.00		102	70-130			
1,2,4-Trimethylbenzene	26.5		ug/L	25.00		106	70-130			
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00		100	70-130			
1,2-Dibromoethane	24.1		ug/L	25.00		97	70-130			
1,2-Dichlorobenzene	24.9		ug/L	25.00		100	70-130			
1,2-Dichloroethane	24.5		ug/L	25.00		98	70-130			
1,2-Dichloropropane	24.3		ug/L	25.00		97	70-130			
1,3,5-Trimethylbenzene	25.5		ug/L	25.00		102	70-130			
1,3-Dichlorobenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichloropropane	24.2		ug/L	25.00		97	70-130			
1,4-Dichlorobenzene	24.8		ug/L	25.00		99	70-130			
1,4-Dioxane - Screen	778		ug/L	500.0		156	44-241			
1-Chlorohexane	24.1		ug/L	25.00		97	70-130			
2,2-Dichloropropane	28.2		ug/L	25.00		113	70-130			
2-Butanone	139		ug/L	125.0		111	70-130			
2-Chlorotoluene	27.8		ug/L	25.00		111	70-130			
2-Hexanone	114		ug/L	125.0		92	70-130			
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130			
4-Isopropyltoluene	25.3		ug/L	25.00		101	70-130			
4-Methyl-2-Pentanone	107		ug/L	125.0		86	70-130			
Acetone	134		ug/L	125.0		107	70-130			
Benzene	24.9		ug/L	25.00		100	70-130			
Bromobenzene	24.8		ug/L	25.00		99	70-130			
Bromochloromethane	22.8		ug/L	25.00		91	70-130			
Bromodichloromethane	26.0		ug/L	25.00		104	70-130			
Bromoform	24.8		ug/L	25.00		99	70-130			
Bromomethane	26.8		ug/L	25.00		107	70-130			
Carbon Disulfide	28.7		ug/L	25.00		115	70-130			
Carbon Tetrachloride	26.4		ug/L	25.00		105	70-130			
Chlorobenzene	24.9		ug/L	25.00		100	70-130			
Chloroethane	25.2		ug/L	25.00		101	70-130			
Chloroform	24.1		ug/L	25.00		96	70-130			
Chloromethane	20.9		ug/L	25.00		84	70-130			
cis-1,2-Dichloroethene	26.9		ug/L	25.00		107	70-130			
cis-1,3-Dichloropropene	24.5		ug/L	25.00		98	70-130			
Dibromochloromethane	26.0		ug/L	25.00		104	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Dibromomethane	23.3		ug/L	25.00		93	70-130			
Dichlorodifluoromethane	18.1		ug/L	25.00		72	70-130			
Diethyl Ether	25.0		ug/L	25.00		100	70-130			
Di-isopropyl ether	24.0		ug/L	25.00		96	70-130			
Ethyl tertiary-butyl ether	23.7		ug/L	25.00		95	70-130			
Ethylbenzene	24.7		ug/L	25.00		99	70-130			
Hexachlorobutadiene	29.7		ug/L	25.00		119	70-130			
Isopropylbenzene	22.8		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	24.1		ug/L	25.00		96	70-130			
Methylene Chloride	26.0		ug/L	25.00		104	70-130			
Naphthalene	24.1		ug/L	25.00		96	70-130			
n-Butylbenzene	28.1		ug/L	25.00		112	*70-130*			
n-Propylbenzene	25.0		ug/L	25.00		100	70-130			
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130			
Styrene	24.9		ug/L	25.00		100	70-130			
tert-Butylbenzene	25.7		ug/L	25.00		103	70-130			
Tertiary-amyl methyl ether	23.8		ug/L	25.00		95	70-130			
Tetrachloroethene	25.7		ug/L	25.00		103	70-130			
Tetrahydrofuran	25.8		ug/L	25.00		103	70-130			
Toluene	24.8		ug/L	25.00		99	70-130			
trans-1,2-Dichloroethene	27.4		ug/L	25.00		110	70-130			
trans-1,3-Dichloropropene	21.7		ug/L	25.00		87	70-130			
Trichloroethene	25.1		ug/L	25.00		101	70-130			
Vinyl Acetate	25.0		ug/L	25.00		100	70-130			
Vinyl Chloride	28.0		ug/L	25.00		112	70-130			
Xylene O	25.2		ug/L	25.00		101	70-130			
Xylene P,M	50.6		ug/L	50.00		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.22*		mg/kg wet	*2.500*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.16*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*2.24*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Toluene-d8	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.7		ug/L	25.00		99	70-130	4	20	
1,1,1-Trichloroethane	26.0		ug/L	25.00		104	70-130	3	20	
1,1,2,2-Tetrachloroethane	23.5		ug/L	25.00		94	70-130	4	20	
1,1,2-Trichloroethane	24.8		ug/L	25.00		99	70-130	6	20	
1,1-Dichloroethane	25.0		ug/L	25.00		100	70-130	2	20	
1,1-Dichloroethene	27.7		ug/L	25.00		111	70-130	3	20	
1,1-Dichloropropene	26.5		ug/L	25.00		106	70-130	2	20	
1,2,3-Trichlorobenzene	29.6		ug/L	25.00		118	70-130	4	20	
1,2,3-Trichloropropane	25.2		ug/L	25.00		101	70-130	4	20	
1,2,4-Trichlorobenzene	25.6		ug/L	25.00		102	70-130	0.7	20	
1,2,4-Trimethylbenzene	26.5		ug/L	25.00		106	70-130	0.04	20	
1,2-Dibromo-3-Chloropropane	26.0		ug/L	25.00		104	70-130	4	20	
1,2-Dibromoethane	25.3		ug/L	25.00		101	70-130	5	20	
1,2-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
1,2-Dichloroethane	25.5		ug/L	25.00		102	70-130	4	20	
1,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	4	20	
1,3,5-Trimethylbenzene	25.5		ug/L	25.00		102	70-130	0.1	20	
1,3-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	0.7	20	
1,3-Dichloropropane	25.2		ug/L	25.00		101	70-130	4	20	
1,4-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	1	20	
1,4-Dioxane - Screen	920		ug/L	500.0		184	44-241	17	200	
1-Chlorohexane	24.5		ug/L	25.00		98	70-130	2	20	
2,2-Dichloropropane	29.5		ug/L	25.00		118	70-130	4	20	
2-Butanone	146		ug/L	125.0		117	70-130	5	20	
2-Chlorotoluene	26.8		ug/L	25.00		107	70-130	4	20	
2-Hexanone	129		ug/L	125.0		103	70-130	12	20	
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130	0.2	20	
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130	1	20	
4-Methyl-2-Pentanone	117		ug/L	125.0		94	70-130	9	20	
Acetone	129		ug/L	125.0		103	70-130	4	20	
Benzene	25.4		ug/L	25.00		102	70-130	2	20	
Bromobenzene	25.1		ug/L	25.00		100	70-130	1	20	
Bromochloromethane	24.1		ug/L	25.00		96	70-130	6	20	
Bromodichloromethane	27.2		ug/L	25.00		109	70-130	4	20	
Bromoform	26.2		ug/L	25.00		105	70-130	5	20	
Bromomethane	29.8		ug/L	25.00		119	70-130	10	20	
Carbon Disulfide	26.0		ug/L	25.00		104	70-130	10	20	
Carbon Tetrachloride	27.3		ug/L	25.00		109	70-130	4	20	
Chlorobenzene	25.6		ug/L	25.00		102	70-130	2	20	
Chloroethane	25.9		ug/L	25.00		104	70-130	3	20	
Chloroform	25.0		ug/L	25.00		100	70-130	4	20	
Chloromethane	21.4		ug/L	25.00		86	70-130	2	20	
cis-1,2-Dichloroethene	27.4		ug/L	25.00		110	70-130	2	20	
cis-1,3-Dichloropropene	25.7		ug/L	25.00		103	70-130	5	20	
Dibromochloromethane	27.2		ug/L	25.00		109	70-130	5	20	
Dibromomethane	24.7		ug/L	25.00		99	70-130	6	20	
Dichlorodifluoromethane	18.9		ug/L	25.00		76	70-130	5	20	
Diethyl Ether	26.4		ug/L	25.00		106	70-130	6	20	
Di-isopropyl ether	24.7		ug/L	25.00		99	70-130	3	20	
Ethyl tertiary-butyl ether	24.6		ug/L	25.00		98	70-130	4	20	
Ethylbenzene	25.2		ug/L	25.00		101	70-130	2	20	
Hexachlorobutadiene	28.5		ug/L	25.00		114	70-130	4	20	
Isopropylbenzene	22.7		ug/L	25.00		91	70-130	0.4	20	
Methyl tert-Butyl Ether	25.4		ug/L	25.00		101	70-130	5	20	
Methylene Chloride	26.4		ug/L	25.00		106	70-130	2	20	
Naphthalene	24.9		ug/L	25.00		100	70-130	3	20	
n-Butylbenzene	27.6		ug/L	25.00		110	70-130	2	20	
n-Propylbenzene	25.6		ug/L	25.00		102	70-130	3	20	
sec-Butylbenzene	25.9		ug/L	25.00		103	70-130	0.9	20	
Styrene	25.5		ug/L	25.00		102	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
tert-Butylbenzene	25.6		ug/L	25.00		102	70-130	0.5	20	
Tertiary-amyl methyl ether	25.2		ug/L	25.00		101	70-130	6	20	
Tetrachloroethene	26.6		ug/L	25.00		106	70-130	3	20	
Tetrahydrofuran	27.9		ug/L	25.00		112	70-130	8	20	
Toluene	25.6		ug/L	25.00		102	70-130	3	20	
trans-1,2-Dichloroethene	28.0		ug/L	25.00		112	70-130	2	20	
trans-1,3-Dichloropropene	22.8		ug/L	25.00		91	70-130	5	20	
Trichloroethene	26.0		ug/L	25.00		104	70-130	3	20	
Vinyl Acetate	25.7		ug/L	25.00		103	70-130	3	20	
Vinyl Chloride	29.3		ug/L	25.00		117	70-130	4	20	
Xylene O	25.4		ug/L	25.00		102	70-130	1	20	
Xylene P,M	51.4		ug/L	50.00		103	70-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.26*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.17*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: Toluene-d8	*2.26*		mg/kg wet	*2.500*		*90*	*70-130*			
8015M Diesel Range Organics										
Batch BC81703 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.96*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS										
Decane (C10)	1.59	0.26	mg/kg wet	2.500		64	40-140			
Docosane (C22)	2.03	0.26	mg/kg wet	2.500		81	40-140			
Dodecane (C12)	1.80	0.26	mg/kg wet	2.500		72	40-140			
Eicosane (C20)	2.01	0.26	mg/kg wet	2.500		80	40-140			
Hexacosane (C26)	2.04	0.26	mg/kg wet	2.500		81	40-140			
Hexadecane (C16)	1.94	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.09	0.26	mg/kg wet	2.500		84	40-140			
Octacosane (C28)	2.05	0.26	mg/kg wet	2.500		82	40-140			
Octadecane (C18)	1.97	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.03	0.26	mg/kg wet	2.500		81	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BC81703 - 3541										
Tetradecane (C14)	1.88	0.26	mg/kg wet	2.500		75	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.72	0.26	mg/kg wet	2.500		69	40-140	8	50	
Docosane (C22)	2.21	0.26	mg/kg wet	2.500		88	40-140	8	50	
Dodecane (C12)	1.93	0.26	mg/kg wet	2.500		77	40-140	7	50	
Eicosane (C20)	2.20	0.26	mg/kg wet	2.500		88	40-140	9	50	
Hexacosane (C26)	2.22	0.26	mg/kg wet	2.500		89	40-140	9	50	
Hexadecane (C16)	2.12	0.26	mg/kg wet	2.500		85	40-140	9	50	
Nonadecane (C19)	2.30	0.26	mg/kg wet	2.500		92	40-140	9	50	
Octacosane (C28)	2.23	0.26	mg/kg wet	2.500		89	40-140	9	50	
Octadecane (C18)	2.16	0.26	mg/kg wet	2.500		86	40-140	9	50	
Tetracosane (C24)	2.21	0.26	mg/kg wet	2.500		88	40-140	9	50	
Tetradecane (C14)	2.05	0.26	mg/kg wet	2.500		82	40-140	9	50	
Surrogate: O-Terphenyl	*4.22*		mg/kg wet	*5.000*		*84*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC81808 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*60.7*		ug/L	*50.00*		*121*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.12*		mg/kg wet	*1.333*		*84*	*70-130*			
LCS										
Gasoline Range Organics	468		ug/L	500.0		94	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*56.2*		ug/L	*50.00*		*112*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.34*		mg/kg wet	*1.333*		*101*	*70-130*			
LCS Dup										
Gasoline Range Organics	467		ug/L	500.0		93	60-140	0.02	20	
Surrogate: 2,5-Dibromotoluene - FID	*56.2*		ug/L	*50.00*		*112*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.30*		mg/kg wet	*1.333*		*97*	*70-130*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BC81713 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							

ESS Laboratory

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CERTIFICATE OF ANALYSIS

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BC81713 - 3541										
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0196*		mg/kg wet	*0.02500*		*78*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0201*		mg/kg wet	*0.02500*		*81*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0206*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
LCS										
Aroclor 1016	0.507	0.0500	mg/kg wet	0.5000		101	40-140			
Aroclor 1260	0.480	0.0500	mg/kg wet	0.5000		96	40-140			
Surrogate: Decachlorobiphenyl	*0.0196*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0200*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0225*		mg/kg wet	*0.02500*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
LCS Dup										
Aroclor 1016	0.537	0.0500	mg/kg wet	0.5000		107	40-140	6	50	
Aroclor 1260	0.515	0.0500	mg/kg wet	0.5000		103	40-140	7	50	
Surrogate: Decachlorobiphenyl	*0.0213*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0215*		mg/kg wet	*0.02500*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0256*		mg/kg wet	*0.02500*		*102*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*2.500*		*83*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.02*		mg/kg wet	*3.750*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.61*		mg/kg wet	*3.750*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.96*		mg/kg wet	*2.500*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*2.65*		mg/kg wet	*3.750*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: Phenol-d6	*2.91*		mg/kg wet	*3.750*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.02*		mg/kg wet	*2.500*		*81*	*30-130*			
LCS										
1,1-Biphenyl	1.83	0.250	mg/kg wet	2.500		73	40-140			
1,2,4-Trichlorobenzene	2.08	0.250	mg/kg wet	2.500		83	40-140			
1,2-Dichlorobenzene	2.11	0.250	mg/kg wet	2.500		85	40-140			
1,3-Dichlorobenzene	2.01	0.250	mg/kg wet	2.500		80	40-140			
1,4-Dichlorobenzene	1.92	0.250	mg/kg wet	2.500		77	40-140			
2,3,4,6-Tetrachlorophenol	2.21	1.25	mg/kg wet	2.500		88	30-130			
2,4,5-Trichlorophenol	1.96	0.250	mg/kg wet	2.500		78	30-130			
2,4,6-Trichlorophenol	2.13	0.250	mg/kg wet	2.500		85	30-130			
2,4-Dichlorophenol	2.27	0.250	mg/kg wet	2.500		91	30-130			
2,4-Dimethylphenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4-Dinitrophenol	1.80	1.25	mg/kg wet	2.500		72	30-130			
2,4-Dinitrotoluene	2.22	0.250	mg/kg wet	2.500		89	40-140			
2,6-Dinitrotoluene	2.09	0.250	mg/kg wet	2.500		84	40-140			
2-Chloronaphthalene	1.13	0.250	mg/kg wet	2.500		45	40-140			
2-Chlorophenol	1.85	0.250	mg/kg wet	2.500		74	30-130			
2-Methylnaphthalene	2.11	0.250	mg/kg wet	2.500		84	40-140			
2-Methylphenol	2.11	0.250	mg/kg wet	2.500		85	30-130			
2-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140			
2-Nitrophenol	2.11	0.250	mg/kg wet	2.500		84	30-130			
3,3´-Dichlorobenzidine	2.03	0.500	mg/kg wet	2.500		81	40-140			
3+4-Methylphenol	4.14	0.500	mg/kg wet	5.000		83	30-130			
3-Nitroaniline	1.46	0.250	mg/kg wet	2.500		58	40-140			
4,6-Dinitro-2-Methylphenol	2.22	1.25	mg/kg wet	2.500		89	30-130			
4-Bromophenyl-phenylether	2.24	0.250	mg/kg wet	2.500		90	40-140			
4-Chloro-3-Methylphenol	2.38	0.250	mg/kg wet	2.500		95	30-130			
4-Chloroaniline	0.882	0.500	mg/kg wet	2.500		35	40-140			M-
4-Chloro-phenyl-phenyl ether	2.13	0.250	mg/kg wet	2.500		85	40-140			
4-Nitroaniline	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
4-Nitrophenol	1.41	1.25	mg/kg wet	2.500		56	30-130			
Acenaphthene	2.11	0.250	mg/kg wet	2.500		84	40-140			
Acenaphthylene	1.77	0.250	mg/kg wet	2.500		71	40-140			
Acetophenone	2.10	0.500	mg/kg wet	2.500		84	40-140			
Aniline	1.28	1.25	mg/kg wet	2.500		51	40-140			
Anthracene	2.05	0.250	mg/kg wet	2.500		82	40-140			
Azobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140			
Benzo(a)anthracene	2.16	0.250	mg/kg wet	2.500		87	40-140			
Benzo(a)pyrene	2.20	0.125	mg/kg wet	2.500		88	40-140			
Benzo(b)fluoranthene	2.32	0.250	mg/kg wet	2.500		93	40-140			
Benzo(g,h,i)perylene	2.10	0.250	mg/kg wet	2.500		84	40-140			
Benzo(k)fluoranthene	2.00	0.250	mg/kg wet	2.500		80	40-140			
Benzoic Acid	2.06	1.25	mg/kg wet	2.500		83	40-140			
Benzyl Alcohol	1.67	0.250	mg/kg wet	2.500		67	40-140			
bis(2-Chloroethoxy)methane	1.68	0.250	mg/kg wet	2.500		67	40-140			
bis(2-Chloroethyl)ether	1.87	0.250	mg/kg wet	2.500		75	40-140			
bis(2-chloroisopropyl)Ether	2.02	0.250	mg/kg wet	2.500		81	40-140			
bis(2-Ethylhexyl)phthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Butylbenzylphthalate	2.12	0.250	mg/kg wet	2.500		85	40-140			
Carbazole	2.31	0.250	mg/kg wet	2.500		92	40-140			
Chrysene	2.08	0.125	mg/kg wet	2.500		83	40-140			
Dibenzo(a,h)Anthracene	2.26	0.125	mg/kg wet	2.500		90	40-140			
Dibenzofuran	2.02	0.250	mg/kg wet	2.500		81	40-140			
Diethylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Di-n-butylphthalate	2.13	0.250	mg/kg wet	2.500		85	40-140			
Di-n-octylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140			
Fluoranthene	2.29	0.250	mg/kg wet	2.500		91	40-140			
Fluorene	2.17	0.250	mg/kg wet	2.500		87	40-140			
Hexachlorobenzene	2.23	0.125	mg/kg wet	2.500		89	40-140			
Hexachlorobutadiene	2.22	0.250	mg/kg wet	2.500		89	40-140			
Hexachlorocyclopentadiene	0.561	1.25	mg/kg wet	2.500		22	40-140			M-
Hexachloroethane	1.46	0.250	mg/kg wet	2.500		58	40-140			
Indeno(1,2,3-cd)Pyrene	2.26	0.250	mg/kg wet	2.500		91	40-140			
Isophorone	1.92	0.250	mg/kg wet	2.500		77	40-140			
Naphthalene	1.99	0.250	mg/kg wet	2.500		79	40-140			
Nitrobenzene	2.05	0.250	mg/kg wet	2.500		82	40-140			
N-Nitrosodimethylamine	1.58	0.250	mg/kg wet	2.500		63	40-140			
N-Nitroso-Di-n-Propylamine	1.81	0.250	mg/kg wet	2.500		72	40-140			
N-nitrosodiphenylamine	1.99	0.250	mg/kg wet	2.500		79	40-140			
Pentachlorophenol	1.85	1.25	mg/kg wet	2.500		74	30-130			
Phenanthrene	2.13	0.250	mg/kg wet	2.500		85	40-140			
Phenol	1.69	0.250	mg/kg wet	2.500		68	30-130			
Pyrene	1.94	0.250	mg/kg wet	2.500		78	40-140			
Pyridine	1.26	1.25	mg/kg wet	2.500		50	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.17*		mg/kg wet	*2.500*		*87*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Surrogate: 2,4,6-Tribromophenol	*3.41*		mg/kg wet	*3.750*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.75*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.93*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*3.01*		mg/kg wet	*3.750*		*80*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.05*		mg/kg wet	*2.500*		*82*	*30-130*			
Surrogate: Phenol-d6	*3.14*		mg/kg wet	*3.750*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.13*		mg/kg wet	*2.500*		*85*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.89	0.250	mg/kg wet	2.500		76	40-140	3	30	
1,2,4-Trichlorobenzene	2.08	0.250	mg/kg wet	2.500		83	40-140	0.2	30	
1,2-Dichlorobenzene	2.12	0.250	mg/kg wet	2.500		85	40-140	0.05	30	
1,3-Dichlorobenzene	1.95	0.250	mg/kg wet	2.500		78	40-140	3	30	
1,4-Dichlorobenzene	2.00	0.250	mg/kg wet	2.500		80	40-140	4	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.05	0.250	mg/kg wet	2.500		82	30-130	5	30	
2,4,6-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	2	30	
2,4-Dichlorophenol	2.34	0.250	mg/kg wet	2.500		94	30-130	3	30	
2,4-Dimethylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130	8	30	
2,4-Dinitrophenol	1.88	1.25	mg/kg wet	2.500		75	30-130	4	30	
2,4-Dinitrotoluene	2.20	0.250	mg/kg wet	2.500		88	40-140	1	30	
2,6-Dinitrotoluene	2.05	0.250	mg/kg wet	2.500		82	40-140	2	30	
2-Chloronaphthalene	1.40	0.250	mg/kg wet	2.500		56	40-140	21	30	
2-Chlorophenol	1.81	0.250	mg/kg wet	2.500		72	30-130	2	30	
2-Methylnaphthalene	1.94	0.250	mg/kg wet	2.500		78	40-140	8	30	
2-Methylphenol	2.12	0.250	mg/kg wet	2.500		85	30-130	0.2	30	
2-Nitroaniline	2.13	0.250	mg/kg wet	2.500		85	40-140	0.4	30	
2-Nitrophenol	2.13	0.250	mg/kg wet	2.500		85	30-130	0.6	30	
3,3'-Dichlorobenzidine	2.06	0.500	mg/kg wet	2.500		82	40-140	1	30	
3+4-Methylphenol	4.24	0.500	mg/kg wet	5.000		85	30-130	2	30	
3-Nitroaniline	1.49	0.250	mg/kg wet	2.500		60	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.32	1.25	mg/kg wet	2.500		93	30-130	4	30	
4-Bromophenyl-phenylether	2.27	0.250	mg/kg wet	2.500		91	40-140	1	30	
4-Chloro-3-Methylphenol	2.34	0.250	mg/kg wet	2.500		94	30-130	2	30	
4-Chloroaniline	0.943	0.500	mg/kg wet	2.500		38	40-140	7	30	M-
4-Chloro-phenyl-phenyl ether	2.24	0.250	mg/kg wet	2.500		89	40-140	5	30	
4-Nitroaniline	2.26	0.250	mg/kg wet	2.500		90	40-140	0.03	30	
4-Nitrophenol	1.29	1.25	mg/kg wet	2.500		52	30-130	9	30	
Acenaphthene	2.06	0.250	mg/kg wet	2.500		83	40-140	2	30	
Acenaphthylene	1.85	0.250	mg/kg wet	2.500		74	40-140	5	30	
Acetophenone	2.11	0.500	mg/kg wet	2.500		84	40-140	0.2	30	
Aniline	1.27	1.25	mg/kg wet	2.500		51	40-140	1	30	
Anthracene	2.08	0.250	mg/kg wet	2.500		83	40-140	2	30	
Azobenzene	1.76	0.250	mg/kg wet	2.500		70	40-140	2	30	
Benzo(a)anthracene	2.17	0.250	mg/kg wet	2.500		87	40-140	0.01	30	
Benzo(a)pyrene	2.20	0.125	mg/kg wet	2.500		88	40-140	0.2	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Benzo(b)fluoranthene	2.37	0.250	mg/kg wet	2.500		95	40-140	2	30	
Benzo(g,h,i)perylene	2.14	0.250	mg/kg wet	2.500		86	40-140	2	30	
Benzo(k)fluoranthene	2.03	0.250	mg/kg wet	2.500		81	40-140	1	30	
Benzoic Acid	1.90	1.25	mg/kg wet	2.500		76	40-140	8	30	
Benzyl Alcohol	1.67	0.250	mg/kg wet	2.500		67	40-140	0.01	30	
bis(2-Chloroethoxy)methane	1.82	0.250	mg/kg wet	2.500		73	40-140	8	30	
bis(2-Chloroethyl)ether	1.91	0.250	mg/kg wet	2.500		76	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.06	0.250	mg/kg wet	2.500		82	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.10	0.250	mg/kg wet	2.500		84	40-140	0.6	30	
Butylbenzylphthalate	2.12	0.250	mg/kg wet	2.500		85	40-140	0	30	
Carbazole	2.30	0.250	mg/kg wet	2.500		92	40-140	0.2	30	
Chrysene	2.10	0.125	mg/kg wet	2.500		84	40-140	1	30	
Dibenzo(a,h)Anthracene	2.31	0.125	mg/kg wet	2.500		92	40-140	2	30	
Dibenzofuran	2.07	0.250	mg/kg wet	2.500		83	40-140	2	30	
Diethylphthalate	2.08	0.250	mg/kg wet	2.500		83	40-140	2	30	
Dimethylphthalate	2.10	0.250	mg/kg wet	2.500		84	40-140	4	30	
Di-n-butylphthalate	2.18	0.250	mg/kg wet	2.500		87	40-140	2	30	
Di-n-octylphthalate	2.23	0.250	mg/kg wet	2.500		89	40-140	2	30	
Fluoranthene	2.32	0.250	mg/kg wet	2.500		93	40-140	2	30	
Fluorene	2.16	0.250	mg/kg wet	2.500		86	40-140	0.8	30	
Hexachlorobenzene	2.23	0.125	mg/kg wet	2.500		89	40-140	0.3	30	
Hexachlorobutadiene	2.29	0.250	mg/kg wet	2.500		92	40-140	3	30	
Hexachlorocyclopentadiene	0.605	1.25	mg/kg wet	2.500		24	40-140	7	30	M-
Hexachloroethane	1.53	0.250	mg/kg wet	2.500		61	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.26	0.250	mg/kg wet	2.500		91	40-140	0.07	30	
Isophorone	1.72	0.250	mg/kg wet	2.500		69	40-140	11	30	
Naphthalene	1.85	0.250	mg/kg wet	2.500		74	40-140	7	30	
Nitrobenzene	1.74	0.250	mg/kg wet	2.500		69	40-140	16	30	
N-Nitrosodimethylamine	1.56	0.250	mg/kg wet	2.500		62	40-140	1	30	
N-Nitroso-Di-n-Propylamine	1.62	0.250	mg/kg wet	2.500		65	40-140	11	30	
N-nitrosodiphenylamine	2.04	0.250	mg/kg wet	2.500		82	40-140	3	30	
Pentachlorophenol	1.86	1.25	mg/kg wet	2.500		75	30-130	0.6	30	
Phenanthrene	2.16	0.250	mg/kg wet	2.500		86	40-140	1	30	
Phenol	1.63	0.250	mg/kg wet	2.500		65	30-130	4	30	
Pyrene	1.92	0.250	mg/kg wet	2.500		77	40-140	0.9	30	
Pyridine	1.25	1.25	mg/kg wet	2.500		50	40-140	0.7	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*2.500*		*86*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.39*		mg/kg wet	*3.750*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.85*		mg/kg wet	*3.750*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.91*		mg/kg wet	*2.500*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*2.85*		mg/kg wet	*3.750*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.92*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: Phenol-d6	*3.14*		mg/kg wet	*3.750*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.10*		mg/kg wet	*2.500*		*84*	*30-130*			
Classical Chemistry										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch BC81802 - General Preparation										
Duplicate	**Source: 0803202-02**									
Corrosivity (pH)	7.50		S.U.		7.51			0.1	200	

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
D	Diluted.
C+	Continuing Calibration recovery is above upper control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 2-day (48 hrs)
If faster than 5 days, prior approval by laboratory is required #_____
Reporting Limits

ESS LAB PROJECT ID: 0803202

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____

Electronic Deliverable ___ Yes ___ No

Is this project for ~~any of the~~ following:
MA-MCP (Navy) USACE Other _____

Format: Excel__ Access __ PDF__ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TK5K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	TCLP Pb	pH			
1	3/17/08	0900	X		S	OFFTA-WC14	1/6	5	G	X	X	X		X	X	X			X	X			
2	3/17/08		X		S	OFFTA-WC05	↓	↓	↓	↓	↓	↓		↓	↓	↓			↓	↓			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No Internal Use Only

Seals Intact ___ Yes ___ No NA: ✓ [✓ Pickup

Cooler Temp: 3.6°C [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3/17/08 1530	[signature]	3/17/08 1530	[signature]	3/17/08 4:16	[signature]	3/17/08 16:16
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0803252

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 24, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on March 20, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803252-01	Soil	OFFTA-WCT-01
0803252-02	Soil	OFFTA-WCT-02
0803252-03	Soil	OFFTA-WCT-03
0803252-04	Soil	OFFTA-WCT-04
0803252-05	Soil	OFFTA-WCT-05
0803252-06	Soil	OFFTA-WCT-06

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803252

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-01
Date Sampled: 03/19/08 10:35
Percent Solids: 82

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-01
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**0.029**	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-01
Date Sampled: 03/19/08 10:35
Percent Solids: 82

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**720**	mg/kg dry	8.1	6010B	150	1	SVD	03/20/08	1.5	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-02
Date Sampled: 03/19/08 11:05
Percent Solids: 85

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-02
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**0.041**	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-02
Date Sampled: 03/19/08 11:05
Percent Solids: 85

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-02
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**1180**	mg/kg dry	36.6	6010B	150	5	SVD	03/21/08	1.61	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-03
Date Sampled: 03/19/08 11:50
Percent Solids: 83

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-03
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-03
Date Sampled: 03/19/08 11:50
Percent Solids: 83

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**1380**	mg/kg dry	8.0	6010B	150	1	SVD	03/20/08	1.5	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-04
Date Sampled: 03/19/08 13:10
Percent Solids: 82

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-04
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**0.069**	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-04
Date Sampled: 03/19/08 13:10
Percent Solids: 82

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-04
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**2130**	mg/kg dry	38.6	6010B	150	5	SVD	03/21/08	1.58	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-05
Date Sampled: 03/19/08 13:35
Percent Solids: 83

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-05
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-05
Date Sampled: 03/19/08 13:35
Percent Solids: 83

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**199**	mg/kg dry	7.6	6010B	150	1	SVD	03/20/08	1.58	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-06
Date Sampled: 03/19/08 14:12
Percent Solids: 84

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-06
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WCT-06
Date Sampled: 03/19/08 14:12
Percent Solids: 84

ESS Laboratory Work Order: 0803252
ESS Laboratory Sample ID: 0803252-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**333**	mg/kg dry	7.3	6010B	150	1	SVD	03/20/08	1.63	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803252

Quality Control Data

Analyte		Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals											
Batch BC82108 - 3005A											
Blank											
Lead		ND	0.020	mg/L							
Blank											
Lead		ND	0.020	mg/L							
LCS											
Lead		0.496	0.020	mg/L	0.5000		99	80-120			
LCS Dup											
Lead		0.485	0.020	mg/L	0.5000		97	80-120	2	20	
Duplicate	**Source: 0803252-06**										
Lead		0.016	0.020	mg/L		0.017			1	20	
Matrix Spike	**Source: 0803252-06**										
Lead		0.498	0.020	mg/L	0.5000	0.017	96	75-125			
3050B/6000/7000 Total Metals											
Batch BC82016 - 3050B											
Blank											
Lead		ND	6.7	mg/kg wet							
LCS											
Lead		33.3	6.7	mg/kg wet	33.33		100	80-120			
LCS Dup											
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120	2	20	
Duplicate	**Source: 0803252-06**										
Lead		312	7.2	mg/kg dry		333			6	35	
Matrix Spike	**Source: 0803252-06**										
Lead		378	7.4	mg/kg dry	36.97	333	122	75-125			
Reference											
Lead		85.3	10.0	mg/kg wet	88.90		96	81.78-118.11			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803252

Notes and Definitions

U	Analyte included in the analysis, but not detected
D	Diluted.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803252

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

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185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 48 hour
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA RI CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP Navy USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0803252

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF✓ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TK & K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	TCLP Pb	Total Pb			
1	3/19/08	1035	X		S	OFFTA-WCT-01	1	1	G										X	X			
2	↓	1105	↓		↓	-02	↓	↓	↓										↓	↓			
3		1150				-03																	
4		1310				-04																	
5		1335				-05																	
6	↓	1412	↓		S	-06	↓	↓	↓										↓	↓			
				SJD 3-20-08																			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 5.2°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3/19/08 1713	[signature]	3/20/08 12:30	[signature]	3/20/08 13:40	[signature]	3-20-08 1340
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

FAX

Date: 3/25/08

To: Lawrence Kahrs

Company: TK&K Services

Project Name: Newport OFFTA

ESS Work Order: 0803251

Fax: (xxx) xxx-xxxx

Comments:

8270 Semi Voa analysis:

Sample WS-1 was a concrete sample. A matrix spike was performed and most of the acidic compounds (phenolics) were outside of control limits. Caustic samples, like concrete, interfere with the recovery of phenolic compounds.

Our certified laboratory provides a full range of services, including the following:

- -Soil Characterization
- -Petroleum Fingerprinting
- -Priority Pollutant Analysis
- -Groundwater, Wastewater and Drinking Water Analyses
- -PCBs and Pesticides Analysis
- -Trace Metals (ICAP/Furnace) Analysis
- -Inorganic Analysis by Classic Methods, Flow Analyzer, and Ion Chromatography
- -Organics by GC/Mass Spectroscopy
- -Microbiology Analysis
- -Massachusetts EPH/VPH Analysis
- -Siloxanes
- -Field Screening and Sample Technician Services

ESS Laboratory will be closed for the following 2007 holidays:

Monday, January 1, 2007 in observance of New Year's Day
Monday, May 28, 2007 in observance of Memorial Day
Wednsday, July 4, 2007 in observance of Independence Day
Monday, September 3, 2007 in observance of Labor Day
Monday, October 8, 2007 in observance of Columbus Day
Thursday & Friday, November 22 & 23, 2007 in observance of Thanksgiving
Monday & Tuesday, December 24 & 25, 2007 in observance of Christmas
Monday & Tuesday, December 31, 2007 and January 1, 2008 in observance of the New Year

This message is meant for the use of the individual or entity to which it is addressed. This fax may contain privileged or confidential information that is intended for the recipient only. Any copying or unauthorized distribution of the enclosed information is prohibited. If you have received this communication incorrectly, please notify us immediately. Thank you for your cooperation

Number of pages (including this cover): _____

Date:_____ Faxed: ____ Initials:_____ Time:_____

185 Frances Avenue, Cranston, RI 02910-2211 Tel: 401-461-7181 Fax: 401-461-4486 http://www.ESSLaboratory.com

Dependability ♦ Quality ♦ Service

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0803251

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 25, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on March 20, 2008 for the analyses specified on the enclosed Chain of Custody Record.
Sample ID#s WS-1 and DPWE-120 were preserved at the laboratory for GRO analysis.

Laboratory ID	Matrix	Client SampleID
0803251-01	Solid	Concrete WS-1
0803251-02	Soil	WCT-07
0803251-03	Soil	WCT-08
0803251-04	Soil	WCT-09
0803251-05	Soil	WCT-10
0803251-06	Soil	WCT-11
0803251-07	Soil	DPWE-120

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BC82016-DUP1 **Relative percent difference for duplicate is outside of criteria.**
Lead

5035/8260B Volatile Organic Compounds / Methanol

BC82117-MS1 **Matrix Spike recovery is above upper control limit.**
Tetrachloroethene

BC82117-MS1 **Matrix Spike recovery is below lower control limit.**
1,1,2,2-Tetrachloroethane, Vinyl Acetate

BC82117-MSD1 **Matrix Spike recovery is above upper control limit.**
Tetrachloroethene

BC82117-MSD1 **Matrix Spike recovery is below lower control limit.**
1,1,2,2-Tetrachloroethane, Vinyl Acetate

8270C Semi-Volatile Organic Compounds

0803251-01 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

BC82024-BS1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Pyridine

BC82024-BSD1 **Blank Spike recovery is below lower control limit.**
2,4-Dinitrophenol, 4-Chloroaniline, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitrosodimethylamine, Pyridine

BC82024-BSD1 **Relative percent difference for duplicate is outside of criteria.**
Benzoic Acid

BC82024-MS1 **Matrix Spike recovery is below lower control limit.**
2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 3+4-Methylphenol, 4,6-Dinitro-2-Methylphenol, 4-Chloro-3-Methylphenol, 4-Nitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Pentachlorophenol, Phenol, Pyridine

BC82024-MS1 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

BC82024-MSD1 **Matrix Spike recovery is below lower control limit.**
2,3,4,6-Tetrachlorophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 4,6-Dinitro-2-Methylphenol, 4-Chloro-3-Methylphenol, 4-Chloroaniline, 4-Nitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, Pentachlorophenol, Phenol, Pyridine

BC82024-MSD1 **Relative percent difference for duplicate is outside of criteria.**
3+4-Methylphenol, 4-Chloro-3-Methylphenol, Phenol

BC82024-MSD1 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

BRC0183-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Benzoic Acid

BRC0183-CCV1 **Continuing Calibration recovery is above upper control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**3.9**	mg/kg wet	3.1	6010B	7	1	SVD	03/20/08	1.6	100
Barium	**49.9**	mg/kg wet	3.1	6010B	5500	1	SVD	03/20/08	1.6	100
Cadmium	ND	mg/kg wet	0.63	6010B	39	1	SVD	03/20/08	1.6	100
Chromium	**11.9**	mg/kg wet	1.2	6010B	1400	1	SVD	03/20/08	1.6	100
Lead	**35.5**	mg/kg wet	6.3	6010B	150	1	SVD	03/20/08	1.6	100
Mercury	ND	mg/kg wet	0.032	7471A	23	1	JP	03/21/08	0.61	40
Selenium	ND	mg/kg wet	6.3	6010B	390	1	SVD	03/20/08	1.6	100
Silver	ND	mg/kg wet	0.63	6010B	200	1	SVD	03/20/08	1.6	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 13.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane	ND	mg/kg wet	0.109	0.0359	2.2	1	03/21/08
1,1,1-Trichloroethane	ND	mg/kg wet	0.0543	0.0141	540	1	03/21/08
1,1,2,2-Tetrachloroethane	ND	mg/kg wet	0.0543	0.0163	1.3	1	03/21/08
1,1,2-Trichloroethane	ND	mg/kg wet	0.0543	0.0174	3.6	1	03/21/08
1,1-Dichloroethane	ND	mg/kg wet	0.0543	0.0152	920	1	03/21/08
1,1-Dichloroethene	ND	mg/kg wet	0.0543	0.0130	0.2	1	03/21/08
1,1-Dichloropropene	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
1,2,3-Trichlorobenzene	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
1,2,3-Trichloropropane	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
1,2,4-Trichlorobenzene	ND	mg/kg wet	0.0543	0.0120	96	1	03/21/08
1,2,4-Trimethylbenzene	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
1,2-Dibromo-3-Chloropropane	ND	mg/kg wet	0.326	0.109	0.5	1	03/21/08
1,2-Dibromoethane	ND	mg/kg wet	0.0543	0.0120	0.01	1	03/21/08
1,2-Dichlorobenzene	ND	mg/kg wet	0.0543	0.0120	510	1	03/21/08
1,2-Dichloroethane	ND	mg/kg wet	0.0543	0.0120	0.9	1	03/21/08
1,2-Dichloropropane	ND	mg/kg wet	0.0543	0.0152	1.9	1	03/21/08
1,3,5-Trimethylbenzene	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
1,3-Dichlorobenzene	ND	mg/kg wet	0.0543	0.0130	430	1	03/21/08
1,3-Dichloropropane	ND	mg/kg wet	0.0543	0.0109		1	03/21/08
1,4-Dichlorobenzene	ND	mg/kg wet	0.0543	0.0141	27	1	03/21/08
1,4-Dioxane - Screen	ND	mg/kg wet	5.43	2.72		1	03/21/08
1-Chlorohexane	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
2,2-Dichloropropane	ND	mg/kg wet	0.109	0.0272		1	03/21/08
2-Butanone	ND	mg/kg wet	1.36	0.272	10000	1	03/21/08
2-Chlorotoluene	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
2-Hexanone	ND	mg/kg wet	0.543	0.0761		1	03/21/08
4-Chlorotoluene	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
4-Isopropyltoluene	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
4-Methyl-2-Pentanone	ND	mg/kg wet	0.543	0.0761	1200	1	03/21/08
Acetone	ND	mg/kg wet	1.36	0.435	7800	1	03/21/08
Benzene	ND	mg/kg wet	0.0543	0.0163	2.5	1	03/21/08
Bromobenzene	ND	mg/kg wet	0.0543	0.0120		1	03/21/08
Bromochloromethane	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
Bromodichloromethane	ND	mg/kg wet	0.0543	0.0152	10	1	03/21/08
Bromoform	ND	mg/kg wet	0.0543	0.0174	81	1	03/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 13.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg wet	0.109	0.0272	0.8	1	03/21/08
Carbon Disulfide	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
Carbon Tetrachloride	ND	mg/kg wet	0.0543	0.0152	1.5	1	03/21/08
Chlorobenzene	ND	mg/kg wet	0.0543	0.0120	210	1	03/21/08
Chloroethane	ND	mg/kg wet	0.109	0.0359		1	03/21/08
Chloroform	ND	mg/kg wet	0.0543	0.0130	1.2	1	03/21/08
Chloromethane	ND	mg/kg wet	0.109	0.0174		1	03/21/08
cis-1,2-Dichloroethene	ND	mg/kg wet	0.0543	0.0163	630	1	03/21/08
cis-1,3-Dichloropropene	ND	mg/kg wet	0.0543	0.0120		1	03/21/08
Dibromochloromethane	ND	mg/kg wet	0.0543	0.0109	7.6	1	03/21/08
Dibromomethane	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
Dichlorodifluoromethane	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
Diethyl Ether	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
Di-isopropyl ether	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
Ethyl tertiary-butyl ether	ND	mg/kg wet	0.0543	0.0109		1	03/21/08
Ethylbenzene	ND	mg/kg wet	0.0543	0.0130	71	1	03/21/08
Hexachlorobutadiene	ND	mg/kg wet	0.0543	0.0174	8.2	1	03/21/08
Isopropylbenzene	ND	mg/kg wet	0.0543	0.0120	27	1	03/21/08
Methyl tert-Butyl Ether	ND	mg/kg wet	0.0543	0.0130	390	1	03/21/08
Methylene Chloride	ND	mg/kg wet	0.272	0.0217	45	1	03/21/08
Naphthalene	ND	mg/kg wet	0.0543	0.0163	54	1	03/21/08
n-Butylbenzene	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
n-Propylbenzene	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
sec-Butylbenzene	ND	mg/kg wet	0.0543	0.0141		1	03/21/08
Styrene	ND	mg/kg wet	0.0543	0.0141	13	1	03/21/08
tert-Butylbenzene	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
Tertiary-amyl methyl ether	ND	mg/kg wet	0.0543	0.0163		1	03/21/08
Tetrachloroethene	ND	mg/kg wet	0.0543	0.0174	12	1	03/21/08
Tetrahydrofuran	ND	mg/kg wet	0.543	0.141		1	03/21/08
Toluene	ND	mg/kg wet	0.0543	0.0152	190	1	03/21/08
trans-1,2-Dichloroethene	ND	mg/kg wet	0.0543	0.0174	1100	1	03/21/08
trans-1,3-Dichloropropene	ND	mg/kg wet	0.0543	0.0130		1	03/21/08
Trichloroethene	ND	mg/kg wet	0.0543	0.0130	13	1	03/21/08
Trichlorofluoromethane	ND	mg/kg wet	0.0543	0.0152		1	03/21/08
Vinyl Acetate	ND	mg/kg wet	0.272	0.0217		1	03/21/08
Vinyl Chloride	ND	mg/kg wet	0.0543	0.0130	0.02	1	03/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 13.8
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg wet	0.0543	0.0109	110	1	03/21/08
Xylene P,M	ND	mg/kg wet	0.109	0.0272	110	1	03/21/08
Xylenes (Total)	ND	mg/kg wet	0.163		110	1	03/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*80 %*		*70-130*
Surrogate: Dibromofluoromethane	*80 %*		*70-130*
Surrogate: Toluene-d8	*81 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 10
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: SEP
Prepared: 03/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg wet	75.0		1	03/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 10.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: MD
Prepared: 03/20/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg wet	1.72		1	03/20/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*108 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*80 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 10.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: SEP
Prepared: 03/20/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1221	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1232	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1242	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1248	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1254	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1260	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1262	ND	mg/kg wet	0.0990	10	1	03/20/08
Aroclor 1268	ND	mg/kg wet	0.0990	10	1	03/20/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*68 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*74 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*82 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: VSC
Prepared: 03/20/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg wet	0.333	0.8	1	03/21/08
1,2,4-Trichlorobenzene	ND	mg/kg wet	0.333	96	1	03/21/08
1,2-Dichlorobenzene	ND	mg/kg wet	0.333	510	1	03/21/08
1,3-Dichlorobenzene	ND	mg/kg wet	0.333	430	1	03/21/08
1,4-Dichlorobenzene	ND	mg/kg wet	0.333	27	1	03/21/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg wet	1.67		1	03/21/08
2,4,5-Trichlorophenol	ND	mg/kg wet	0.333	330	1	03/21/08
2,4,6-Trichlorophenol	ND	mg/kg wet	0.333	58	1	03/21/08
2,4-Dichlorophenol	ND	mg/kg wet	0.333	30	1	03/21/08
2,4-Dimethylphenol	ND	mg/kg wet	0.333	1400	1	03/21/08
2,4-Dinitrophenol	ND	mg/kg wet	1.67	160	1	03/21/08
2,4-Dinitrotoluene	ND	mg/kg wet	0.333	0.9	1	03/21/08
2,6-Dinitrotoluene	ND	mg/kg wet	0.333		1	03/21/08
2-Chloronaphthalene	ND	mg/kg wet	0.333		1	03/21/08
2-Chlorophenol	ND	mg/kg wet	0.333	50	1	03/21/08
2-Methylnaphthalene	ND	mg/kg wet	0.333	123	1	03/21/08
2-Methylphenol	ND	mg/kg wet	0.333		1	03/21/08
2-Nitroaniline	ND	mg/kg wet	0.333		1	03/21/08
2-Nitrophenol	ND	mg/kg wet	0.333		1	03/21/08
3,3'-Dichlorobenzidine	ND	mg/kg wet	0.667	1.4	1	03/21/08
3+4-Methylphenol	ND	mg/kg wet	0.667		1	03/21/08
3-Nitroaniline	ND	mg/kg wet	0.333		1	03/21/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg wet	1.67		1	03/21/08
4-Bromophenyl-phenylether	ND	mg/kg wet	0.333		1	03/21/08
4-Chloro-3-Methylphenol	ND	mg/kg wet	0.333		1	03/21/08
4-Chloroaniline	ND	mg/kg wet	0.667	310	1	03/21/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg wet	0.333		1	03/21/08
4-Nitroaniline	ND	mg/kg wet	0.333		1	03/21/08
4-Nitrophenol	ND	mg/kg wet	1.67		1	03/21/08
Acenaphthene	ND	mg/kg wet	0.333	43	1	03/21/08
Acenaphthylene	ND	mg/kg wet	0.333	23	1	03/21/08
Acetophenone	ND	mg/kg wet	0.667		1	03/21/08
Aniline	ND	mg/kg wet	1.67		1	03/21/08
Anthracene	ND	mg/kg wet	0.333	35	1	03/21/08
Azobenzene	ND	mg/kg wet	0.333		1	03/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: VSC
Prepared: 03/20/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	ND	mg/kg wet	0.333	0.9	1	03/21/08
Benzo(a)pyrene	ND	mg/kg wet	0.167	0.4	1	03/21/08
Benzo(b)fluoranthene	ND	mg/kg wet	0.333	0.9	1	03/21/08
Benzo(g,h,i)perylene	ND	mg/kg wet	0.333	0.8	1	03/21/08
Benzo(k)fluoranthene	ND	mg/kg wet	0.333	0.9	1	03/21/08
Benzoic Acid	ND	mg/kg wet	1.67		1	03/21/08
Benzyl Alcohol	ND	mg/kg wet	0.333		1	03/21/08
bis(2-Chloroethoxy)methane	ND	mg/kg wet	0.333		1	03/21/08
bis(2-Chloroethyl)ether	ND	mg/kg wet	0.333	0.6	1	03/21/08
bis(2-chloroisopropyl)Ether	ND	mg/kg wet	0.333	9.1	1	03/21/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg wet	0.333	46	1	03/21/08
Butylbenzylphthalate	ND	mg/kg wet	0.333		1	03/21/08
Carbazole	ND	mg/kg wet	0.333		1	03/21/08
Chrysene	ND	mg/kg wet	0.167	0.4	1	03/21/08
Dibenzo(a,h)Anthracene	ND	mg/kg wet	0.167	0.4	1	03/21/08
Dibenzofuran	ND	mg/kg wet	0.333		1	03/21/08
Diethylphthalate	ND	mg/kg wet	0.333	340	1	03/21/08
Dimethylphthalate	ND	mg/kg wet	0.333	1900	1	03/21/08
Di-n-butylphthalate	ND	mg/kg wet	0.333		1	03/21/08
Di-n-octylphthalate	ND	mg/kg wet	0.333		1	03/21/08
Fluoranthene	ND	mg/kg wet	0.333	20	1	03/21/08
Fluorene	ND	mg/kg wet	0.333	28	1	03/21/08
Hexachlorobenzene	ND	mg/kg wet	0.167	0.4	1	03/21/08
Hexachlorobutadiene	ND	mg/kg wet	0.333	8.2	1	03/21/08
Hexachlorocyclopentadiene	ND	mg/kg wet	1.67		1	03/21/08
Hexachloroethane	ND	mg/kg wet	0.333	46	1	03/21/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg wet	0.333	0.9	1	03/21/08
Isophorone	ND	mg/kg wet	0.333		1	03/21/08
Naphthalene	ND	mg/kg wet	0.333	54	1	03/21/08
Nitrobenzene	ND	mg/kg wet	0.333		1	03/21/08
N-Nitrosodimethylamine	ND	mg/kg wet	0.333		1	03/21/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg wet	0.333		1	03/21/08
N-nitrosodiphenylamine	ND	mg/kg wet	0.333		1	03/21/08
Pentachlorophenol	ND	mg/kg wet	1.67	5.3	1	03/21/08
Phenanthrene	ND	mg/kg wet	0.333	40	1	03/21/08
Phenol	ND	mg/kg wet	0.333	6000	1	03/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid
Analyst: VSC
Prepared: 03/20/08

8270C Semi-Volatile Organic Compounds

Pyrene	ND	mg/kg wet	0.333	13	1	03/21/08
Pyridine	ND	mg/kg wet	1.67		1	03/21/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*%*	*SC*	*30-130*
Surrogate: 2-Chlorophenol-d4	*4 %*	*SC*	*30-130*
Surrogate: 2-Fluorobiphenyl	*56 %*		*30-130*
Surrogate: 2-Fluorophenol	*3 %*	*SC*	*30-130*
Surrogate: Nitrobenzene-d5	*51 %*		*30-130*
Surrogate: Phenol-d6	*12 %*	*SC*	*30-130*
Surrogate: p-Terphenyl-d14	*73 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: Concrete WS-1
Date Sampled: 03/20/08 11:00
Percent Solids: N/A

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-01
Sample Matrix: Solid

Classical Chemistry

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed
Corrosivity (pH)	**11.5**	S.U.	N/A	9045		1	EEM	03/20/08 14:10

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-07
Date Sampled: 03/20/08 09:30
Percent Solids: 86

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-02
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-07
Date Sampled: 03/20/08 09:30
Percent Solids: 86

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-02
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**369**	mg/kg dry	38.0	6010B	150	5	SVD	03/21/08	1.53	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-08
Date Sampled: 03/20/08 09:30
Percent Solids: 86

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-03
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-08
Date Sampled: 03/20/08 09:30
Percent Solids: 86

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Lead	**523**	mg/kg dry	38.0	6010B	150	5	SVD	03/21/08	1.53	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-09
Date Sampled: 03/20/08 09:30
Percent Solids: 85

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-04
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	0.043	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-09
Date Sampled: 03/20/08 09:30
Percent Solids: 85

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-04
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**355**	mg/kg dry	7.6	6010B	150	1	SVD	03/20/08	1.55	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-10
Date Sampled: 03/20/08 09:30
Percent Solids: 85

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-05
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-10
Date Sampled: 03/20/08 09:30
Percent Solids: 85

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**581**	mg/kg dry	7.8	6010B	150	1	SVD	03/20/08	1.51	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-11
Date Sampled: 03/20/08 09:30
Percent Solids: 84

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-06
Sample Matrix: Soil

TCLP Date: 3/20/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	ND	mg/L	0.020	1311/6010B	5	1	SVD	03/21/08	50	50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: WCT-11
Date Sampled: 03/20/08 09:30
Percent Solids: 84

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	223	mg/kg dry	39.4	6010B	150	5	SVD	03/21/08	1.51	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: DPWE-120
Date Sampled: 03/20/08 09:30
Percent Solids: 87
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-07
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**147**	mg/kg dry	42.9		1	03/22/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: DPWE-120
Date Sampled: 03/20/08 09:30
Percent Solids: 87
Initial Volume: 12.5
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803251
ESS Laboratory Sample ID: 0803251-07
Sample Matrix: Soil
Analyst: MD
Prepared: 03/20/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	ND	mg/kg dry	1.91		1	03/20/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*120 %*		*70-130*
Surrogate: Trifluorotoluene - FID	*86 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte		Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals											
Batch BC82108 - 3005A											
Blank											
Lead		ND	0.020	mg/L							
Blank											
Lead		ND	0.020	mg/L							
LCS											
Lead		0.496	0.020	mg/L	0.5000		99	80-120			
LCS Dup											
Lead		0.485	0.020	mg/L	0.5000		97	80-120	2	20	
Duplicate	**Source: 0803251-06**										
Lead		0.012	0.020	mg/L		0.010			17	20	
Matrix Spike	**Source: 0803251-06**										
Lead		0.474	0.020	mg/L	0.5000	0.010	93	75-125			
3050B/6000/7000 Total Metals											
Batch BC82016 - 3050B											
Blank											
Arsenic		ND	3.3	mg/kg wet							
Barium		ND	3.3	mg/kg wet							
Cadmium		ND	0.67	mg/kg wet							
Chromium		ND	1.3	mg/kg wet							
Lead		ND	6.7	mg/kg wet							
Selenium		ND	6.7	mg/kg wet							
Silver		ND	0.67	mg/kg wet							
LCS											
Arsenic		30.1	3.3	mg/kg wet	33.33		90	80-120			
Barium		32.9	3.3	mg/kg wet	33.33		99	80-120			
Cadmium		15.4	0.67	mg/kg wet	16.67		92	80-120			
Chromium		33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead		33.3	6.7	mg/kg wet	33.33		100	80-120			
Selenium		59.8	6.7	mg/kg wet	66.67		90	80-120			
Silver		16.4	0.67	mg/kg wet	16.67		99	80-120			
LCS Dup											
Arsenic		30.6	3.3	mg/kg wet	33.33		92	80-120	2	20	
Barium		33.4	3.3	mg/kg wet	33.33		100	80-120	1	20	
Cadmium		15.7	0.67	mg/kg wet	16.67		94	80-120	2	20	
Chromium		33.8	1.3	mg/kg wet	33.33		101	80-120	2	20	
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120	2	20	
Selenium		61.0	6.7	mg/kg wet	66.67		91	80-120	2	20	
Silver		16.7	0.67	mg/kg wet	16.67		100	80-120	2	20	
Duplicate	**Source: 0803251-06**										
Lead		1650	39.2	mg/kg dry		223			152	35	D+
Matrix Spike	**Source: 0803251-06**										
Lead		255	39.4	mg/kg dry	39.42	223	81	75-125			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BC82016 - 3050B										
Reference										
Arsenic	75.0	5.0	mg/kg wet	88.80		85	80.86-119.37			
Barium	402	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	56.7	1.00	mg/kg wet	63.00		90	82.06-117.94			
Chromium	86.7	2.0	mg/kg wet	97.90		89	78.86-120.53			
Lead	85.3	10.0	mg/kg wet	88.90		96	81.78-118.11			
Selenium	143	10.0	mg/kg wet	155.0		92	77.42-122.58			
Silver	76.8	1.00	mg/kg wet	81.60		94	66.3-133.58			
Batch BC82017 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.200	0.033	mg/kg wet	0.2000		100	80-120			
LCS Dup										
Mercury	0.213	0.033	mg/kg wet	0.2000		106	80-120	6	20	
Duplicate **Source: 0803251-01**										
Mercury	0.0073	0.033	mg/kg wet		0.0084			14	35	
Matrix Spike **Source: 0803251-01**										
Mercury	0.255	0.033	mg/kg wet	0.2000	0.0084	123	75-125			
Matrix Spike Dup **Source: 0803251-01**										
Mercury	0.259	0.033	mg/kg wet	0.2000	0.0084	125	75-125	2	35	
Reference										
Mercury	4.87	0.330	mg/kg wet	4.470		109	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.41*		mg/kg wet	*2.500*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.06*		mg/kg wet	*2.500*		*82*	*70-130*			
Surrogate: Dibromofluoromethane	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.10*		mg/kg wet	*2.500*		*84*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	23.9		ug/L	25.00		96	70-130			
1,1,1-Trichloroethane	25.9		ug/L	25.00		104	70-130			
1,1,2,2-Tetrachloroethane	20.8		ug/L	25.00		83	70-130			
1,1,2-Trichloroethane	23.6		ug/L	25.00		95	70-130			
1,1-Dichloroethane	23.6		ug/L	25.00		94	70-130			
1,1-Dichloroethene	27.0		ug/L	25.00		108	70-130			
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130			
1,2,3-Trichlorobenzene	27.8		ug/L	25.00		111	70-130			
1,2,3-Trichloropropane	22.2		ug/L	25.00		89	70-130			
1,2,4-Trichlorobenzene	25.0		ug/L	25.00		100	70-130			
1,2,4-Trimethylbenzene	24.5		ug/L	25.00		98	70-130			
1,2-Dibromo-3-Chloropropane	24.7		ug/L	25.00		99	70-130			
1,2-Dibromoethane	24.0		ug/L	25.00		96	70-130			
1,2-Dichlorobenzene	23.9		ug/L	25.00		95	70-130			
1,2-Dichloroethane	26.3		ug/L	25.00		105	70-130			
1,2-Dichloropropane	22.7		ug/L	25.00		91	70-130			
1,3,5-Trimethylbenzene	23.8		ug/L	25.00		95	70-130			
1,3-Dichlorobenzene	24.3		ug/L	25.00		97	70-130			
1,3-Dichloropropane	22.6		ug/L	25.00		90	70-130			
1,4-Dichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,4-Dioxane - Screen	787		ug/L	500.0		157	44-241			
1-Chlorohexane	22.4		ug/L	25.00		90	70-130			
2,2-Dichloropropane	30.4		ug/L	25.00		122	70-130			
2-Butanone	137		ug/L	125.0		110	70-130			
2-Chlorotoluene	25.8		ug/L	25.00		103	70-130			
2-Hexanone	119		ug/L	125.0		95	70-130			
4-Chlorotoluene	22.9		ug/L	25.00		92	70-130			
4-Isopropyltoluene	23.5		ug/L	25.00		94	70-130			
4-Methyl-2-Pentanone	107		ug/L	125.0		85	70-130			
Acetone	119		ug/L	125.0		96	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Bromobenzene	24.1		ug/L	25.00		97	70-130			
Bromochloromethane	24.7		ug/L	25.00		99	70-130			
Bromodichloromethane	26.7		ug/L	25.00		107	70-130			
Bromoform	25.6		ug/L	25.00		102	70-130			
Bromomethane	27.1		ug/L	25.00		109	70-130			
Carbon Disulfide	24.6		ug/L	25.00		99	70-130			
Carbon Tetrachloride	27.7		ug/L	25.00		111	70-130			
Chlorobenzene	23.9		ug/L	25.00		96	70-130			
Chloroethane	26.6		ug/L	25.00		107	70-130			
Chloroform	24.4		ug/L	25.00		98	70-130			
Chloromethane	18.4		ug/L	25.00		74	70-130			
cis-1,2-Dichloroethene	25.8		ug/L	25.00		103	70-130			
cis-1,3-Dichloropropene	24.2		ug/L	25.00		97	70-130			
Dibromochloromethane	26.2		ug/L	25.00		105	70-130			
Dibromomethane	24.4		ug/L	25.00		98	70-130			
Dichlorodifluoromethane	18.7		ug/L	25.00		75	70-130			
Diethyl Ether	24.6		ug/L	25.00		99	70-130			
Di-isopropyl ether	21.9		ug/L	25.00		88	70-130			
Ethyl tertiary-butyl ether	23.2		ug/L	25.00		93	70-130			
Ethylbenzene	23.2		ug/L	25.00		93	70-130			
Hexachlorobutadiene	27.7		ug/L	25.00		111	70-130			
Isopropylbenzene	21.2		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	24.4		ug/L	25.00		97	70-130			
Methylene Chloride	25.0		ug/L	25.00		100	70-130			
Naphthalene	24.3		ug/L	25.00		97	70-130			
n-Butylbenzene	25.4		ug/L	25.00		102	70-130			
n-Propylbenzene	22.6		ug/L	25.00		90	70-130			
sec-Butylbenzene	23.9		ug/L	25.00		96	70-130			
Styrene	23.8		ug/L	25.00		95	70-130			
tert-Butylbenzene	24.2		ug/L	25.00		97	70-130			
Tertiary-amyl methyl ether	23.9		ug/L	25.00		95	70-130			
Tetrachloroethene	25.2		ug/L	25.00		101	70-130			
Tetrahydrofuran	24.0		ug/L	25.00		96	70-130			
Toluene	24.4		ug/L	25.00		98	70-130			
trans-1,2-Dichloroethene	26.4		ug/L	25.00		106	70-130			
trans-1,3-Dichloropropene	22.4		ug/L	25.00		89	70-130			
Trichloroethene	25.0		ug/L	25.00		100	70-130			
Vinyl Acetate	23.3		ug/L	25.00		93	70-130			
Vinyl Chloride	26.2		ug/L	25.00		105	70-130			
Xylene O	24.2		ug/L	25.00		97	70-130			
Xylene P,M	48.4		ug/L	50.00		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.47*		mg/kg wet	*2.500*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.18*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*2.40*		mg/kg wet	*2.500*		*96*	*70-130*			
Surrogate: Toluene-d8	*2.22*		mg/kg wet	*2.500*		*89*	*70-130*			
LCS Dup										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
1,1,1,2-Tetrachloroethane	24.4		ug/L	25.00		98	70-130	2	20	
1,1,1-Trichloroethane	26.5		ug/L	25.00		106	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.1		ug/L	25.00		84	70-130	1	20	
1,1,2-Trichloroethane	24.0		ug/L	25.00		96	70-130	2	20	
1,1-Dichloroethane	23.9		ug/L	25.00		96	70-130	1	20	
1,1-Dichloroethene	27.3		ug/L	25.00		109	70-130	1	20	
1,1-Dichloropropene	25.7		ug/L	25.00		103	70-130	2	20	
1,2,3-Trichlorobenzene	28.3		ug/L	25.00		113	70-130	2	20	
1,2,3-Trichloropropane	22.6		ug/L	25.00		91	70-130	2	20	
1,2,4-Trichlorobenzene	24.9		ug/L	25.00		100	70-130	0.4	20	
1,2,4-Trimethylbenzene	24.6		ug/L	25.00		98	70-130	0.3	20	
1,2-Dibromo-3-Chloropropane	25.5		ug/L	25.00		102	70-130	3	20	
1,2-Dibromoethane	24.4		ug/L	25.00		98	70-130	2	20	
1,2-Dichlorobenzene	24.4		ug/L	25.00		98	70-130	2	20	
1,2-Dichloroethane	27.0		ug/L	25.00		108	70-130	3	20	
1,2-Dichloropropane	23.1		ug/L	25.00		92	70-130	2	20	
1,3,5-Trimethylbenzene	23.8		ug/L	25.00		95	70-130	0.08	20	
1,3-Dichlorobenzene	24.4		ug/L	25.00		98	70-130	0.3	20	
1,3-Dichloropropane	23.0		ug/L	25.00		92	70-130	1	20	
1,4-Dichlorobenzene	23.9		ug/L	25.00		96	70-130	1	20	
1,4-Dioxane - Screen	851		ug/L	500.0		170	44-241	8	200	
1-Chlorohexane	22.4		ug/L	25.00		89	70-130	0.2	20	
2,2-Dichloropropane	30.4		ug/L	25.00		122	70-130	0.03	20	
2-Butanone	141		ug/L	125.0		113	70-130	2	20	
2-Chlorotoluene	22.5		ug/L	25.00		90	70-130	13	20	
2-Hexanone	119		ug/L	125.0		95	70-130	0.02	20	
4-Chlorotoluene	22.9		ug/L	25.00		92	70-130	0.09	20	
4-Isopropyltoluene	23.6		ug/L	25.00		94	70-130	0.3	20	
4-Methyl-2-Pentanone	109		ug/L	125.0		87	70-130	2	20	
Acetone	127		ug/L	125.0		101	70-130	6	20	
Benzene	23.8		ug/L	25.00		95	70-130	1	20	
Bromobenzene	24.3		ug/L	25.00		97	70-130	0.7	20	
Bromochloromethane	24.9		ug/L	25.00		100	70-130	0.8	20	
Bromodichloromethane	27.3		ug/L	25.00		109	70-130	2	20	
Bromoform	26.2		ug/L	25.00		105	70-130	2	20	
Bromomethane	28.2		ug/L	25.00		113	70-130	4	20	
Carbon Disulfide	27.6		ug/L	25.00		110	70-130	11	20	
Carbon Tetrachloride	28.2		ug/L	25.00		113	70-130	2	20	
Chlorobenzene	24.3		ug/L	25.00		97	70-130	2	20	
Chloroethane	26.4		ug/L	25.00		106	70-130	0.8	20	
Chloroform	24.8		ug/L	25.00		99	70-130	2	20	
Chloromethane	18.8		ug/L	25.00		75	70-130	2	20	
cis-1,2-Dichloroethene	26.5		ug/L	25.00		106	70-130	3	20	
cis-1,3-Dichloropropene	24.6		ug/L	25.00		99	70-130	2	20	
Dibromochloromethane	26.6		ug/L	25.00		106	70-130	2	20	
Dibromomethane	24.7		ug/L	25.00		99	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Dichlorodifluoromethane	18.6		ug/L	25.00		74	70-130	0.8	20	
Diethyl Ether	24.8		ug/L	25.00		99	70-130	0.6	20	
Di-isopropyl ether	22.3		ug/L	25.00		89	70-130	2	20	
Ethyl tertiary-butyl ether	23.7		ug/L	25.00		95	70-130	2	20	
Ethylbenzene	23.4		ug/L	25.00		93	70-130	0.8	20	
Hexachlorobutadiene	28.1		ug/L	25.00		112	70-130	1	20	
Isopropylbenzene	21.2		ug/L	25.00		85	70-130	0.2	20	
Methyl tert-Butyl Ether	25.5		ug/L	25.00		102	70-130	5	20	
Methylene Chloride	25.7		ug/L	25.00		103	70-130	3	20	
Naphthalene	24.6		ug/L	25.00		98	70-130	1	20	
n-Butylbenzene	25.6		ug/L	25.00		102	70-130	0.7	20	
n-Propylbenzene	22.3		ug/L	25.00		89	70-130	1	20	
sec-Butylbenzene	23.8		ug/L	25.00		95	70-130	0.5	20	
Styrene	23.7		ug/L	25.00		95	70-130	0.4	20	
tert-Butylbenzene	24.3		ug/L	25.00		97	70-130	0.6	20	
Tertiary-amyl methyl ether	24.5		ug/L	25.00		98	70-130	3	20	
Tetrachloroethene	25.6		ug/L	25.00		102	70-130	2	20	
Tetrahydrofuran	25.2		ug/L	25.00		101	70-130	5	20	
Toluene	24.8		ug/L	25.00		99	70-130	2	20	
trans-1,2-Dichloroethene	27.1		ug/L	25.00		108	70-130	3	20	
trans-1,3-Dichloropropene	23.0		ug/L	25.00		92	70-130	3	20	
Trichloroethene	25.3		ug/L	25.00		101	70-130	1	20	
Vinyl Acetate	24.1		ug/L	25.00		96	70-130	3	20	
Vinyl Chloride	26.1		ug/L	25.00		105	70-130	0.2	20	
Xylene O	24.6		ug/L	25.00		98	70-130	2	20	
Xylene P,M	48.9		ug/L	50.00		98	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.09*		mg/kg wet	*2.500*		*83*	*70-130*			
Surrogate: Dibromofluoromethane	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Toluene-d8	*2.12*		mg/kg wet	*2.500*		*85*	*70-130*			
Matrix Spike Source: 0803251-01										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00	ND	97	70-130			
1,1,1-Trichloroethane	27.2		ug/L	25.00	ND	109	70-130			
1,1,2,2-Tetrachloroethane	16.2		ug/L	25.00	ND	65	70-130			M-
1,1,2-Trichloroethane	24.6		ug/L	25.00	ND	98	70-130			
1,1-Dichloroethane	24.1		ug/L	25.00	ND	96	70-130			
1,1-Dichloroethene	27.4		ug/L	25.00	ND	110	70-130			
1,1-Dichloropropene	25.8		ug/L	25.00	ND	103	70-130			
1,2,3-Trichlorobenzene	27.8		ug/L	25.00	ND	111	70-130			
1,2,3-Trichloropropane	22.3		ug/L	25.00	ND	89	70-130			
1,2,4-Trichlorobenzene	23.8		ug/L	25.00	ND	95	70-130			
1,2,4-Trimethylbenzene	24.0		ug/L	25.00	ND	96	70-130			
1,2-Dibromo-3-Chloropropane	25.8		ug/L	25.00	ND	103	70-130			
1,2-Dibromoethane	24.4		ug/L	25.00	ND	98	70-130			
1,2-Dichlorobenzene	24.1		ug/L	25.00	ND	97	70-130			
1,2-Dichloroethane	28.0		ug/L	25.00	ND	112	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
1,2-Dichloropropane	22.8		ug/L	25.00	ND	91	70-130			
1,3,5-Trimethylbenzene	23.2		ug/L	25.00	ND	93	70-130			
1,3-Dichlorobenzene	23.9		ug/L	25.00	ND	95	70-130			
1,3-Dichloropropane	22.7		ug/L	25.00	ND	91	70-130			
1,4-Dichlorobenzene	23.6		ug/L	25.00	ND	95	70-130			
1,4-Dioxane - Screen	418		ug/L	500.0	ND	84	44-241			
1-Chlorohexane	21.8		ug/L	25.00	ND	87	70-130			
2,2-Dichloropropane	26.4		ug/L	25.00	ND	106	70-130			
2-Butanone	145		ug/L	125.0	ND	116	70-130			
2-Chlorotoluene	23.4		ug/L	25.00	ND	94	70-130			
2-Hexanone	119		ug/L	125.0	ND	95	70-130			
4-Chlorotoluene	22.2		ug/L	25.00	ND	89	70-130			
4-Isopropyltoluene	22.9		ug/L	25.00	ND	92	70-130			
4-Methyl-2-Pentanone	111		ug/L	125.0	ND	88	70-130			
Acetone	141		ug/L	125.0	ND	112	70-130			
Benzene	23.8		ug/L	25.00	ND	95	70-130			
Bromobenzene	24.3		ug/L	25.00	ND	97	70-130			
Bromochloromethane	26.6		ug/L	25.00	ND	107	70-130			
Bromodichloromethane	27.9		ug/L	25.00	ND	112	70-130			
Bromoform	26.4		ug/L	25.00	ND	105	70-130			
Bromomethane	25.7		ug/L	25.00	ND	103	70-130			
Carbon Disulfide	27.7		ug/L	25.00	ND	111	70-130			
Carbon Tetrachloride	28.6		ug/L	25.00	ND	114	70-130			
Chlorobenzene	24.1		ug/L	25.00	ND	96	70-130			
Chloroethane	28.7		ug/L	25.00	ND	115	70-130			
Chloroform	25.9		ug/L	25.00	ND	103	70-130			
Chloromethane	17.5		ug/L	25.00	ND	70	70-130			
cis-1,2-Dichloroethene	26.1		ug/L	25.00	ND	104	70-130			
cis-1,3-Dichloropropene	24.2		ug/L	25.00	ND	97	70-130			
Dibromochloromethane	26.6		ug/L	25.00	ND	106	70-130			
Dibromomethane	25.6		ug/L	25.00	ND	102	70-130			
Dichlorodifluoromethane	18.5		ug/L	25.00	ND	74	70-130			
Diethyl Ether	24.9		ug/L	25.00	ND	100	70-130			
Di-isopropyl ether	22.2		ug/L	25.00	ND	89	70-130			
Ethyl tertiary-butyl ether	24.1		ug/L	25.00	ND	97	70-130			
Ethylbenzene	22.9		ug/L	25.00	ND	92	70-130			
Hexachlorobutadiene	25.6		ug/L	25.00	ND	103	70-130			
Isopropylbenzene	20.6		ug/L	25.00	ND	83	70-130			
Methyl tert-Butyl Ether	26.0		ug/L	25.00	ND	104	70-130			
Methylene Chloride	25.7		ug/L	25.00	0.140	102	70-130			
Naphthalene	23.7		ug/L	25.00	ND	95	70-130			
n-Butylbenzene	23.5		ug/L	25.00	ND	94	70-130			
n-Propylbenzene	22.9		ug/L	25.00	ND	92	70-130			
sec-Butylbenzene	23.4		ug/L	25.00	ND	93	70-130			
Styrene	23.6		ug/L	25.00	ND	95	70-130			
tert-Butylbenzene	18.5		ug/L	25.00	ND	74	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Tertiary-amyl methyl ether	24.7		ug/L	25.00	ND	99	70-130			
Tetrachloroethene	47.5		ug/L	25.00	ND	190	70-130			M+
Tetrahydrofuran	24.0		ug/L	25.00	ND	96	70-130			
Toluene	24.8		ug/L	25.00	ND	99	70-130			
trans-1,2-Dichloroethene	27.1		ug/L	25.00	ND	108	70-130			
trans-1,3-Dichloropropene	23.0		ug/L	25.00	ND	92	70-130			
Trichloroethene	30.2		ug/L	25.00	ND	121	70-130			
Vinyl Acetate	13.1		ug/L	25.00	ND	52	70-130			M-
Vinyl Chloride	25.4		ug/L	25.00	ND	102	70-130			
Xylene O	24.6		ug/L	25.00	ND	98	70-130			
Xylene P,M	48.5		ug/L	50.00	ND	97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.70*		mg/kg wet	*2.717*		*99*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.22*		mg/kg wet	*2.717*		*82*	*70-130*			
Surrogate: Dibromofluoromethane	*2.34*		mg/kg wet	*2.717*		*86*	*70-130*			
Surrogate: Toluene-d8	*2.23*		mg/kg wet	*2.717*		*82*	*70-130*			
Matrix Spike Dup Source: 0803251-01										
1,1,1,2-Tetrachloroethane	24.7		ug/L	25.00	ND	99	70-130	2	20	
1,1,1-Trichloroethane	27.9		ug/L	25.00	ND	111	70-130	3	20	
1,1,2,2-Tetrachloroethane	15.4		ug/L	25.00	ND	62	70-130	5	20	M-
1,1,2-Trichloroethane	23.9		ug/L	25.00	ND	95	70-130	3	20	
1,1-Dichloroethane	24.7		ug/L	25.00	ND	99	70-130	2	20	
1,1-Dichloroethene	28.0		ug/L	25.00	ND	112	70-130	2	20	
1,1-Dichloropropene	26.4		ug/L	25.00	ND	106	70-130	3	20	
1,2,3-Trichlorobenzene	28.8		ug/L	25.00	ND	115	70-130	3	20	
1,2,3-Trichloropropane	21.8		ug/L	25.00	ND	87	70-130	3	20	
1,2,4-Trichlorobenzene	25.3		ug/L	25.00	ND	101	70-130	6	20	
1,2,4-Trimethylbenzene	25.0		ug/L	25.00	ND	100	70-130	4	20	
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00	ND	100	70-130	3	20	
1,2-Dibromoethane	24.2		ug/L	25.00	ND	97	70-130	0.7	20	
1,2-Dichlorobenzene	24.4		ug/L	25.00	ND	98	70-130	1	20	
1,2-Dichloroethane	28.1		ug/L	25.00	ND	112	70-130	0.3	20	
1,2-Dichloropropane	23.4		ug/L	25.00	ND	94	70-130	3	20	
1,3,5-Trimethylbenzene	24.0		ug/L	25.00	ND	96	70-130	3	20	
1,3-Dichlorobenzene	24.2		ug/L	25.00	ND	97	70-130	1	20	
1,3-Dichloropropane	22.7		ug/L	25.00	ND	91	70-130	0.3	20	
1,4-Dichlorobenzene	24.3		ug/L	25.00	ND	97	70-130	3	20	
1,4-Dioxane - Screen	746		ug/L	500.0	ND	149	44-241	56	200	
1-Chlorohexane	22.3		ug/L	25.00	ND	89	70-130	2	20	
2,2-Dichloropropane	26.6		ug/L	25.00	ND	107	70-130	1	20	
2-Butanone	144		ug/L	125.0	ND	115	70-130	0.6	20	
2-Chlorotoluene	24.7		ug/L	25.00	ND	99	70-130	5	20	
2-Hexanone	118		ug/L	125.0	ND	94	70-130	0.7	20	
4-Chlorotoluene	22.9		ug/L	25.00	ND	92	70-130	3	20	
4-Isopropyltoluene	23.8		ug/L	25.00	ND	95	70-130	4	20	
4-Methyl-2-Pentanone	109		ug/L	125.0	ND	87	70-130	2	20	
Acetone	142		ug/L	125.0	ND	114	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC82117 - 5035										
Benzene	24.2		ug/L	25.00	ND	97	70-130	2	20	
Bromobenzene	24.7		ug/L	25.00	ND	99	70-130	2	20	
Bromochloromethane	25.8		ug/L	25.00	ND	103	70-130	3	20	
Bromodichloromethane	28.2		ug/L	25.00	ND	113	70-130	1	20	
Bromoform	26.2		ug/L	25.00	ND	105	70-130	0.5	20	
Bromomethane	28.6		ug/L	25.00	ND	115	70-130	11	20	
Carbon Disulfide	28.6		ug/L	25.00	ND	114	70-130	3	20	
Carbon Tetrachloride	30.0		ug/L	25.00	ND	120	70-130	5	20	
Chlorobenzene	24.4		ug/L	25.00	ND	97	70-130	1	20	
Chloroethane	28.4		ug/L	25.00	ND	114	70-130	1	20	
Chloroform	26.2		ug/L	25.00	ND	105	70-130	1	20	
Chloromethane	19.1		ug/L	25.00	ND	76	70-130	9	20	
cis-1,2-Dichloroethene	26.9		ug/L	25.00	ND	107	70-130	3	20	
cis-1,3-Dichloropropene	24.2		ug/L	25.00	ND	97	70-130	0	20	
Dibromochloromethane	26.5		ug/L	25.00	ND	106	70-130	0.2	20	
Dibromomethane	25.1		ug/L	25.00	ND	100	70-130	2	20	
Dichlorodifluoromethane	19.2		ug/L	25.00	ND	77	70-130	4	20	
Diethyl Ether	25.0		ug/L	25.00	ND	100	70-130	0.4	20	
Di-isopropyl ether	22.3		ug/L	25.00	ND	89	70-130	0.6	20	
Ethyl tertiary-butyl ether	24.1		ug/L	25.00	ND	96	70-130	0.2	20	
Ethylbenzene	23.5		ug/L	25.00	ND	94	70-130	2	20	
Hexachlorobutadiene	27.9		ug/L	25.00	ND	112	70-130	8	20	
Isopropylbenzene	21.4		ug/L	25.00	ND	85	70-130	3	20	
Methyl tert-Butyl Ether	25.5		ug/L	25.00	ND	102	70-130	2	20	
Methylene Chloride	26.1		ug/L	25.00	0.140	104	70-130	2	20	
Naphthalene	25.7		ug/L	25.00	ND	103	70-130	8	20	
n-Butylbenzene	25.1		ug/L	25.00	ND	100	70-130	7	20	
n-Propylbenzene	23.2		ug/L	25.00	ND	93	70-130	1	20	
sec-Butylbenzene	24.0		ug/L	25.00	ND	96	70-130	3	20	
Styrene	24.0		ug/L	25.00	ND	96	70-130	2	20	
tert-Butylbenzene	19.0		ug/L	25.00	ND	76	70-130	3	20	
Tertiary-amyl methyl ether	24.5		ug/L	25.00	ND	98	70-130	0.9	20	
Tetrachloroethene	48.2		ug/L	25.00	ND	193	70-130	2	20	M+
Tetrahydrofuran	24.9		ug/L	25.00	ND	99	70-130	4	20	
Toluene	25.5		ug/L	25.00	ND	102	70-130	3	20	
trans-1,2-Dichloroethene	27.8		ug/L	25.00	ND	111	70-130	2	20	
trans-1,3-Dichloropropene	22.8		ug/L	25.00	ND	91	70-130	0.6	20	
Trichloroethene	31.3		ug/L	25.00	ND	125	70-130	4	20	
Vinyl Acetate	12.8		ug/L	25.00	ND	51	70-130	2	20	M-
Vinyl Chloride	26.2		ug/L	25.00	ND	105	70-130	3	20	
Xylene O	24.8		ug/L	25.00	ND	99	70-130	1	20	
Xylene P,M	49.6		ug/L	50.00	ND	99	70-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.71*		mg/kg wet	*2.717*		*100*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.24*		mg/kg wet	*2.717*		*82*	*70-130*			
Surrogate: Dibromofluoromethane	*2.37*		mg/kg wet	*2.717*		*87*	*70-130*			
Surrogate: Toluene-d8	*2.29*		mg/kg wet	*2.717*		*84*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BC82128 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.95*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS										
Decane (C10)	1.64	0.26	mg/kg wet	2.500		66	40-140			
Docosane (C22)	1.95	0.26	mg/kg wet	2.500		78	40-140			
Dodecane (C12)	1.82	0.26	mg/kg wet	2.500		73	40-140			
Eicosane (C20)	1.96	0.26	mg/kg wet	2.500		78	40-140			
Hexacosane (C26)	1.93	0.26	mg/kg wet	2.500		77	40-140			
Hexadecane (C16)	1.95	0.26	mg/kg wet	2.500		78	40-140			
Nonadecane (C19)	2.02	0.26	mg/kg wet	2.500		81	40-140			
Octacosane (C28)	1.90	0.26	mg/kg wet	2.500		76	40-140			
Octadecane (C18)	1.96	0.26	mg/kg wet	2.500		78	40-140			
Tetracosane (C24)	1.93	0.26	mg/kg wet	2.500		77	40-140			
Tetradecane (C14)	1.86	0.26	mg/kg wet	2.500		74	40-140			
Surrogate: O-Terphenyl	*3.91*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.40	0.26	mg/kg wet	2.500		56	40-140	16	50	
Docosane (C22)	1.71	0.26	mg/kg wet	2.500		68	40-140	13	50	
Dodecane (C12)	1.55	0.26	mg/kg wet	2.500		62	40-140	16	50	
Eicosane (C20)	1.72	0.26	mg/kg wet	2.500		69	40-140	13	50	
Hexacosane (C26)	1.69	0.26	mg/kg wet	2.500		67	40-140	14	50	
Hexadecane (C16)	1.68	0.26	mg/kg wet	2.500		67	40-140	15	50	
Nonadecane (C19)	1.78	0.26	mg/kg wet	2.500		71	40-140	13	50	
Octacosane (C28)	1.68	0.26	mg/kg wet	2.500		67	40-140	13	50	
Octadecane (C18)	1.71	0.26	mg/kg wet	2.500		68	40-140	14	50	
Tetracosane (C24)	1.71	0.26	mg/kg wet	2.500		69	40-140	12	50	
Tetradecane (C14)	1.64	0.26	mg/kg wet	2.500		66	40-140	13	50	
Surrogate: O-Terphenyl	*3.45*		mg/kg wet	*5.000*		*69*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC82015 - 5035										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Gasoline Range Organics / Methanol										
Batch BC82015 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*55.4*		ug/L	*50.00*		*111*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.25*		mg/kg wet	*1.333*		*94*	*70-130*			
LCS										
Gasoline Range Organics	452		ug/L	500.0		90	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*51.6*		ug/L	*50.00*		*103*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.21*		mg/kg wet	*1.333*		*91*	*70-130*			
LCS Dup										
Gasoline Range Organics	465		ug/L	500.0		93	60-140	3	20	
Surrogate: 2,5-Dibromotoluene - FID	*51.0*		ug/L	*50.00*		*102*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.22*		mg/kg wet	*1.333*		*91*	*70-130*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BC82023 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0193*		mg/kg wet	*0.02500*		*77*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0188*		mg/kg wet	*0.02500*		*75*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0225*		mg/kg wet	*0.02500*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
LCS										
Aroclor 1016	0.508	0.0500	mg/kg wet	0.5000		102	40-140			
Aroclor 1260	0.477	0.0500	mg/kg wet	0.5000		95	40-140			
Surrogate: Decachlorobiphenyl	*0.0201*		mg/kg wet	*0.02500*		*81*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0200*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0234*		mg/kg wet	*0.02500*		*94*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
LCS Dup										
Aroclor 1016	0.503	0.0500	mg/kg wet	0.5000		101	40-140	1	50	
Aroclor 1260	0.464	0.0500	mg/kg wet	0.5000		93	40-140	3	50	
Surrogate: Decachlorobiphenyl	*0.0199*		mg/kg wet	*0.02500*		*80*	*30-150*			

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BC82023 - 3541										
Surrogate: Decachlorobiphenyl [2C]	*0.0198*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Matrix Spike Source: 0803251-01										
Aroclor 1016	1.04	0.0980	mg/kg wet	0.9804	ND	106	40-140			
Aroclor 1260	0.992	0.0980	mg/kg wet	0.9804	ND	101	40-140			
Surrogate: Decachlorobiphenyl	*0.0423*		mg/kg wet	*0.04902*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0405*		mg/kg wet	*0.04902*		*83*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0520*		mg/kg wet	*0.04902*		*106*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0508*		mg/kg wet	*0.04902*		*104*	*30-150*			
Matrix Spike Dup Source: 0803251-01										
Aroclor 1016	0.999	0.0990	mg/kg wet	0.9901	ND	101	40-140	4	50	
Aroclor 1260	0.938	0.0990	mg/kg wet	0.9901	ND	95	40-140	6	50	
Surrogate: Decachlorobiphenyl	*0.0396*		mg/kg wet	*0.04950*		*80*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0393*		mg/kg wet	*0.04950*		*79*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0485*		mg/kg wet	*0.04950*		*98*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0480*		mg/kg wet	*0.04950*		*97*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.46*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.24*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.50*		mg/kg wet	*2.500*		*60*	*30-130*			
Surrogate: 2-Fluorophenol	*2.08*		mg/kg wet	*3.750*		*55*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.48*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: Phenol-d6	*2.43*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.81*		mg/kg wet	*2.500*		*72*	*30-130*			
LCS										
1,1-Biphenyl	1.51	0.250	mg/kg wet	2.500		61	40-140			
1,2,4-Trichlorobenzene	1.50	0.250	mg/kg wet	2.500		60	40-140			
1,2-Dichlorobenzene	1.46	0.250	mg/kg wet	2.500		58	40-140			
1,3-Dichlorobenzene	1.36	0.250	mg/kg wet	2.500		54	40-140			
1,4-Dichlorobenzene	1.35	0.250	mg/kg wet	2.500		54	40-140			
2,3,4,6-Tetrachlorophenol	1.75	1.25	mg/kg wet	2.500		70	30-130			
2,4,5-Trichlorophenol	1.68	0.250	mg/kg wet	2.500		67	30-130			
2,4,6-Trichlorophenol	1.62	0.250	mg/kg wet	2.500		65	30-130			
2,4-Dichlorophenol	1.63	0.250	mg/kg wet	2.500		65	30-130			
2,4-Dimethylphenol	1.39	0.250	mg/kg wet	2.500		56	30-130			
2,4-Dinitrophenol	0.916	1.25	mg/kg wet	2.500		37	30-130			
2,4-Dinitrotoluene	1.70	0.250	mg/kg wet	2.500		68	40-140			
2,6-Dinitrotoluene	1.68	0.250	mg/kg wet	2.500		67	40-140			
2-Chloronaphthalene	1.14	0.250	mg/kg wet	2.500		45	40-140			
2-Chlorophenol	1.26	0.250	mg/kg wet	2.500		50	30-130			
2-Methylnaphthalene	1.52	0.250	mg/kg wet	2.500		61	40-140			
2-Methylphenol	1.45	0.250	mg/kg wet	2.500		58	30-130			
2-Nitroaniline	1.64	0.250	mg/kg wet	2.500		65	40-140			
2-Nitrophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
3,3'-Dichlorobenzidine	1.77	0.500	mg/kg wet	2.500		71	40-140			
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130			
3-Nitroaniline	1.57	0.250	mg/kg wet	2.500		63	40-140			
4,6-Dinitro-2-Methylphenol	1.74	1.25	mg/kg wet	2.500		69	30-130			
4-Bromophenyl-phenylether	1.81	0.250	mg/kg wet	2.500		72	40-140			
4-Chloro-3-Methylphenol	1.74	0.250	mg/kg wet	2.500		70	30-130			
4-Chloroaniline	1.09	0.500	mg/kg wet	2.500		44	40-140			
4-Chloro-phenyl-phenyl ether	1.69	0.250	mg/kg wet	2.500		68	40-140			
4-Nitroaniline	1.76	0.250	mg/kg wet	2.500		71	40-140			
4-Nitrophenol	1.44	1.25	mg/kg wet	2.500		58	30-130			
Acenaphthene	1.55	0.250	mg/kg wet	2.500		62	40-140			
Acenaphthylene	1.40	0.250	mg/kg wet	2.500		56	40-140			
Acetophenone	1.45	0.500	mg/kg wet	2.500		58	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Aniline	1.01	1.25	mg/kg wet	2.500		40	40-140			
Anthracene	1.66	0.250	mg/kg wet	2.500		67	40-140			
Azobenzene	1.37	0.250	mg/kg wet	2.500		55	40-140			
Benzo(a)anthracene	1.69	0.250	mg/kg wet	2.500		68	40-140			
Benzo(a)pyrene	1.75	0.125	mg/kg wet	2.500		70	40-140			
Benzo(b)fluoranthene	1.97	0.250	mg/kg wet	2.500		79	40-140			
Benzo(g,h,i)perylene	1.74	0.250	mg/kg wet	2.500		69	40-140			
Benzo(k)fluoranthene	1.41	0.250	mg/kg wet	2.500		56	40-140			
Benzoic Acid	0.756	1.25	mg/kg wet	2.500		30	40-140			B-
Benzyl Alcohol	1.32	0.250	mg/kg wet	2.500		53	40-140			
bis(2-Chloroethoxy)methane	1.31	0.250	mg/kg wet	2.500		53	40-140			
bis(2-Chloroethyl)ether	1.30	0.250	mg/kg wet	2.500		52	40-140			
bis(2-chloroisopropyl)Ether	1.30	0.250	mg/kg wet	2.500		52	40-140			
bis(2-Ethylhexyl)phthalate	1.67	0.250	mg/kg wet	2.500		67	40-140			
Butylbenzylphthalate	1.71	0.250	mg/kg wet	2.500		69	40-140			
Carbazole	1.77	0.250	mg/kg wet	2.500		71	40-140			
Chrysene	1.72	0.125	mg/kg wet	2.500		69	40-140			
Dibenzo(a,h)Anthracene	1.82	0.125	mg/kg wet	2.500		73	40-140			
Dibenzofuran	1.56	0.250	mg/kg wet	2.500		62	40-140			
Diethylphthalate	1.69	0.250	mg/kg wet	2.500		67	40-140			
Dimethylphthalate	1.62	0.250	mg/kg wet	2.500		65	40-140			
Di-n-butylphthalate	1.69	0.250	mg/kg wet	2.500		68	40-140			
Di-n-octylphthalate	1.75	0.250	mg/kg wet	2.500		70	40-140			
Fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Fluorene	1.69	0.250	mg/kg wet	2.500		68	40-140			
Hexachlorobenzene	1.80	0.125	mg/kg wet	2.500		72	40-140			
Hexachlorobutadiene	1.66	0.250	mg/kg wet	2.500		66	40-140			
Hexachlorocyclopentadiene	0.906	1.25	mg/kg wet	2.500		36	40-140			B-
Hexachloroethane	1.01	0.250	mg/kg wet	2.500		41	40-140			
Indeno(1,2,3-cd)Pyrene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Isophorone	1.26	0.250	mg/kg wet	2.500		50	40-140			
Naphthalene	1.38	0.250	mg/kg wet	2.500		55	40-140			
Nitrobenzene	1.42	0.250	mg/kg wet	2.500		57	40-140			
N-Nitrosodimethylamine	0.924	0.250	mg/kg wet	2.500		37	40-140			B-
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	1.71	0.250	mg/kg wet	2.500		68	40-140			
Pentachlorophenol	1.53	1.25	mg/kg wet	2.500		61	30-130			
Phenanthrene	1.69	0.250	mg/kg wet	2.500		68	40-140			
Phenol	1.20	0.250	mg/kg wet	2.500		48	30-130			
Pyrene	1.61	0.250	mg/kg wet	2.500		64	40-140			
Pyridine	0.720	1.25	mg/kg wet	2.500		29	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.41*		mg/kg wet	*2.500*		*56*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.77*		mg/kg wet	*3.750*		*74*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.00*		mg/kg wet	*3.750*		*53*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.50*		mg/kg wet	*2.500*		*60*	*30-130*			
Surrogate: 2-Fluorophenol	*1.96*		mg/kg wet	*3.750*		*52*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Surrogate: Nitrobenzene-d5	*1.42*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: Phenol-d6	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.75*		mg/kg wet	*2.500*		*70*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.41	0.250	mg/kg wet	2.500		56	40-140	7	30	
1,2,4-Trichlorobenzene	1.39	0.250	mg/kg wet	2.500		56	40-140	8	30	
1,2-Dichlorobenzene	1.32	0.250	mg/kg wet	2.500		53	40-140	10	30	
1,3-Dichlorobenzene	1.27	0.250	mg/kg wet	2.500		51	40-140	7	30	
1,4-Dichlorobenzene	1.27	0.250	mg/kg wet	2.500		51	40-140	7	30	
2,3,4,6-Tetrachlorophenol	1.65	1.25	mg/kg wet	2.500		66	30-130	5	30	
2,4,5-Trichlorophenol	1.61	0.250	mg/kg wet	2.500		64	30-130	4	30	
2,4,6-Trichlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130	7	30	
2,4-Dichlorophenol	1.51	0.250	mg/kg wet	2.500		60	30-130	8	30	
2,4-Dimethylphenol	1.31	0.250	mg/kg wet	2.500		52	30-130	6	30	
2,4-Dinitrophenol	0.678	1.25	mg/kg wet	2.500		27	30-130	30	30	B-
2,4-Dinitrotoluene	1.70	0.250	mg/kg wet	2.500		68	40-140	0.2	30	
2,6-Dinitrotoluene	1.50	0.250	mg/kg wet	2.500		60	40-140	11	30	
2-Chloronaphthalene	1.07	0.250	mg/kg wet	2.500		43	40-140	6	30	
2-Chlorophenol	1.20	0.250	mg/kg wet	2.500		48	30-130	5	30	
2-Methylnaphthalene	1.44	0.250	mg/kg wet	2.500		58	40-140	6	30	
2-Methylphenol	1.34	0.250	mg/kg wet	2.500		53	30-130	8	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	9	30	
2-Nitrophenol	1.44	0.250	mg/kg wet	2.500		57	30-130	5	30	
3,3'-Dichlorobenzidine	1.77	0.500	mg/kg wet	2.500		71	40-140	0.1	30	
3+4-Methylphenol	2.72	0.500	mg/kg wet	5.000		54	30-130	6	30	
3-Nitroaniline	1.51	0.250	mg/kg wet	2.500		61	40-140	4	30	
4,6-Dinitro-2-Methylphenol	1.33	1.25	mg/kg wet	2.500		53	30-130	26	30	
4-Bromophenyl-phenylether	1.70	0.250	mg/kg wet	2.500		68	40-140	6	30	
4-Chloro-3-Methylphenol	1.56	0.250	mg/kg wet	2.500		63	30-130	11	30	
4-Chloroaniline	0.966	0.500	mg/kg wet	2.500		39	40-140	12	30	B-
4-Chloro-phenyl-phenyl ether	1.55	0.250	mg/kg wet	2.500		62	40-140	9	30	
4-Nitroaniline	1.66	0.250	mg/kg wet	2.500		67	40-140	6	30	
4-Nitrophenol	1.41	1.25	mg/kg wet	2.500		57	30-130	2	30	
Acenaphthene	1.47	0.250	mg/kg wet	2.500		59	40-140	5	30	
Acenaphthylene	1.34	0.250	mg/kg wet	2.500		54	40-140	4	30	
Acetophenone	1.32	0.500	mg/kg wet	2.500		53	40-140	9	30	
Aniline	0.895	1.25	mg/kg wet	2.500		36	40-140	12	30	B-
Anthracene	1.62	0.250	mg/kg wet	2.500		65	40-140	3	30	
Azobenzene	1.27	0.250	mg/kg wet	2.500		51	40-140	7	30	
Benzo(a)anthracene	1.71	0.250	mg/kg wet	2.500		68	40-140	1	30	
Benzo(a)pyrene	1.77	0.125	mg/kg wet	2.500		71	40-140	1	30	
Benzo(b)fluoranthene	2.05	0.250	mg/kg wet	2.500		82	40-140	4	30	
Benzo(g,h,i)perylene	1.78	0.250	mg/kg wet	2.500		71	40-140	2	30	
Benzo(k)fluoranthene	1.35	0.250	mg/kg wet	2.500		54	40-140	4	30	
Benzoic Acid	0.492	1.25	mg/kg wet	2.500		20	40-140	42	30	B-, D+

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Benzyl Alcohol	1.20	0.250	mg/kg wet	2.500		48	40-140	9	30	
bis(2-Chloroethoxy)methane	1.21	0.250	mg/kg wet	2.500		48	40-140	8	30	
bis(2-Chloroethyl)ether	1.21	0.250	mg/kg wet	2.500		48	40-140	8	30	
bis(2-chloroisopropyl)Ether	1.19	0.250	mg/kg wet	2.500		48	40-140	8	30	
bis(2-Ethylhexyl)phthalate	1.70	0.250	mg/kg wet	2.500		68	40-140	1	30	
Butylbenzylphthalate	1.70	0.250	mg/kg wet	2.500		68	40-140	1	30	
Carbazole	1.74	0.250	mg/kg wet	2.500		70	40-140	2	30	
Chrysene	1.70	0.125	mg/kg wet	2.500		68	40-140	1	30	
Dibenzo(a,h)Anthracene	1.86	0.125	mg/kg wet	2.500		74	40-140	2	30	
Dibenzofuran	1.48	0.250	mg/kg wet	2.500		59	40-140	5	30	
Diethylphthalate	1.62	0.250	mg/kg wet	2.500		65	40-140	4	30	
Dimethylphthalate	1.56	0.250	mg/kg wet	2.500		63	40-140	4	30	
Di-n-butylphthalate	1.69	0.250	mg/kg wet	2.500		68	40-140	0.1	30	
Di-n-octylphthalate	1.80	0.250	mg/kg wet	2.500		72	40-140	3	30	
Fluoranthene	1.80	0.250	mg/kg wet	2.500		72	40-140	1	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	8	30	
Hexachlorobenzene	1.76	0.125	mg/kg wet	2.500		70	40-140	2	30	
Hexachlorobutadiene	1.52	0.250	mg/kg wet	2.500		61	40-140	8	30	
Hexachlorocyclopentadiene	0.842	1.25	mg/kg wet	2.500		34	40-140	7	30	B-
Hexachloroethane	0.965	0.250	mg/kg wet	2.500		39	40-140	5	30	B-
Indeno(1,2,3-cd)Pyrene	1.84	0.250	mg/kg wet	2.500		74	40-140	2	30	
Isophorone	1.22	0.250	mg/kg wet	2.500		49	40-140	3	30	
Naphthalene	1.27	0.250	mg/kg wet	2.500		51	40-140	9	30	
Nitrobenzene	1.28	0.250	mg/kg wet	2.500		51	40-140	11	30	
N-Nitrosodimethylamine	0.846	0.250	mg/kg wet	2.500		34	40-140	9	30	B-
N-Nitroso-Di-n-Propylamine	1.15	0.250	mg/kg wet	2.500		46	40-140	14	30	
N-nitrosodiphenylamine	1.64	0.250	mg/kg wet	2.500		65	40-140	4	30	
Pentachlorophenol	1.31	1.25	mg/kg wet	2.500		53	30-130	15	30	
Phenanthrene	1.64	0.250	mg/kg wet	2.500		66	40-140	3	30	
Phenol	1.13	0.250	mg/kg wet	2.500		45	30-130	6	30	
Pyrene	1.60	0.250	mg/kg wet	2.500		64	40-140	0.5	30	
Pyridine	0.665	1.25	mg/kg wet	2.500		27	40-140	8	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.39*		mg/kg wet	*2.500*		*56*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.86*		mg/kg wet	*3.750*		*76*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.97*		mg/kg wet	*3.750*		*52*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.48*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: 2-Fluorophenol	*1.88*		mg/kg wet	*3.750*		*50*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.34*		mg/kg wet	*2.500*		*54*	*30-130*			
Surrogate: Phenol-d6	*2.26*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.81*		mg/kg wet	*2.500*		*72*	*30-130*			
Matrix Spike Source: 0803251-01										
1,1-Biphenyl	2.11	0.331	mg/kg wet	3.311	ND	64	40-140			
1,2,4-Trichlorobenzene	1.99	0.331	mg/kg wet	3.311	ND	60	40-140			
1,2-Dichlorobenzene	1.88	0.331	mg/kg wet	3.311	ND	57	40-140			
1,3-Dichlorobenzene	1.76	0.331	mg/kg wet	3.311	ND	53	40-140			
1,4-Dichlorobenzene	1.76	0.331	mg/kg wet	3.311	ND	53	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
2,3,4,6-Tetrachlorophenol	ND	1.66	mg/kg wet	3.311	ND		30-130			M-
2,4,5-Trichlorophenol	ND	0.331	mg/kg wet	3.311	ND		30-130			M-
2,4,6-Trichlorophenol	ND	0.331	mg/kg wet	3.311	ND		30-130			M-
2,4-Dichlorophenol	0.0434	0.331	mg/kg wet	3.311	ND	1	30-130			M-
2,4-Dimethylphenol	1.36	0.331	mg/kg wet	3.311	ND	41	30-130			
2,4-Dinitrophenol	0.670	1.66	mg/kg wet	3.311	ND	20	30-130			M-
2,4-Dinitrotoluene	2.35	0.331	mg/kg wet	3.311	ND	71	40-140			
2,6-Dinitrotoluene	2.30	0.331	mg/kg wet	3.311	ND	70	40-140			
2-Chloronaphthalene	1.57	0.331	mg/kg wet	3.311	ND	48	40-140			
2-Chlorophenol	0.0834	0.331	mg/kg wet	3.311	ND	3	30-130			M-
2-Methylnaphthalene	2.02	0.331	mg/kg wet	3.311	ND	61	40-140			
2-Methylphenol	1.19	0.331	mg/kg wet	3.311	ND	36	30-130			
2-Nitroaniline	2.18	0.331	mg/kg wet	3.311	ND	66	40-140			
2-Nitrophenol	0.0179	0.331	mg/kg wet	3.311	ND	0.5	30-130			M-
3,3´-Dichlorobenzidine	2.11	0.663	mg/kg wet	3.311	ND	64	40-140			
3+4-Methylphenol	1.18	0.663	mg/kg wet	6.623	ND	18	30-130			M-
3-Nitroaniline	2.07	0.331	mg/kg wet	3.311	ND	63	40-140			
4,6-Dinitro-2-Methylphenol	ND	1.66	mg/kg wet	3.311	ND		30-130			M-
4-Bromophenyl-phenylether	2.42	0.331	mg/kg wet	3.311	ND	73	40-140			
4-Chloro-3-Methylphenol	0.271	0.331	mg/kg wet	3.311	ND	8	30-130			M-
4-Chloroaniline	1.39	0.663	mg/kg wet	3.311	ND	42	40-140			
4-Chloro-phenyl-phenyl ether	2.41	0.331	mg/kg wet	3.311	ND	73	40-140			
4-Nitroaniline	2.20	0.331	mg/kg wet	3.311	ND	67	40-140			
4-Nitrophenol	ND	1.66	mg/kg wet	3.311	ND		30-130			M-
Acenaphthene	2.14	0.331	mg/kg wet	3.311	ND	65	40-140			
Acenaphthylene	1.95	0.331	mg/kg wet	3.311	ND	59	40-140			
Acetophenone	1.85	0.663	mg/kg wet	3.311	ND	56	40-140			
Aniline	0.949	1.66	mg/kg wet	3.311	ND	29	40-140			M-
Anthracene	2.25	0.331	mg/kg wet	3.311	ND	68	40-140			
Azobenzene	1.82	0.331	mg/kg wet	3.311	ND	55	40-140			
Benzo(a)anthracene	2.30	0.331	mg/kg wet	3.311	ND	69	40-140			
Benzo(a)pyrene	2.33	0.166	mg/kg wet	3.311	ND	70	40-140			
Benzo(b)fluoranthene	2.70	0.331	mg/kg wet	3.311	ND	81	40-140			
Benzo(g,h,i)perylene	2.30	0.331	mg/kg wet	3.311	ND	70	40-140			
Benzo(k)fluoranthene	1.89	0.331	mg/kg wet	3.311	ND	57	40-140			
Benzoic Acid	0.659	1.66	mg/kg wet	3.311	ND	20	40-140			M-
Benzyl Alcohol	1.70	0.331	mg/kg wet	3.311	ND	51	40-140			
bis(2-Chloroethoxy)methane	1.68	0.331	mg/kg wet	3.311	ND	51	40-140			
bis(2-Chloroethyl)ether	1.61	0.331	mg/kg wet	3.311	ND	49	40-140			
bis(2-chloroisopropyl)Ether	1.73	0.331	mg/kg wet	3.311	ND	52	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.331	mg/kg wet	3.311	0.123	66	40-140			
Butylbenzylphthalate	2.27	0.331	mg/kg wet	3.311	ND	68	40-140			
Carbazole	2.37	0.331	mg/kg wet	3.311	ND	71	40-140			
Chrysene	2.34	0.166	mg/kg wet	3.311	ND	71	40-140			
Dibenzo(a,h)Anthracene	2.47	0.166	mg/kg wet	3.311	ND	75	40-140			
Dibenzofuran	2.20	0.331	mg/kg wet	3.311	ND	67	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Diethylphthalate	2.28	0.331	mg/kg wet	3.311	ND	69	40-140			
Dimethylphthalate	2.21	0.331	mg/kg wet	3.311	ND	67	40-140			
Di-n-butylphthalate	2.31	0.331	mg/kg wet	3.311	ND	70	40-140			
Di-n-octylphthalate	2.39	0.331	mg/kg wet	3.311	ND	72	40-140			
Fluoranthene	2.43	0.331	mg/kg wet	3.311	ND	73	40-140			
Fluorene	2.35	0.331	mg/kg wet	3.311	ND	71	40-140			
Hexachlorobenzene	2.46	0.166	mg/kg wet	3.311	ND	74	40-140			
Hexachlorobutadiene	2.17	0.331	mg/kg wet	3.311	ND	66	40-140			
Hexachlorocyclopentadiene	1.10	1.66	mg/kg wet	3.311	ND	33	40-140			M-
Hexachloroethane	1.59	0.331	mg/kg wet	3.311	ND	48	40-140			
Indeno(1,2,3-cd)Pyrene	2.39	0.331	mg/kg wet	3.311	ND	72	40-140			
Isophorone	1.86	0.331	mg/kg wet	3.311	ND	56	40-140			
Naphthalene	1.82	0.331	mg/kg wet	3.311	ND	55	40-140			
Nitrobenzene	1.83	0.331	mg/kg wet	3.311	ND	55	40-140			
N-Nitrosodimethylamine	1.16	0.331	mg/kg wet	3.311	ND	35	40-140			M-
N-Nitroso-Di-n-Propylamine	1.64	0.331	mg/kg wet	3.311	ND	50	40-140			
N-nitrosodiphenylamine	2.32	0.331	mg/kg wet	3.311	ND	70	40-140			
Pentachlorophenol	0.489	1.66	mg/kg wet	3.311	ND	15	30-130			M-
Phenanthrene	2.33	0.331	mg/kg wet	3.311	ND	70	40-140			
Phenol	0.306	0.331	mg/kg wet	3.311	ND	9	30-130			M-
Pyrene	2.22	0.331	mg/kg wet	3.311	ND	67	40-140			
Pyridine	0.875	1.66	mg/kg wet	3.311	ND	26	40-140			M-
Surrogate: 1,2-Dichlorobenzene-d4	*1.83*		mg/kg wet	*3.311*		*55*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*ND*		mg/kg wet	*4.967*			*30-130*			*SC*
Surrogate: 2-Chlorophenol-d4	*0.139*		mg/kg wet	*4.967*		*3*	*30-130*			*SC*
Surrogate: 2-Fluorobiphenyl	*2.11*		mg/kg wet	*3.311*		*64*	*30-130*			
Surrogate: 2-Fluorophenol	*0.0937*		mg/kg wet	*4.967*		*2*	*30-130*			*SC*
Surrogate: Nitrobenzene-d5	*1.86*		mg/kg wet	*3.311*		*56*	*30-130*			
Surrogate: Phenol-d6	*0.502*		mg/kg wet	*4.967*		*10*	*30-130*			*SC*
Surrogate: p-Terphenyl-d14	*2.34*		mg/kg wet	*3.311*		*71*	*30-130*			
Matrix Spike Dup Source: 0803251-01										
1,1-Biphenyl	1.90	0.333	mg/kg wet	3.333	ND	57	40-140	11	30	
1,2,4-Trichlorobenzene	1.82	0.333	mg/kg wet	3.333	ND	55	40-140	10	30	
1,2-Dichlorobenzene	1.69	0.333	mg/kg wet	3.333	ND	51	40-140	11	30	
1,3-Dichlorobenzene	1.63	0.333	mg/kg wet	3.333	ND	49	40-140	8	30	
1,4-Dichlorobenzene	1.57	0.333	mg/kg wet	3.333	ND	47	40-140	12	30	
2,3,4,6-Tetrachlorophenol	ND	1.67	mg/kg wet	3.333	ND		30-130		30	M-
2,4,5-Trichlorophenol	ND	0.333	mg/kg wet	3.333	ND		30-130		30	M-
2,4,6-Trichlorophenol	ND	0.333	mg/kg wet	3.333	ND		30-130		30	M-
2,4-Dichlorophenol	ND	0.333	mg/kg wet	3.333	ND		30-130		30	M-
2,4-Dimethylphenol	1.56	0.333	mg/kg wet	3.333	ND	47	30-130	13	30	
2,4-Dinitrophenol	0.673	1.67	mg/kg wet	3.333	ND	20	30-130	0.2	30	M-
2,4-Dinitrotoluene	2.35	0.333	mg/kg wet	3.333	ND	71	40-140	0.6	30	
2,6-Dinitrotoluene	2.10	0.333	mg/kg wet	3.333	ND	63	40-140	10	30	
2-Chloronaphthalene	1.41	0.333	mg/kg wet	3.333	ND	42	40-140	11	30	
2-Chlorophenol	0.0603	0.333	mg/kg wet	3.333	ND	2	30-130	33	30	M-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
2-Methylnaphthalene	1.95	0.333	mg/kg wet	3.333	ND	59	40-140	4	30	
2-Methylphenol	1.36	0.333	mg/kg wet	3.333	ND	41	30-130	13	30	
2-Nitroaniline	2.04	0.333	mg/kg wet	3.333	ND	61	40-140	7	30	
2-Nitrophenol	0.100	0.333	mg/kg wet	3.333	ND	3	30-130	139	30	M-
3,3'-Dichlorobenzidine	2.33	0.667	mg/kg wet	3.333	ND	70	40-140	9	30	
3+4-Methylphenol	2.06	0.667	mg/kg wet	6.667	ND	31	30-130	53	30	D+
3-Nitroaniline	2.00	0.333	mg/kg wet	3.333	ND	60	40-140	4	30	
4,6-Dinitro-2-Methylphenol	ND	1.67	mg/kg wet	3.333	ND		30-130		30	M-
4-Bromophenyl-phenylether	2.34	0.333	mg/kg wet	3.333	ND	70	40-140	4	30	
4-Chloro-3-Methylphenol	0.497	0.333	mg/kg wet	3.333	ND	15	30-130	58	30	D+, M-
4-Chloroaniline	1.29	0.667	mg/kg wet	3.333	ND	39	40-140	8	30	M-
4-Chloro-phenyl-phenyl ether	2.24	0.333	mg/kg wet	3.333	ND	67	40-140	8	30	
4-Nitroaniline	2.33	0.333	mg/kg wet	3.333	ND	70	40-140	5	30	
4-Nitrophenol	0.185	1.67	mg/kg wet	3.333	ND	6	30-130	200	30	M-
Acenaphthene	2.04	0.333	mg/kg wet	3.333	ND	61	40-140	5	30	
Acenaphthylene	1.87	0.333	mg/kg wet	3.333	ND	56	40-140	5	30	
Acetophenone	1.74	0.667	mg/kg wet	3.333	ND	52	40-140	7	30	
Aniline	0.828	1.67	mg/kg wet	3.333	ND	25	40-140	14	30	M-
Anthracene	2.29	0.333	mg/kg wet	3.333	ND	69	40-140	1	30	
Azobenzene	1.73	0.333	mg/kg wet	3.333	ND	52	40-140	6	30	
Benzo(a)anthracene	2.39	0.333	mg/kg wet	3.333	ND	72	40-140	3	30	
Benzo(a)pyrene	2.43	0.167	mg/kg wet	3.333	ND	73	40-140	4	30	
Benzo(b)fluoranthene	2.45	0.333	mg/kg wet	3.333	ND	74	40-140	10	30	
Benzo(g,h,i)perylene	2.41	0.333	mg/kg wet	3.333	ND	72	40-140	4	30	
Benzo(k)fluoranthene	2.57	0.333	mg/kg wet	3.333	ND	77	40-140	30	30	
Benzoic Acid	0.649	1.67	mg/kg wet	3.333	ND	19	40-140	2	30	M-
Benzyl Alcohol	1.62	0.333	mg/kg wet	3.333	ND	49	40-140	6	30	
bis(2-Chloroethoxy)methane	1.53	0.333	mg/kg wet	3.333	ND	46	40-140	10	30	
bis(2-Chloroethyl)ether	1.45	0.333	mg/kg wet	3.333	ND	43	40-140	11	30	
bis(2-chloroisopropyl)Ether	1.55	0.333	mg/kg wet	3.333	ND	46	40-140	12	30	
bis(2-Ethylhexyl)phthalate	2.41	0.333	mg/kg wet	3.333	0.123	69	40-140	3	30	
Butylbenzylphthalate	2.35	0.333	mg/kg wet	3.333	ND	71	40-140	3	30	
Carbazole	2.43	0.333	mg/kg wet	3.333	ND	73	40-140	2	30	
Chrysene	2.33	0.167	mg/kg wet	3.333	ND	70	40-140	1	30	
Dibenzo(a,h)Anthracene	2.53	0.167	mg/kg wet	3.333	ND	76	40-140	2	30	
Dibenzofuran	2.04	0.333	mg/kg wet	3.333	ND	61	40-140	8	30	
Diethylphthalate	2.30	0.333	mg/kg wet	3.333	ND	69	40-140	0.4	30	
Dimethylphthalate	2.17	0.333	mg/kg wet	3.333	ND	65	40-140	2	30	
Di-n-butylphthalate	2.33	0.333	mg/kg wet	3.333	ND	70	40-140	0.4	30	
Di-n-octylphthalate	2.44	0.333	mg/kg wet	3.333	ND	73	40-140	1	30	
Fluoranthene	2.52	0.333	mg/kg wet	3.333	ND	76	40-140	3	30	
Fluorene	2.15	0.333	mg/kg wet	3.333	ND	65	40-140	9	30	
Hexachlorobenzene	2.44	0.167	mg/kg wet	3.333	ND	73	40-140	2	30	
Hexachlorobutadiene	2.00	0.333	mg/kg wet	3.333	ND	60	40-140	9	30	
Hexachlorocyclopentadiene	0.933	1.67	mg/kg wet	3.333	ND	28	40-140	17	30	M-
Hexachloroethane	1.45	0.333	mg/kg wet	3.333	ND	44	40-140	10	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC82024 - 3541										
Indeno(1,2,3-cd)Pyrene	2.50	0.333	mg/kg wet	3.333	ND	75	40-140	4	30	
Isophorone	1.62	0.333	mg/kg wet	3.333	ND	49	40-140	14	30	
Naphthalene	1.73	0.333	mg/kg wet	3.333	ND	52	40-140	5	30	
Nitrobenzene	1.50	0.333	mg/kg wet	3.333	ND	45	40-140	21	30	
N-Nitrosodimethylamine	1.03	0.333	mg/kg wet	3.333	ND	31	40-140	12	30	M-
N-Nitroso-Di-n-Propylamine	1.66	0.333	mg/kg wet	3.333	ND	50	40-140	0.2	30	
N-nitrosodiphenylamine	2.34	0.333	mg/kg wet	3.333	ND	70	40-140	0.3	30	
Pentachlorophenol	0.480	1.67	mg/kg wet	3.333	ND	14	30-130	3	30	M-
Phenanthrene	2.30	0.333	mg/kg wet	3.333	ND	69	40-140	2	30	
Phenol	0.576	0.333	mg/kg wet	3.333	ND	17	30-130	61	30	D+, M-
Pyrene	2.18	0.333	mg/kg wet	3.333	ND	65	40-140	2	30	
Pyridine	0.783	1.67	mg/kg wet	3.333	ND	24	40-140	12	30	M-
Surrogate: 1,2-Dichlorobenzene-d4	*1.69*		mg/kg wet	*3.333*		*51*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*ND*		mg/kg wet	*5.000*			*30-130*			*SC*
Surrogate: 2-Chlorophenol-d4	*0.106*		mg/kg wet	*5.000*		*2*	*30-130*			*SC*
Surrogate: 2-Fluorobiphenyl	*1.92*		mg/kg wet	*3.333*		*58*	*30-130*			
Surrogate: 2-Fluorophenol	*ND*		mg/kg wet	*5.000*			*30-130*			*SC*
Surrogate: Nitrobenzene-d5	*1.59*		mg/kg wet	*3.333*		*48*	*30-130*			
Surrogate: Phenol-d6	*1.12*		mg/kg wet	*5.000*		*22*	*30-130*			*SC*
Surrogate: p-Terphenyl-d14	*2.38*		mg/kg wet	*3.333*		*71*	*30-130*			
Classical Chemistry										
Batch BC82101 - General Preparation										
Duplicate **Source: 0803251-01**										
Corrosivity (pH)	11.5		S.U.		11.5			0.09	200	

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
M-	Matrix Spike recovery is below lower control limit.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C+	Continuing Calibration recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803251

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 48 HOUR Pb RESULTS
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA RI CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP Navy USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0803251

Electronic Deliverable ___ Yes ___ No
Format: Excel__ Access__ PDF__ Other_____

Co. Name: TK&K
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate
State: MA
Zip: 02066
PO#:
Telephone #:
Fax #:
Email Address: edward lawrence.Kahrs@com +Kahrs

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2 / 624 / 8260 VOA	VPH w/targets / 8015 GRO / 8021 MTBE/BTEX	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8082 PCB / 8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	TAL23 / PP13 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)	TCLP & Tot Pb	pH			
1	3/20/08	11:00	✓		SD	Concrete WS-1				✓	✓	✓		✓	✓	✓				✓			
2	↓	9:30	✓		S	WCT-07													✓				
3	↓	↓	✓		S	WCT-08													✓				
4	↓	↓	✓		S	WCT-09													✓				
5	↓	↓	✓		S	WCT-10													✓				
6	↓	↓	✓		S	WCT-11													✓				
7	↓	↓	✓		S	DPWE-120					✓	✓											
				JTD																			
				3-20-08																			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 5.2°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by: [signature]
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3/20 1238	[signature]	3/20/08 12:50	[signature]	3/20/08 13:40	[signature]	3/20/08 1340
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

APPENDIX L

WASTE CHARACTERIZATION RESULTS

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801234

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 25, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 18, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801234-01	Soil	OFFTA-BF
0801234-02	Soil	OFFTA-TS
0801234-03	Soil	OFFTA-WC02
0801234-04	Soil	OFFTA-A-B5
0801234-05	Soil	OFFTA-A-B8
0801234-06	Soil	OFFTA-WC01

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

BRA0175-CCV1 **Continuing Calibration recovery is below lower control limit.**
2-Butanone, 2-Hexanone, Tetrahydrofuran

8270C Semi-Volatile Organic Compounds

BA82115-BS1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline 2,4-Dinitrophenol, Hexachlorocyclopentadiene, Pyridine

BA82115-BSD1 **Blank Spike recovery is below lower control limit.**
Aniline, Benzoic Acid, 4-Chloroaniline, Hexachlorocyclopentadiene, 3+4-Methylphenol, Pyridine

BA82115-BSD1 **Relative percent difference for duplicate is outside of criteria.**
2,4-Dinitrophenol, 3+4-Methylphenol, 4,6-Dinitro-2-Methylphenol, Benzoic Acid

BA82115-MS1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, 4-Nitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene, Pyridine

BA82115-MSD1 **Majority of compounds are outside crtieria for RPD due to matrix interferences.**

BA82115-MSD1 **Matrix Spike recovery is below lower control limit.**
2,4-Dinitrophenol, Aniline, Benzoic Acid, Hexachlorocyclopentadiene

BA82115-MSD1 **Surrogate recovery(ies) below lower control limit.**

BRA0190-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 6.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.122	2.5	1	01/24/08
Ethylbenzene	ND	mg/kg dry	0.122	71	1	01/24/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.122	390	1	01/24/08
Toluene	ND	mg/kg dry	0.122	190	1	01/24/08
Xylene O	ND	mg/kg dry	0.122	110	1	01/24/08
Xylene P,M	ND	mg/kg dry	0.244	110	1	01/24/08
Xylenes (Total)	ND	mg/kg	0.348	110	1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-BF
Date Sampled: 01/17/08 16:30
Percent Solids: 95
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	38.9		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 6.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Benzene	ND	mg/kg dry	0.138	2.5	1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.138	71	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.138	390	1	01/21/08
Toluene	ND	mg/kg dry	0.138	190	1	01/21/08
Xylene O	ND	mg/kg dry	0.138	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.277	110	1	01/21/08
Xylenes (Total)	ND	mg/kg	0.357	110	1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	*91 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*102 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-TS
Date Sampled: 01/17/08 16:30
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*78 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.3	6010B	7	1	JP	01/19/08	1.77	100
Barium	**29.4**	mg/kg dry	3.3	6010B	5500	1	JP	01/19/08	1.77	100
Cadmium	ND	mg/kg dry	0.66	6010B	39	1	JP	01/19/08	1.77	100
Chromium	**11.6**	mg/kg dry	1.3	6010B	1400	1	JP	01/19/08	1.77	100
Lead	**185**	mg/kg dry	6.6	6010B	150	1	JP	01/19/08	1.77	100
Mercury	**0.219**	mg/kg dry	0.038	7471A	23	1	JP	01/19/08	0.61	40
Selenium	ND	mg/kg dry	6.6	6010B	390	1	SVD	01/22/08	1.77	100
Silver	ND	mg/kg dry	0.66	6010B	200	1	JP	01/19/08	1.77	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.265	0.0876	2.2	1	01/21/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.133	0.0345	540	1	01/21/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.133	0.0398	1.3	1	01/21/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.133	0.0425	3.6	1	01/21/08
1,1-Dichloroethane		ND	mg/kg dry	0.133	0.0372	920	1	01/21/08
1,1-Dichloroethene		ND	mg/kg dry	0.133	0.0319	0.2	1	01/21/08
1,1-Dichloropropene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.133	0.0292	96	1	01/21/08
1,2,4-Trimethylbenzene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.796	0.265	0.5	1	01/21/08
1,2-Dibromoethane		ND	mg/kg dry	0.133	0.0292	0.01	1	01/21/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.133	0.0292	510	1	01/21/08
1,2-Dichloroethane		ND	mg/kg dry	0.133	0.0292	0.9	1	01/21/08
1,2-Dichloropropane		ND	mg/kg dry	0.133	0.0372	1.9	1	01/21/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.133	0.0319	430	1	01/21/08
1,3-Dichloropropane		ND	mg/kg dry	0.133	0.0265		1	01/21/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.133	0.0345	27	1	01/21/08
1,4-Dioxane - Screen		ND	mg/kg dry	13.3	6.64		1	01/21/08
1-Chlorohexane		ND	mg/kg dry	0.133	0.0345		1	01/21/08
2,2-Dichloropropane		ND	mg/kg dry	0.265	0.0664		1	01/21/08
2-Butanone		ND	mg/kg dry	3.32	0.664	10000	1	01/21/08
2-Chlorotoluene		ND	mg/kg dry	0.133	0.0398		1	01/21/08
2-Hexanone		ND	mg/kg dry	1.33	0.186		1	01/21/08
4-Chlorotoluene		ND	mg/kg dry	0.133	0.0319		1	01/21/08
4-Isopropyltoluene		ND	mg/kg dry	0.133	0.0345		1	01/21/08
4-Methyl-2-Pentanone		ND	mg/kg dry	1.33	0.186	1200	1	01/21/08
Acetone		ND	mg/kg dry	3.32	1.06	7800	1	01/21/08
Benzene	J	**0.0849**	mg/kg dry	0.133	0.0398	2.5	1	01/21/08
Bromobenzene		ND	mg/kg dry	0.133	0.0292		1	01/21/08
Bromochloromethane		ND	mg/kg dry	0.133	0.0398		1	01/21/08
Bromodichloromethane		ND	mg/kg dry	0.133	0.0372	10	1	01/21/08
Bromoform		ND	mg/kg dry	0.133	0.0425	81	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.265	0.0664	0.8	1	01/21/08
Carbon Disulfide	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Carbon Tetrachloride	ND	mg/kg dry	0.133	0.0372	1.5	1	01/21/08
Chlorobenzene	ND	mg/kg dry	0.133	0.0292	210	1	01/21/08
Chloroethane	ND	mg/kg dry	0.265	0.0876		1	01/21/08
Chloroform	ND	mg/kg dry	0.133	0.0319	1.2	1	01/21/08
Chloromethane	ND	mg/kg dry	0.265	0.0425		1	01/21/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0398	630	1	01/21/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0292		1	01/21/08
Dibromochloromethane	ND	mg/kg dry	0.133	0.0265	7.6	1	01/21/08
Dibromomethane	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Dichlorodifluoromethane	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Diethyl Ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Di-isopropyl ether	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.133	0.0265		1	01/21/08
Ethylbenzene	ND	mg/kg dry	0.133	0.0319	71	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.133	0.0425	8.2	1	01/21/08
Isopropylbenzene	ND	mg/kg dry	0.133	0.0292	27	1	01/21/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.133	0.0319	390	1	01/21/08
Methylene Chloride	ND	mg/kg dry	0.664	0.0531	45	1	01/21/08
Naphthalene	**0.828**	mg/kg dry	0.133	0.0398	54	1	01/21/08
n-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
n-Propylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
sec-Butylbenzene	ND	mg/kg dry	0.133	0.0345		1	01/21/08
Styrene	ND	mg/kg dry	0.133	0.0345	13	1	01/21/08
tert-Butylbenzene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.133	0.0398		1	01/21/08
Tetrachloroethene	ND	mg/kg dry	0.133	0.0425	12	1	01/21/08
Tetrahydrofuran	ND	mg/kg dry	1.33	0.345		1	01/21/08
Toluene	**0.157**	mg/kg dry	0.133	0.0372	190	1	01/21/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.133	0.0425	1100	1	01/21/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.133	0.0319		1	01/21/08
Trichloroethene	ND	mg/kg dry	0.133	0.0319	13	1	01/21/08
Trichlorofluoromethane	ND	mg/kg dry	0.133	0.0372		1	01/21/08
Vinyl Acetate	ND	mg/kg dry	0.664	0.0531		1	01/21/08
Vinyl Chloride	ND	mg/kg dry	0.133	0.0319	0.02	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.133	0.0265	110	1	01/21/08
Xylene P,M	ND	mg/kg dry	0.265	0.0664	110	1	01/21/08
Xylenes (Total)	ND	mg/kg dry	0.398		110	1	01/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*90 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*95 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*97 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**421**	mg/kg dry	43.4		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*95 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 19.4
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/18/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1221	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1232	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1242	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1248	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1254	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1260	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1262	ND	mg/kg dry	0.0599	10	1	01/20/08
Aroclor 1268	ND	mg/kg dry	0.0599	10	1	01/20/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*93 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*95 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*68 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*78 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.387	0.8	1	01/21/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.387	96	1	01/21/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.387	510	1	01/21/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.387	430	1	01/21/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.387	27	1	01/21/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.94		1	01/21/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.387	330	1	01/21/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.387	58	1	01/21/08
2,4-Dichlorophenol	ND	mg/kg dry	0.387	30	1	01/21/08
2,4-Dimethylphenol	ND	mg/kg dry	0.387	1400	1	01/21/08
2,4-Dinitrophenol	ND	mg/kg dry	1.94	160	1	01/21/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.387	0.9	1	01/21/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.387		1	01/21/08
2-Chloronaphthalene	ND	mg/kg dry	0.387		1	01/21/08
2-Chlorophenol	ND	mg/kg dry	0.387	50	1	01/21/08
2-Methylnaphthalene	ND	mg/kg dry	0.387	123	1	01/21/08
2-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
2-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
2-Nitrophenol	ND	mg/kg dry	0.387		1	01/21/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.776	1.4	1	01/21/08
3+4-Methylphenol	ND	mg/kg dry	0.776		1	01/21/08
3-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.94		1	01/21/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.387		1	01/21/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.387		1	01/21/08
4-Chloroaniline	ND	mg/kg dry	0.776	310	1	01/21/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.387		1	01/21/08
4-Nitroaniline	ND	mg/kg dry	0.387		1	01/21/08
4-Nitrophenol	ND	mg/kg dry	1.94		1	01/21/08
Acenaphthene	ND	mg/kg dry	0.387	43	1	01/21/08
Acenaphthylene	ND	mg/kg dry	0.387	23	1	01/21/08
Acetophenone	ND	mg/kg dry	0.776		1	01/21/08
Aniline	ND	mg/kg dry	1.94		1	01/21/08
Anthracene	ND	mg/kg dry	0.387	35	1	01/21/08
Azobenzene	ND	mg/kg dry	0.387		1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.497**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(a)pyrene	**0.469**	mg/kg dry	0.194	0.4	1	01/21/08
Benzo(b)fluoranthene	**0.403**	mg/kg dry	0.387	0.9	1	01/21/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.387	0.8	1	01/21/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Benzoic Acid	ND	mg/kg dry	1.94		1	01/21/08
Benzyl Alcohol	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.387		1	01/21/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.387	0.6	1	01/21/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.387	9.1	1	01/21/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.387	46	1	01/21/08
Butylbenzylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Carbazole	ND	mg/kg dry	0.387		1	01/21/08
Chrysene	**0.516**	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Dibenzofuran	ND	mg/kg dry	0.387		1	01/21/08
Diethylphthalate	ND	mg/kg dry	0.387	340	1	01/21/08
Dimethylphthalate	ND	mg/kg dry	0.387	1900	1	01/21/08
Di-n-butylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Di-n-octylphthalate	ND	mg/kg dry	0.387		1	01/21/08
Fluoranthene	**0.944**	mg/kg dry	0.387	20	1	01/21/08
Fluorene	ND	mg/kg dry	0.387	28	1	01/21/08
Hexachlorobenzene	ND	mg/kg dry	0.194	0.4	1	01/21/08
Hexachlorobutadiene	ND	mg/kg dry	0.387	8.2	1	01/21/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.94		1	01/21/08
Hexachloroethane	ND	mg/kg dry	0.387	46	1	01/21/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.387	0.9	1	01/21/08
Isophorone	ND	mg/kg dry	0.387		1	01/21/08
Naphthalene	ND	mg/kg dry	0.387	54	1	01/21/08
Nitrobenzene	ND	mg/kg dry	0.387		1	01/21/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.387		1	01/21/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.387		1	01/21/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.387		1	01/21/08
Pentachlorophenol	ND	mg/kg dry	1.94	5.3	1	01/21/08
Phenanthrene	**0.669**	mg/kg dry	0.387	40	1	01/21/08
Phenol	ND	mg/kg dry	0.387	6000	1	01/21/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC02
Date Sampled: 01/18/08 14:15
Percent Solids: 86
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8270C Semi-Volatile Organic Compounds

Pyrene	**0.836**	mg/kg dry	0.387	13	1	01/21/08
Pyridine	ND	mg/kg dry	1.94		1	01/21/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*34 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*61 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*41 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*49 %*		*30-130*
Surrogate: 2-Fluorophenol	*37 %*		*30-130*
Surrogate: Nitrobenzene-d5	*42 %*		*30-130*
Surrogate: Phenol-d6	*57 %*		*30-130*
Surrogate: p-Terphenyl-d14	*65 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B5
Date Sampled: 01/18/08 14:00
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**338**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B8
Date Sampled: 01/18/08 14:00
Percent Solids: 85
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**3110**	mg/kg dry	43.0		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC01
Date Sampled: 01/18/08 14:00
Percent Solids: 83
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801234
ESS Laboratory Sample ID: 0801234-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/21/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**62.1**	mg/kg dry	44.3		1	01/21/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*87 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	31.6	3.3	mg/kg wet	33.33		95	80-120			
Barium	32.9	3.3	mg/kg wet	33.33		99	80-120			
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120			
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead	33.5	6.7	mg/kg wet	33.33		100	80-120			
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120			
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120			
LCS Dup										
Arsenic	31.5	3.3	mg/kg wet	33.33		94	80-120	0.3	20	
Barium	33.0	3.3	mg/kg wet	33.33		99	80-120	0.1	20	
Cadmium	15.4	0.67	mg/kg wet	16.67		92	80-120	0.04	20	
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120	0.06	20	
Lead	33.4	6.7	mg/kg wet	33.33		100	80-120	0.1	20	
Selenium	64.1	6.7	mg/kg wet	66.67		96	80-120	0.03	20	
Silver	16.5	0.67	mg/kg wet	16.67		99	80-120	0.09	20	
Duplicate **Source: 0801234-03**										
Arsenic	3.10	3.2	mg/kg dry		2.94			6	35	
Barium	36.8	3.2	mg/kg dry		29.4			22	35	
Cadmium	0.157	0.64	mg/kg dry		0.159			1	35	
Chromium	12.8	1.3	mg/kg dry		11.6			10	35	
Lead	174	6.4	mg/kg dry		185			6	35	
Selenium	3.29	6.4	mg/kg dry		3.01			9	35	
Silver	ND	0.64	mg/kg dry		ND				35	
Matrix Spike **Source: 0801234-03**										
Arsenic	29.3	3.2	mg/kg dry	31.60	2.94	84	75-125			
Barium	63.5	3.2	mg/kg dry	31.60	29.4	108	75-125			
Cadmium	12.5	0.64	mg/kg dry	15.80	0.159	78	75-125			
Chromium	39.6	1.3	mg/kg dry	31.60	11.6	89	75-125			
Lead	189	6.3	mg/kg dry	31.60	185	12	75-125			
Selenium	53.5	6.3	mg/kg dry	63.20	3.01	80	75-125			
Silver	13.6	0.64	mg/kg dry	15.80	ND	86	75-125			
Reference										
Arsenic	74.8	5.0	mg/kg wet	88.80		84	80.86-119.37			
Barium	386	5.0	mg/kg wet	427.0		90	82.67-117.33			
Cadmium	54.6	1.02	mg/kg wet	63.00		87	82.06-117.94			
Chromium	84.0	2.0	mg/kg wet	97.90		86	78.86-120.53			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA81816 - 3050B										
Lead	83.3	10.1	mg/kg wet	88.90		94	81.78-118.11			
Selenium	154	10.1	mg/kg wet	155.0		99	77.42-122.58			
Silver	75.1	1.02	mg/kg wet	81.60		92	66.3-133.58			
Batch BA81825 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.201	0.033	mg/kg wet	0.2000		101	80-120			
LCS Dup										
Mercury	0.204	0.033	mg/kg wet	0.2000		102	80-120	1	20	
Reference										
Mercury	4.35	0.330	mg/kg wet	4.470		97	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Xylene O	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.55*		mg/kg wet	*2.500*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*2.72*		mg/kg wet	*2.500*		*109*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.62*		mg/kg wet	*2.500*		*105*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	23.4		ug/L	25.00		94	70-130			
1,1,1-Trichloroethane	25.1		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	19.5		ug/L	25.00		78	70-130			
1,1,2-Trichloroethane	20.8		ug/L	25.00		83	70-130			
1,1-Dichloroethane	24.0		ug/L	25.00		96	70-130			
1,1-Dichloroethene	28.5		ug/L	25.00		114	70-130			
1,1-Dichloropropene	24.8		ug/L	25.00		99	70-130			
1,2,3-Trichlorobenzene	24.9		ug/L	25.00		100	70-130			
1,2,3-Trichloropropane	20.7		ug/L	25.00		83	70-130			
1,2,4-Trichlorobenzene	25.8		ug/L	25.00		103	70-130			
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130			
1,2-Dibromo-3-Chloropropane	19.6		ug/L	25.00		79	70-130			
1,2-Dibromoethane	20.6		ug/L	25.00		82	70-130			
1,2-Dichlorobenzene	23.6		ug/L	25.00		94	70-130			
1,2-Dichloroethane	22.3		ug/L	25.00		89	70-130			
1,2-Dichloropropane	22.8		ug/L	25.00		91	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	25.00		98	70-130			
1,3-Dichloropropane	20.9		ug/L	25.00		83	70-130			
1,4-Dichlorobenzene	24.2		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	499		ug/L	500.0		100	44-241			
1-Chlorohexane	24.7		ug/L	25.00		99	70-130			
2,2-Dichloropropane	25.0		ug/L	25.00		100	70-130			
2-Butanone	107		ug/L	125.0		86	70-130			
2-Chlorotoluene	24.1		ug/L	25.00		97	70-130			
2-Hexanone	99.0		ug/L	125.0		79	70-130			
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130			
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	96.7		ug/L	125.0		77	70-130			
Acetone	119		ug/L	125.0		95	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Benzene	23.4		ug/L	25.00		94	70-130			
Bromobenzene	23.8		ug/L	25.00		95	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Bromochloromethane	21.0		ug/L	25.00		84	70-130			
Bromodichloromethane	25.3		ug/L	25.00		101	70-130			
Bromoform	21.9		ug/L	25.00		88	70-130			
Bromomethane	29.8		ug/L	25.00		119	70-130			
Carbon Disulfide	26.6		ug/L	25.00		107	70-130			
Carbon Tetrachloride	26.3		ug/L	25.00		105	70-130			
Chlorobenzene	24.1		ug/L	25.00		96	70-130			
Chloroethane	31.5		ug/L	25.00		126	70-130			
Chloroform	23.9		ug/L	25.00		96	70-130			
Chloromethane	22.7		ug/L	25.00		91	70-130			
cis-1,2-Dichloroethene	26.4		ug/L	25.00		106	70-130			
cis-1,3-Dichloropropene	22.7		ug/L	25.00		91	70-130			
Dibromochloromethane	23.5		ug/L	25.00		94	70-130			
Dibromomethane	20.5		ug/L	25.00		82	70-130			
Dichlorodifluoromethane	20.5		ug/L	25.00		82	70-130			
Diethyl Ether	21.8		ug/L	25.00		87	70-130			
Di-isopropyl ether	23.3		ug/L	25.00		93	70-130			
Ethyl tertiary-butyl ether	21.8		ug/L	25.00		87	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Ethylbenzene	24.2		ug/L	25.00		97	70-130			
Hexachlorobutadiene	29.4		ug/L	25.00		117	70-130			
Isopropylbenzene	22.5		ug/L	25.00		90	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	21.4		ug/L	25.00		85	70-130			
Methylene Chloride	24.3		ug/L	25.00		97	70-130			
Naphthalene	20.6		ug/L	25.00		82	70-130			
n-Butylbenzene	27.1		ug/L	25.00		108	70-130			
n-Propylbenzene	26.4		ug/L	25.00		106	70-130			
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130			
Styrene	24.1		ug/L	25.00		96	70-130			
tert-Butylbenzene	26.5		ug/L	25.00		106	70-130			
Tertiary-amyl methyl ether	21.8		ug/L	25.00		87	70-130			
Tetrachloroethene	23.0		ug/L	25.00		92	70-130			
Tetrahydrofuran	17.8		ug/L	25.00		71	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
Toluene	24.0		ug/L	25.00		96	70-130			
trans-1,2-Dichloroethene	26.5		ug/L	25.00		106	70-130			
trans-1,3-Dichloropropene	19.8		ug/L	25.00		79	70-130			
Trichloroethene	24.3		ug/L	25.00		97	70-130			
Vinyl Acetate	20.8		ug/L	25.00		83	70-130			
Vinyl Chloride	28.8		ug/L	25.00		115	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene O	24.4		ug/L	25.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Xylene P,M	49.1		ug/L	50.00		98	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.52*		mg/kg wet	*2.500*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*2.63*		mg/kg wet	*2.500*		*105*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.68*		mg/kg wet	*2.500*		*107*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.1		ug/L	25.00		96	70-130	3	20	
1,1,1-Trichloroethane	25.6		ug/L	25.00		102	70-130	2	20	
1,1,2,2-Tetrachloroethane	21.1		ug/L	25.00		84	70-130	8	20	
1,1,2-Trichloroethane	22.4		ug/L	25.00		90	70-130	7	20	
1,1-Dichloroethane	24.4		ug/L	25.00		98	70-130	1	20	
1,1-Dichloroethene	28.4		ug/L	25.00		114	70-130	0.2	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
1,2,3-Trichlorobenzene	26.2		ug/L	25.00		105	70-130	5	20	
1,2,3-Trichloropropane	22.0		ug/L	25.00		88	70-130	6	20	
1,2,4-Trichlorobenzene	26.7		ug/L	25.00		107	70-130	3	20	
1,2,4-Trimethylbenzene	25.7		ug/L	25.00		103	70-130	0.1	20	
1,2-Dibromo-3-Chloropropane	22.0		ug/L	25.00		88	70-130	12	20	
1,2-Dibromoethane	22.0		ug/L	25.00		88	70-130	7	20	
1,2-Dichlorobenzene	24.2		ug/L	25.00		97	70-130	2	20	
1,2-Dichloroethane	23.4		ug/L	25.00		94	70-130	5	20	
1,2-Dichloropropane	23.4		ug/L	25.00		94	70-130	3	20	
1,3,5-Trimethylbenzene	24.8		ug/L	25.00		99	70-130	0.8	20	
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
1,3-Dichloropropane	22.3		ug/L	25.00		89	70-130	7	20	
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130	0.7	20	
1,4-Dioxane - Screen	564		ug/L	500.0		113	44-241	12	200	
1-Chlorohexane	24.8		ug/L	25.00		99	70-130	0.5	20	
2,2-Dichloropropane	26.8		ug/L	25.00		107	70-130	7	20	
2-Butanone	119		ug/L	125.0		95	70-130	10	20	
2-Chlorotoluene	24.6		ug/L	25.00		98	70-130	2	20	
2-Hexanone	111		ug/L	125.0		88	70-130	11	20	
4-Chlorotoluene	24.3		ug/L	25.00		97	70-130	0.08	20	
4-Isopropyltoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Methyl-2-Pentanone	108		ug/L	125.0		86	70-130	11	20	
Acetone	135		ug/L	125.0		108	70-130	12	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Benzene	23.8		ug/L	25.00		95	70-130	2	20	
Bromobenzene	24.3		ug/L	25.00		97	70-130	2	20	
Bromochloromethane	22.2		ug/L	25.00		89	70-130	5	20	
Bromodichloromethane	26.4		ug/L	25.00		106	70-130	4	20	
Bromoform	23.7		ug/L	25.00		95	70-130	8	20	
Bromomethane	30.2		ug/L	25.00		121	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Carbon Disulfide	27.3		ug/L	25.00		109	70-130	2	20	
Carbon Tetrachloride	26.9		ug/L	25.00		108	70-130	2	20	
Chlorobenzene	24.4		ug/L	25.00		97	70-130	1	20	
Chloroethane	28.6		ug/L	25.00		114	70-130	10	20	
Chloroform	24.5		ug/L	25.00		98	70-130	2	20	
Chloromethane	22.9		ug/L	25.00		91	70-130	0.6	20	
cis-1,2-Dichloroethene	26.6		ug/L	25.00		106	70-130	0.7	20	
cis-1,3-Dichloropropene	23.9		ug/L	25.00		96	70-130	5	20	
Dibromochloromethane	24.8		ug/L	25.00		99	70-130	5	20	
Dibromomethane	22.3		ug/L	25.00		89	70-130	8	20	
Dichlorodifluoromethane	21.0		ug/L	25.00		84	70-130	2	20	
Diethyl Ether	23.4		ug/L	25.00		93	70-130	7	20	
Di-isopropyl ether	24.2		ug/L	25.00		97	70-130	4	20	
Ethyl tertiary-butyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.7	20	
Hexachlorobutadiene	29.2		ug/L	25.00		117	70-130	0.5	20	
Isopropylbenzene	22.2		ug/L	25.00		89	70-130	1	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methyl tert-Butyl Ether	23.2		ug/L	25.00		93	70-130	8	20	
Methylene Chloride	24.9		ug/L	25.00		99	70-130	2	20	
Naphthalene	22.4		ug/L	25.00		90	70-130	9	20	
n-Butylbenzene	27.1		ug/L	25.00		108	70-130	0.1	20	
n-Propylbenzene	26.0		ug/L	25.00		104	70-130	2	20	
sec-Butylbenzene	25.8		ug/L	25.00		103	70-130	1	20	
Styrene	24.5		ug/L	25.00		98	70-130	2	20	
tert-Butylbenzene	27.0		ug/L	25.00		108	70-130	2	20	
Tertiary-amyl methyl ether	23.2		ug/L	25.00		93	70-130	6	20	
Tetrachloroethene	21.8		ug/L	25.00		87	70-130	6	20	
Tetrahydrofuran	19.5		ug/L	25.00		78	70-130	9	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
Toluene	24.7		ug/L	25.00		99	70-130	3	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	2	20	
trans-1,3-Dichloropropene	21.2		ug/L	25.00		85	70-130	7	20	
Trichloroethene	24.6		ug/L	25.00		98	70-130	1	20	
Vinyl Acetate	22.1		ug/L	25.00		88	70-130	6	20	
Vinyl Chloride	29.7		ug/L	25.00		119	70-130	3	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene O	24.6		ug/L	25.00		98	70-130	0.8	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Xylene P,M	49.5		ug/L	50.00		99	70-130	0.7	20	
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 1,2-Dichloroethane-d4	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.58*		mg/kg wet	*2.500*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Surrogate: Dibromofluoromethane	*2.70*		mg/kg wet	*2.500*		*108*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Surrogate: Toluene-d8	*2.69*		mg/kg wet	*2.500*		*107*	*70-130*			
Matrix Spike Source: 0801234-03										
1,1,1,2-Tetrachloroethane	24.7		ug/L	24.98	ND	99	70-130			
1,1,1-Trichloroethane	26.3		ug/L	24.98	ND	105	70-130			
1,1,2,2-Tetrachloroethane	22.2		ug/L	24.98	ND	89	70-130			
1,1,2-Trichloroethane	24.3		ug/L	24.98	ND	97	70-130			
1,1-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,1-Dichloroethene	29.9		ug/L	24.98	ND	120	70-130			
1,1-Dichloropropene	26.1		ug/L	24.98	ND	105	70-130			
1,2,3-Trichlorobenzene	27.3		ug/L	24.98	ND	109	70-130			
1,2,3-Trichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,2,4-Trichlorobenzene	28.0		ug/L	24.98	ND	112	70-130			
1,2,4-Trimethylbenzene	26.3		ug/L	24.98	ND	105	70-130			
1,2-Dibromo-3-Chloropropane	23.1		ug/L	24.98	ND	92	70-130			
1,2-Dibromoethane	23.9		ug/L	24.98	ND	96	70-130			
1,2-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130			
1,2-Dichloroethane	24.9		ug/L	24.98	ND	100	70-130			
1,2-Dichloropropane	24.4		ug/L	24.98	ND	98	70-130			
1,3,5-Trimethylbenzene	24.9		ug/L	24.98	ND	100	70-130			
1,3-Dichlorobenzene	24.6		ug/L	24.98	ND	99	70-130			
1,3-Dichloropropane	23.6		ug/L	24.98	ND	94	70-130			
1,4-Dichlorobenzene	24.4		ug/L	24.98	ND	98	70-130			
1,4-Dioxane - Screen	222		ug/L	499.7	ND	44	44-241			
1-Chlorohexane	25.6		ug/L	24.98	ND	103	70-130			
2,2-Dichloropropane	25.0		ug/L	24.98	-0.192	101	70-130			
2-Butanone	124		ug/L	124.9	ND	100	70-130			
2-Chlorotoluene	23.6		ug/L	24.98	ND	95	70-130			
2-Hexanone	115		ug/L	124.9	ND	92	70-130			
4-Chlorotoluene	24.1		ug/L	24.98	ND	97	70-130			
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130			
4-Methyl-2-Pentanone	114		ug/L	124.9	ND	92	70-130			
Acetone	136		ug/L	124.9	ND	109	70-130			
Benzene	24.8		ug/L	24.98	0.341	98	70-130			
Bromobenzene	24.6		ug/L	24.98	ND	99	70-130			
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130			
Bromodichloromethane	27.4		ug/L	24.98	ND	110	70-130			
Bromoform	24.9		ug/L	24.98	ND	100	70-130			
Bromomethane	27.1		ug/L	24.98	ND	109	70-130			
Carbon Disulfide	28.1		ug/L	24.98	ND	112	70-130			
Carbon Tetrachloride	27.6		ug/L	24.98	ND	110	70-130			
Chlorobenzene	25.0		ug/L	24.98	ND	100	70-130			
Chloroethane	30.0		ug/L	24.98	ND	120	70-130			
Chloroform	25.0		ug/L	24.98	ND	100	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
Chloromethane	23.6		ug/L	24.98	ND	94	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130			
cis-1,3-Dichloropropene	24.6		ug/L	24.98	ND	98	70-130			
Dibromochloromethane	26.0		ug/L	24.98	ND	104	70-130			
Dibromomethane	23.9		ug/L	24.98	ND	96	70-130			
Dichlorodifluoromethane	22.5		ug/L	24.98	ND	90	70-130			
Diethyl Ether	25.2		ug/L	24.98	ND	101	70-130			
Di-isopropyl ether	24.6		ug/L	24.98	ND	99	70-130			
Ethyl tertiary-butyl ether	24.1		ug/L	24.98	ND	97	70-130			
Ethylbenzene	24.9		ug/L	24.98	0.0958	99	70-130			
Hexachlorobutadiene	30.4		ug/L	24.98	ND	121	70-130			
Isopropylbenzene	22.2		ug/L	24.98	ND	89	70-130			
Methyl tert-Butyl Ether	24.4		ug/L	24.98	ND	98	70-130			
Methylene Chloride	25.6		ug/L	24.98	0.149	102	70-130			
Naphthalene	25.4		ug/L	24.98	3.32	89	70-130			
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130			
n-Propylbenzene	26.7		ug/L	24.98	ND	107	70-130			
sec-Butylbenzene	26.0		ug/L	24.98	ND	104	70-130			
Styrene	25.1		ug/L	24.98	ND	101	70-130			
tert-Butylbenzene	26.6		ug/L	24.98	ND	107	70-130			
Tertiary-amyl methyl ether	24.6		ug/L	24.98	ND	98	70-130			
Tetrachloroethene	23.8		ug/L	24.98	ND	95	70-130			
Tetrahydrofuran	21.2		ug/L	24.98	ND	85	70-130			
Toluene	26.0		ug/L	24.98	0.628	102	70-130			
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	110	70-130			
trans-1,3-Dichloropropene	22.3		ug/L	24.98	ND	89	70-130			
Trichloroethene	25.8		ug/L	24.98	ND	103	70-130			
Vinyl Acetate	22.7		ug/L	24.98	ND	91	70-130			
Vinyl Chloride	31.1		ug/L	24.98	ND	124	70-130			
Xylene O	25.2		ug/L	24.98	ND	101	70-130			
Xylene P,M	50.7		ug/L	49.97	0.181	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*5.52*		mg/kg dry	*6.229*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.61*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*5.89*		mg/kg dry	*6.229*		*95*	*70-130*			
Surrogate: Toluene-d8	*5.81*		mg/kg dry	*6.229*		*93*	*70-130*			
Matrix Spike Dup Source: 0801234-03										
1,1,1,2-Tetrachloroethane	25.0		ug/L	24.98	ND	100	70-130	1	20	
1,1,1-Trichloroethane	26.6		ug/L	24.98	ND	106	70-130	1	20	
1,1,2,2-Tetrachloroethane	23.1		ug/L	24.98	ND	92	70-130	4	20	
1,1,2-Trichloroethane	24.9		ug/L	24.98	ND	100	70-130	3	20	
1,1-Dichloroethane	25.2		ug/L	24.98	ND	101	70-130	1	20	
1,1-Dichloroethene	29.0		ug/L	24.98	ND	116	70-130	3	20	
1,1-Dichloropropene	26.3		ug/L	24.98	ND	105	70-130	0.5	20	
1,2,3-Trichlorobenzene	29.7		ug/L	24.98	ND	119	70-130	8	20	
1,2,3-Trichloropropane	24.9		ug/L	24.98	ND	100	70-130	5	20	
1,2,4-Trichlorobenzene	29.3		ug/L	24.98	ND	117	70-130	5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

5035/8260B Volatile Organic Compounds / Methanol

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BA82108 - 5035										
1,2,4-Trimethylbenzene	26.5		ug/L	24.98	ND	106	70-130	0.9	20	
1,2-Dibromo-3-Chloropropane	25.0		ug/L	24.98	ND	100	70-130	8	20	
1,2-Dibromoethane	24.5		ug/L	24.98	ND	98	70-130	2	20	
1,2-Dichlorobenzene	25.3		ug/L	24.98	ND	101	70-130	3	20	
1,2-Dichloroethane	25.4		ug/L	24.98	ND	102	70-130	2	20	
1,2-Dichloropropane	24.6		ug/L	24.98	ND	98	70-130	0.6	20	
1,3,5-Trimethylbenzene	25.0		ug/L	24.98	ND	100	70-130	0.5	20	
1,3-Dichlorobenzene	25.2		ug/L	24.98	ND	101	70-130	2	20	
1,3-Dichloropropane	24.2		ug/L	24.98	ND	97	70-130	3	20	
1,4-Dichlorobenzene	24.6		ug/L	24.98	ND	98	70-130	0.7	20	
1,4-Dioxane - Screen	543		ug/L	499.7	ND	109	44-241	84	200	
1-Chlorohexane	25.1		ug/L	24.98	ND	100	70-130	2	20	
2,2-Dichloropropane	25.7		ug/L	24.98	-0.192	103	70-130	3	20	
2-Butanone	134		ug/L	124.9	ND	107	70-130	7	20	
2-Chlorotoluene	23.0		ug/L	24.98	ND	92	70-130	3	20	
2-Hexanone	128		ug/L	124.9	ND	102	70-130	11	20	
4-Chlorotoluene	24.7		ug/L	24.98	ND	99	70-130	2	20	
4-Isopropyltoluene	25.3		ug/L	24.98	ND	101	70-130	0.08	20	
4-Methyl-2-Pentanone	123		ug/L	124.9	ND	99	70-130	7	20	
Acetone	149		ug/L	124.9	ND	119	70-130	9	20	
Benzene	25.0		ug/L	24.98	0.341	99	70-130	1	20	
Bromobenzene	25.0		ug/L	24.98	ND	100	70-130	1	20	
Bromochloromethane	24.4		ug/L	24.98	ND	98	70-130	0.2	20	
Bromodichloromethane	28.0		ug/L	24.98	ND	112	70-130	2	20	
Bromoform	26.2		ug/L	24.98	ND	105	70-130	5	20	
Bromomethane	28.7		ug/L	24.98	ND	115	70-130	6	20	
Carbon Disulfide	28.1		ug/L	24.98	ND	113	70-130	0.2	20	
Carbon Tetrachloride	27.7		ug/L	24.98	ND	111	70-130	0.3	20	
Chlorobenzene	25.3		ug/L	24.98	ND	101	70-130	1	20	
Chloroethane	28.2		ug/L	24.98	ND	113	70-130	6	20	
Chloroform	25.4		ug/L	24.98	ND	102	70-130	2	20	
Chloromethane	24.2		ug/L	24.98	ND	97	70-130	3	20	
cis-1,2-Dichloroethene	27.9		ug/L	24.98	ND	112	70-130	0.9	20	
cis-1,3-Dichloropropene	25.0		ug/L	24.98	ND	100	70-130	2	20	
Dibromochloromethane	26.6		ug/L	24.98	ND	107	70-130	3	20	
Dibromomethane	24.4		ug/L	24.98	ND	97	70-130	2	20	
Dichlorodifluoromethane	22.3		ug/L	24.98	ND	89	70-130	1	20	
Diethyl Ether	26.0		ug/L	24.98	ND	104	70-130	3	20	
Di-isopropyl ether	25.3		ug/L	24.98	ND	101	70-130	3	20	
Ethyl tertiary-butyl ether	25.0		ug/L	24.98	ND	100	70-130	4	20	
Ethylbenzene	25.2		ug/L	24.98	0.0958	101	70-130	1	20	
Hexachlorobutadiene	31.9		ug/L	24.98	ND	128	70-130	5	20	
Isopropylbenzene	22.3		ug/L	24.98	ND	89	70-130	0.2	20	
Methyl tert-Butyl Ether	25.6		ug/L	24.98	ND	103	70-130	5	20	
Methylene Chloride	25.8		ug/L	24.98	0.149	103	70-130	0.9	20	
Naphthalene	28.4		ug/L	24.98	3.32	100	70-130	11	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82108 - 5035										
n-Butylbenzene	28.8		ug/L	24.98	ND	115	70-130	0.3	20	
n-Propylbenzene	27.3		ug/L	24.98	ND	109	70-130	2	20	
sec-Butylbenzene	26.2		ug/L	24.98	ND	105	70-130	0.7	20	
Styrene	25.5		ug/L	24.98	ND	102	70-130	2	20	
tert-Butylbenzene	25.2		ug/L	24.98	ND	101	70-130	5	20	
Tertiary-amyl methyl ether	25.6		ug/L	24.98	ND	102	70-130	4	20	
Tetrachloroethene	27.9		ug/L	24.98	ND	112	70-130	16	20	
Tetrahydrofuran	22.0		ug/L	24.98	ND	88	70-130	4	20	
Toluene	26.2		ug/L	24.98	0.628	102	70-130	0.7	20	
trans-1,2-Dichloroethene	27.6		ug/L	24.98	ND	111	70-130	0.1	20	
trans-1,3-Dichloropropene	22.9		ug/L	24.98	ND	92	70-130	3	20	
Trichloroethene	25.7		ug/L	24.98	ND	103	70-130	0.4	20	
Vinyl Acetate	23.0		ug/L	24.98	ND	92	70-130	1	20	
Vinyl Chloride	31.0		ug/L	24.98	ND	124	70-130	0.1	20	
Xylene O	25.3		ug/L	24.98	ND	101	70-130	0.6	20	
Xylene P,M	51.2		ug/L	49.97	0.181	102	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*5.62*		mg/kg dry	*6.229*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*5.68*		mg/kg dry	*6.229*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*6.00*		mg/kg dry	*6.229*		*96*	*70-130*			
Surrogate: Toluene-d8	*5.86*		mg/kg dry	*6.229*		*94*	*70-130*			
Batch BA82410 - 5035										
Blank										
Benzene	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.35*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
LCS										
Benzene	25.7		ug/L	25.00		103	70-130			
Ethylbenzene	25.5		ug/L	25.00		102	70-130			
Methyl tert-Butyl Ether	26.9		ug/L	25.00		108	70-130			
Toluene	25.7		ug/L	25.00		103	70-130			
Xylene O	25.7		ug/L	25.00		103	70-130			
Xylene P,M	51.3		ug/L	50.00		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*2.36*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
Benzene	25.5		ug/L	25.00		102	70-130	0.9	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Ethylbenzene	25.5		ug/L	25.00		102	70-130	0.2	20	
Methyl tert-Butyl Ether	27.4		ug/L	25.00		110	70-130	2	20	
Toluene	25.7		ug/L	25.00		103	70-130	0.08	20	
Xylene O	25.8		ug/L	25.00		103	70-130	0.3	20	
Xylene P,M	51.5		ug/L	50.00		103	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.48*		mg/kg wet	*2.500*		*99*	*70-130*			
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.55*		mg/kg wet	*5.000*		*71*	*40-140*			
LCS										
Decane (C10)	1.75	0.26	mg/kg wet	2.500		70	40-140			
Docosane (C22)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Dodecane (C12)	1.89	0.26	mg/kg wet	2.500		76	40-140			
Eicosane (C20)	2.22	0.26	mg/kg wet	2.500		89	40-140			
Hexacosane (C26)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Hexadecane (C16)	2.07	0.26	mg/kg wet	2.500		83	40-140			
Nonadecane (C19)	2.26	0.26	mg/kg wet	2.500		90	40-140			
Octacosane (C28)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Octadecane (C18)	2.21	0.26	mg/kg wet	2.500		89	40-140			
Tetracosane (C24)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Tetradecane (C14)	1.99	0.26	mg/kg wet	2.500		79	40-140			
Surrogate: O-Terphenyl	*3.99*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS Dup										
Decane (C10)	1.58	0.26	mg/kg wet	2.500		63	40-140	10	50	
Docosane (C22)	1.97	0.26	mg/kg wet	2.500		79	40-140	13	50	
Dodecane (C12)	1.69	0.26	mg/kg wet	2.500		67	40-140	11	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82102 - 3541										
Eicosane (C20)	1.95	0.26	mg/kg wet	2.500		78	40-140	13	50	
Hexacosane (C26)	1.97	0.26	mg/kg wet	2.500		79	40-140	14	50	
Hexadecane (C16)	1.83	0.26	mg/kg wet	2.500		73	40-140	12	50	
Nonadecane (C19)	2.00	0.26	mg/kg wet	2.500		80	40-140	12	50	
Octacosane (C28)	2.00	0.26	mg/kg wet	2.500		80	40-140	14	50	
Octadecane (C18)	1.96	0.26	mg/kg wet	2.500		78	40-140	12	50	
Tetracosane (C24)	2.12	0.26	mg/kg wet	2.500		85	40-140	14	50	
Tetradecane (C14)	1.76	0.26	mg/kg wet	2.500		70	40-140	12	50	
Surrogate: O-Terphenyl	*3.52*		mg/kg wet	*5.000*		*70*	*40-140*			
Matrix Spike Source: 0801234-01										
Decane (C10)	1.42	0.27	mg/kg dry	2.606	ND	55	40-140			
Docosane (C22)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Dodecane (C12)	1.53	0.27	mg/kg dry	2.606	ND	59	40-140			
Eicosane (C20)	1.96	0.27	mg/kg dry	2.606	ND	75	40-140			
Hexacosane (C26)	1.97	0.27	mg/kg dry	2.606	ND	76	40-140			
Hexadecane (C16)	1.75	0.27	mg/kg dry	2.606	ND	67	40-140			
Nonadecane (C19)	1.99	0.27	mg/kg dry	2.606	ND	77	40-140			
Octacosane (C28)	2.00	0.27	mg/kg dry	2.606	ND	77	40-140			
Octadecane (C18)	1.84	0.27	mg/kg dry	2.606	ND	71	40-140			
Tetracosane (C24)	2.10	0.27	mg/kg dry	2.606	ND	81	40-140			
Tetradecane (C14)	1.63	0.27	mg/kg dry	2.606	ND	63	40-140			
Surrogate: O-Terphenyl	*3.39*		mg/kg dry	*5.211*		*65*	*40-140*			
Matrix Spike Dup Source: 0801234-01										
Decane (C10)	1.57	0.26	mg/kg dry	2.593	ND	60	40-140	10	50	
Docosane (C22)	1.94	0.26	mg/kg dry	2.593	ND	75	40-140	1	50	
Dodecane (C12)	1.68	0.26	mg/kg dry	2.593	ND	65	40-140	9	50	
Eicosane (C20)	1.95	0.26	mg/kg dry	2.593	ND	75	40-140	0.7	50	
Hexacosane (C26)	1.93	0.26	mg/kg dry	2.593	ND	74	40-140	2	50	
Hexadecane (C16)	1.87	0.26	mg/kg dry	2.593	ND	72	40-140	7	50	
Nonadecane (C19)	2.01	0.26	mg/kg dry	2.593	ND	77	40-140	0.7	50	
Octacosane (C28)	1.96	0.26	mg/kg dry	2.593	ND	76	40-140	2	50	
Octadecane (C18)	1.90	0.26	mg/kg dry	2.593	ND	73	40-140	3	50	
Tetracosane (C24)	2.16	0.26	mg/kg dry	2.593	ND	83	40-140	3	50	
Tetradecane (C14)	1.80	0.26	mg/kg dry	2.593	ND	69	40-140	10	50	
Surrogate: O-Terphenyl	*3.44*		mg/kg dry	*5.185*		*66*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA81826 - 3541										
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0235*		mg/kg wet	*0.02500*		*94*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0240*		mg/kg wet	*0.02500*		*96*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.441	0.0500	mg/kg wet	0.5000		88	40-140			
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0227*		mg/kg wet	*0.02500*		*91*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
LCS Dup										
Aroclor 1016	0.473	0.0500	mg/kg wet	0.5000		95	40-140	4	50	
Aroclor 1260	0.458	0.0500	mg/kg wet	0.5000		92	40-140	4	50	
Surrogate: Decachlorobiphenyl	*0.0249*		mg/kg wet	*0.02500*		*100*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0241*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0247*		mg/kg wet	*0.02500*		*99*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

8270C Semi-Volatile Organic Compounds

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Batch BA82115 - 3541										
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.92*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.34*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.31*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.41*		mg/kg wet	*3.750*		*64*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.78*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: Phenol-d6	*3.09*		mg/kg wet	*3.750*		*82*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.96*		mg/kg wet	*2.500*		*78*	*30-130*			
LCS										
1,1-Biphenyl	1.48	0.250	mg/kg wet	2.500		59	40-140			
1,2,4-Trichlorobenzene	1.26	0.250	mg/kg wet	2.500		50	40-140			
1,2-Dichlorobenzene	1.28	0.250	mg/kg wet	2.500		51	40-140			
1,3-Dichlorobenzene	1.22	0.250	mg/kg wet	2.500		49	40-140			
1,4-Dichlorobenzene	1.21	0.250	mg/kg wet	2.500		49	40-140			
2,3,4,6-Tetrachlorophenol	1.83	1.25	mg/kg wet	2.500		73	30-130			
2,4,5-Trichlorophenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4,6-Trichlorophenol	1.53	0.250	mg/kg wet	2.500		61	30-130			
2,4-Dichlorophenol	1.45	0.250	mg/kg wet	2.500		58	30-130			
2,4-Dimethylphenol	1.30	0.250	mg/kg wet	2.500		52	30-130			
2,4-Dinitrophenol	0.535	1.25	mg/kg wet	2.500		21	30-130			B-
2,4-Dinitrotoluene	1.68	0.250	mg/kg wet	2.500		67	40-140			
2,6-Dinitrotoluene	1.52	0.250	mg/kg wet	2.500		61	40-140			
2-Chloronaphthalene	1.10	0.250	mg/kg wet	2.500		44	40-140			
2-Chlorophenol	1.23	0.250	mg/kg wet	2.500		49	30-130			
2-Methylnaphthalene	1.29	0.250	mg/kg wet	2.500		52	40-140			
2-Methylphenol	1.40	0.250	mg/kg wet	2.500		56	30-130			
2-Nitroaniline	1.02	0.250	mg/kg wet	2.500		41	40-140			
2-Nitrophenol	1.25	0.250	mg/kg wet	2.500		50	30-130			
3,3'-Dichlorobenzidine	1.87	0.500	mg/kg wet	2.500		75	40-140			
3+4-Methylphenol	2.34	0.500	mg/kg wet	5.000		47	30-130			
3-Nitroaniline	1.62	0.250	mg/kg wet	2.500		65	40-140			
4,6-Dinitro-2-Methylphenol	0.964	1.25	mg/kg wet	2.500		39	30-130			
4-Bromophenyl-phenylether	1.49	0.250	mg/kg wet	2.500		60	40-140			
4-Chloro-3-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130			
4-Chloroaniline	0.822	0.500	mg/kg wet	2.500		33	40-140			B-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
4-Chloro-phenyl-phenyl ether	1.55	0.250	mg/kg wet	2.500		62	40-140			
4-Nitroaniline	1.72	0.250	mg/kg wet	2.500		69	40-140			
4-Nitrophenol	1.79	1.25	mg/kg wet	2.500		72	30-130			
Acenaphthene	1.41	0.250	mg/kg wet	2.500		56	40-140			
Acenaphthylene	1.37	0.250	mg/kg wet	2.500		55	40-140			
Acetophenone	1.32	0.500	mg/kg wet	2.500		53	40-140			
Aniline	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Anthracene	1.55	0.250	mg/kg wet	2.500		62	40-140			
Azobenzene	1.44	0.250	mg/kg wet	2.500		58	40-140			
Benzo(a)anthracene	1.90	0.250	mg/kg wet	2.500		76	40-140			
Benzo(a)pyrene	1.75	0.125	mg/kg wet	2.500		70	40-140			
Benzo(b)fluoranthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(g,h,i)perylene	1.86	0.250	mg/kg wet	2.500		74	40-140			
Benzo(k)fluoranthene	1.87	0.250	mg/kg wet	2.500		75	40-140			
Benzoic Acid	ND	1.25	mg/kg wet	2.500			40-140			B-
Benzyl Alcohol	1.33	0.250	mg/kg wet	2.500		53	40-140			
bis(2-Chloroethoxy)methane	1.11	0.250	mg/kg wet	2.500		44	40-140			
bis(2-Chloroethyl)ether	1.38	0.250	mg/kg wet	2.500		55	40-140			
bis(2-chloroisopropyl)Ether	1.16	0.250	mg/kg wet	2.500		46	40-140			
bis(2-Ethylhexyl)phthalate	1.90	0.250	mg/kg wet	2.500		76	40-140			
Butylbenzylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140			
Carbazole	1.79	0.250	mg/kg wet	2.500		72	40-140			
Chrysene	1.87	0.125	mg/kg wet	2.500		75	40-140			
Dibenzo(a,h)Anthracene	1.83	0.125	mg/kg wet	2.500		73	40-140			
Dibenzofuran	1.44	0.250	mg/kg wet	2.500		58	40-140			
Diethylphthalate	1.47	0.250	mg/kg wet	2.500		59	40-140			
Dimethylphthalate	1.56	0.250	mg/kg wet	2.500		62	40-140			
Di-n-butylphthalate	1.71	0.250	mg/kg wet	2.500		68	40-140			
Di-n-octylphthalate	1.73	0.250	mg/kg wet	2.500		69	40-140			
Fluoranthene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Fluorene	1.39	0.250	mg/kg wet	2.500		55	40-140			
Hexachlorobenzene	1.43	0.125	mg/kg wet	2.500		57	40-140			
Hexachlorobutadiene	1.21	0.250	mg/kg wet	2.500		48	40-140			
Hexachlorocyclopentadiene	0.768	1.25	mg/kg wet	2.500		31	40-140			B-
Hexachloroethane	1.19	0.250	mg/kg wet	2.500		48	40-140			
Indeno(1,2,3-cd)Pyrene	1.85	0.250	mg/kg wet	2.500		74	40-140			
Isophorone	1.24	0.250	mg/kg wet	2.500		49	40-140			
Naphthalene	1.18	0.250	mg/kg wet	2.500		47	40-140			
Nitrobenzene	1.18	0.250	mg/kg wet	2.500		47	40-140			
N-Nitrosodimethylamine	1.12	0.250	mg/kg wet	2.500		45	40-140			
N-Nitroso-Di-n-Propylamine	1.05	0.250	mg/kg wet	2.500		42	40-140			
N-nitrosodiphenylamine	1.56	0.250	mg/kg wet	2.500		62	40-140			
Pentachlorophenol	1.90	1.25	mg/kg wet	2.500		76	30-130			
Phenanthrene	1.57	0.250	mg/kg wet	2.500		63	40-140			
Phenol	1.33	0.250	mg/kg wet	2.500		53	30-130			
Pyrene	1.78	0.250	mg/kg wet	2.500		71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Pyridine	0.940	1.25	mg/kg wet	2.500		38	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.17*		mg/kg wet	*2.500*		*47*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.73*		mg/kg wet	*3.750*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.31*		mg/kg wet	*2.500*		*52*	*30-130*			
Surrogate: 2-Fluorophenol	*1.75*		mg/kg wet	*3.750*		*47*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.19*		mg/kg wet	*2.500*		*48*	*30-130*			
Surrogate: Phenol-d6	*2.15*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.75*		mg/kg wet	*2.500*		*70*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.73	0.250	mg/kg wet	2.500		69	40-140	16	30	
1,2,4-Trichlorobenzene	1.37	0.250	mg/kg wet	2.500		55	40-140	9	30	
1,2-Dichlorobenzene	1.30	0.250	mg/kg wet	2.500		52	40-140	2	30	
1,3-Dichlorobenzene	1.25	0.250	mg/kg wet	2.500		50	40-140	2	30	
1,4-Dichlorobenzene	1.31	0.250	mg/kg wet	2.500		53	40-140	8	30	
2,3,4,6-Tetrachlorophenol	1.97	1.25	mg/kg wet	2.500		79	30-130	7	30	
2,4,5-Trichlorophenol	1.79	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4,6-Trichlorophenol	1.71	0.250	mg/kg wet	2.500		68	30-130	11	30	
2,4-Dichlorophenol	1.59	0.250	mg/kg wet	2.500		64	30-130	9	30	
2,4-Dimethylphenol	1.48	0.250	mg/kg wet	2.500		59	30-130	13	30	
2,4-Dinitrophenol	0.804	1.25	mg/kg wet	2.500		32	30-130	40	30	D+
2,4-Dinitrotoluene	1.95	0.250	mg/kg wet	2.500		78	40-140	15	30	
2,6-Dinitrotoluene	1.75	0.250	mg/kg wet	2.500		70	40-140	14	30	
2-Chloronaphthalene	1.23	0.250	mg/kg wet	2.500		49	40-140	12	30	
2-Chlorophenol	1.30	0.250	mg/kg wet	2.500		52	30-130	6	30	
2-Methylnaphthalene	1.45	0.250	mg/kg wet	2.500		58	40-140	11	30	
2-Methylphenol	1.55	0.250	mg/kg wet	2.500		62	30-130	10	30	
2-Nitroaniline	1.01	0.250	mg/kg wet	2.500		41	40-140	1	30	
2-Nitrophenol	1.45	0.250	mg/kg wet	2.500		58	30-130	15	30	
3,3'-Dichlorobenzidine	2.00	0.500	mg/kg wet	2.500		80	40-140	7	30	
3+4-Methylphenol	1.39	0.500	mg/kg wet	5.000		28	30-130	51	30	B-, D+
3-Nitroaniline	1.85	0.250	mg/kg wet	2.500		74	40-140	13	30	
4,6-Dinitro-2-Methylphenol	1.46	1.25	mg/kg wet	2.500		58	30-130	41	30	D+
4-Bromophenyl-phenylether	1.68	0.250	mg/kg wet	2.500		67	40-140	12	30	
4-Chloro-3-Methylphenol	1.73	0.250	mg/kg wet	2.500		69	30-130	11	30	
4-Chloroaniline	0.905	0.500	mg/kg wet	2.500		36	40-140	10	30	B-
4-Chloro-phenyl-phenyl ether	1.73	0.250	mg/kg wet	2.500		69	40-140	11	30	
4-Nitroaniline	1.91	0.250	mg/kg wet	2.500		77	40-140	11	30	
4-Nitrophenol	1.95	1.25	mg/kg wet	2.500		78	30-130	9	30	
Acenaphthene	1.60	0.250	mg/kg wet	2.500		64	40-140	13	30	
Acenaphthylene	1.49	0.250	mg/kg wet	2.500		60	40-140	9	30	
Acetophenone	1.48	0.500	mg/kg wet	2.500		59	40-140	11	30	
Aniline	0.828	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Anthracene	1.72	0.250	mg/kg wet	2.500		69	40-140	11	30	
Azobenzene	1.64	0.250	mg/kg wet	2.500		66	40-140	13	30	
Benzo(a)anthracene	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Benzo(a)pyrene	1.87	0.125	mg/kg wet	2.500		75	40-140	7	30	
Benzo(b)fluoranthene	2.05	0.250	mg/kg wet	2.500		82	40-140	10	30	
Benzo(g,h,i)perylene	1.92	0.250	mg/kg wet	2.500		77	40-140	3	30	
Benzo(k)fluoranthene	1.94	0.250	mg/kg wet	2.500		78	40-140	4	30	
Benzoic Acid	0.271	1.25	mg/kg wet	2.500		11	40-140	200	30	B-, D+
Benzyl Alcohol	1.44	0.250	mg/kg wet	2.500		58	40-140	9	30	
bis(2-Chloroethoxy)methane	1.21	0.250	mg/kg wet	2.500		48	40-140	9	30	
bis(2-Chloroethyl)ether	1.50	0.250	mg/kg wet	2.500		60	40-140	8	30	
bis(2-chloroisopropyl)Ether	1.29	0.250	mg/kg wet	2.500		52	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.02	0.250	mg/kg wet	2.500		81	40-140	6	30	
Butylbenzylphthalate	1.99	0.250	mg/kg wet	2.500		80	40-140	7	30	
Carbazole	1.93	0.250	mg/kg wet	2.500		77	40-140	7	30	
Chrysene	1.96	0.125	mg/kg wet	2.500		78	40-140	5	30	
Dibenzo(a,h)Anthracene	1.96	0.125	mg/kg wet	2.500		78	40-140	7	30	
Dibenzofuran	1.59	0.250	mg/kg wet	2.500		63	40-140	10	30	
Diethylphthalate	1.67	0.250	mg/kg wet	2.500		67	40-140	13	30	
Dimethylphthalate	1.74	0.250	mg/kg wet	2.500		70	40-140	11	30	
Di-n-butylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140	9	30	
Di-n-octylphthalate	1.83	0.250	mg/kg wet	2.500		73	40-140	5	30	
Fluoranthene	1.97	0.250	mg/kg wet	2.500		79	40-140	8	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	12	30	
Hexachlorobenzene	1.65	0.125	mg/kg wet	2.500		66	40-140	14	30	
Hexachlorobutadiene	1.34	0.250	mg/kg wet	2.500		54	40-140	10	30	
Hexachlorocyclopentadiene	0.835	1.25	mg/kg wet	2.500		33	40-140	8	30	B-
Hexachloroethane	1.25	0.250	mg/kg wet	2.500		50	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	1.95	0.250	mg/kg wet	2.500		78	40-140	5	30	
Isophorone	1.32	0.250	mg/kg wet	2.500		53	40-140	6	30	
Naphthalene	1.34	0.250	mg/kg wet	2.500		54	40-140	12	30	
Nitrobenzene	1.35	0.250	mg/kg wet	2.500		54	40-140	14	30	
N-Nitrosodimethylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	5	30	
N-Nitroso-Di-n-Propylamine	1.18	0.250	mg/kg wet	2.500		47	40-140	12	30	
N-nitrosodiphenylamine	1.76	0.250	mg/kg wet	2.500		71	40-140	12	30	
Pentachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130	16	30	
Phenanthrene	1.79	0.250	mg/kg wet	2.500		71	40-140	13	30	
Phenol	1.38	0.250	mg/kg wet	2.500		55	30-130	3	30	
Pyrene	1.86	0.250	mg/kg wet	2.500		74	40-140	4	30	
Pyridine	0.976	1.25	mg/kg wet	2.500		39	40-140	4	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.24*		mg/kg wet	*2.500*		*50*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.59*		mg/kg wet	*3.750*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.91*		mg/kg wet	*3.750*		*51*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.42*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: 2-Fluorophenol	*1.89*		mg/kg wet	*3.750*		*50*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.33*		mg/kg wet	*2.500*		*53*	*30-130*			
Surrogate: Phenol-d6	*2.42*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.91*		mg/kg wet	*2.500*		*77*	*30-130*			

Matrix Spike **Source: 0801234-03**

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
1,1-Biphenyl	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
1,2,4-Trichlorobenzene	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
1,2-Dichlorobenzene	1.87	0.387	mg/kg dry	3.876	ND	48	40-140			
1,3-Dichlorobenzene	1.82	0.387	mg/kg dry	3.876	ND	47	40-140			
1,4-Dichlorobenzene	1.88	0.387	mg/kg dry	3.876	ND	49	40-140			
2,3,4,6-Tetrachlorophenol	3.19	1.94	mg/kg dry	3.876	ND	82	30-130			
2,4,5-Trichlorophenol	2.67	0.387	mg/kg dry	3.876	ND	69	30-130			
2,4,6-Trichlorophenol	2.82	0.387	mg/kg dry	3.876	ND	73	30-130			
2,4-Dichlorophenol	2.38	0.387	mg/kg dry	3.876	ND	61	30-130			
2,4-Dimethylphenol	2.13	0.387	mg/kg dry	3.876	ND	55	30-130			
2,4-Dinitrophenol	0.945	1.94	mg/kg dry	3.876	ND	24	30-130			M-
2,4-Dinitrotoluene	2.64	0.387	mg/kg dry	3.876	ND	68	40-140			
2,6-Dinitrotoluene	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
2-Chloronaphthalene	1.76	0.387	mg/kg dry	3.876	ND	45	40-140			
2-Chlorophenol	1.93	0.387	mg/kg dry	3.876	ND	50	30-130			
2-Methylnaphthalene	2.05	0.387	mg/kg dry	3.876	0.0744	51	40-140			
2-Methylphenol	2.15	0.387	mg/kg dry	3.876	ND	55	30-130			
2-Nitroaniline	3.03	0.387	mg/kg dry	3.876	ND	78	40-140			
2-Nitrophenol	2.09	0.387	mg/kg dry	3.876	ND	54	30-130			
3,3'-Dichlorobenzidine	2.81	0.776	mg/kg dry	3.876	ND	72	40-140			
3+4-Methylphenol	3.47	0.776	mg/kg dry	7.752	ND	45	30-130			
3-Nitroaniline	2.54	0.387	mg/kg dry	3.876	ND	66	40-140			
4,6-Dinitro-2-Methylphenol	1.46	1.94	mg/kg dry	3.876	ND	38	30-130			
4-Bromophenyl-phenylether	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
4-Chloro-3-Methylphenol	2.56	0.387	mg/kg dry	3.876	ND	66	30-130			
4-Chloroaniline	1.70	0.776	mg/kg dry	3.876	ND	44	40-140			
4-Chloro-phenyl-phenyl ether	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
4-Nitroaniline	2.57	0.387	mg/kg dry	3.876	ND	66	40-140			
4-Nitrophenol	0.320	1.94	mg/kg dry	3.876	ND	8	30-130			M-
Acenaphthene	2.45	0.387	mg/kg dry	3.876	0.112	60	40-140			
Acenaphthylene	2.14	0.387	mg/kg dry	3.876	0.0864	53	40-140			
Acetophenone	2.04	0.776	mg/kg dry	3.876	ND	53	40-140			
Aniline	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Anthracene	2.75	0.387	mg/kg dry	3.876	0.126	68	40-140			
Azobenzene	2.25	0.387	mg/kg dry	3.876	ND	58	40-140			
Benzo(a)anthracene	3.32	0.387	mg/kg dry	3.876	0.497	73	40-140			
Benzo(a)pyrene	2.92	0.194	mg/kg dry	3.876	0.469	63	40-140			
Benzo(b)fluoranthene	3.43	0.387	mg/kg dry	3.876	0.403	78	40-140			
Benzo(g,h,i)perylene	2.57	0.387	mg/kg dry	3.876	0.322	58	40-140			
Benzo(k)fluoranthene	2.20	0.387	mg/kg dry	3.876	0.161	52	40-140			
Benzoic Acid	ND	1.94	mg/kg dry	3.876	ND		40-140			M-
Benzyl Alcohol	2.08	0.387	mg/kg dry	3.876	ND	54	40-140			
bis(2-Chloroethoxy)methane	1.89	0.387	mg/kg dry	3.876	ND	49	40-140			
bis(2-Chloroethyl)ether	2.27	0.387	mg/kg dry	3.876	ND	58	40-140			
bis(2-chloroisopropyl)Ether	1.85	0.387	mg/kg dry	3.876	ND	48	40-140			
bis(2-Ethylhexyl)phthalate	2.81	0.387	mg/kg dry	3.876	0.0376	71	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Butylbenzylphthalate	2.67	0.387	mg/kg dry	3.876	ND	69	40-140			
Carbazole	2.86	0.387	mg/kg dry	3.876	ND	74	40-140			
Chrysene	3.14	0.194	mg/kg dry	3.876	0.516	68	40-140			
Dibenzo(a,h)Anthracene	2.68	0.194	mg/kg dry	3.876	0.107	66	40-140			
Dibenzofuran	2.64	0.387	mg/kg dry	3.876	0.0988	66	40-140			
Diethylphthalate	2.43	0.387	mg/kg dry	3.876	ND	63	40-140			
Dimethylphthalate	2.35	0.387	mg/kg dry	3.876	ND	61	40-140			
Di-n-butylphthalate	2.65	0.387	mg/kg dry	3.876	ND	68	40-140			
Di-n-octylphthalate	2.48	0.387	mg/kg dry	3.876	ND	64	40-140			
Fluoranthene	3.94	0.387	mg/kg dry	3.876	0.944	77	40-140			
Fluorene	2.58	0.387	mg/kg dry	3.876	0.112	64	40-140			
Hexachlorobenzene	2.74	0.194	mg/kg dry	3.876	ND	71	40-140			
Hexachlorobutadiene	2.02	0.387	mg/kg dry	3.876	ND	52	40-140			
Hexachlorocyclopentadiene	0.602	1.94	mg/kg dry	3.876	ND	16	40-140			M-
Hexachloroethane	1.74	0.387	mg/kg dry	3.876	ND	45	40-140			
Indeno(1,2,3-cd)Pyrene	2.78	0.387	mg/kg dry	3.876	0.303	64	40-140			
Isophorone	1.94	0.387	mg/kg dry	3.876	ND	50	40-140			
Naphthalene	1.97	0.387	mg/kg dry	3.876	0.0543	49	40-140			
Nitrobenzene	1.98	0.387	mg/kg dry	3.876	ND	51	40-140			
N-Nitrosodimethylamine	1.80	0.387	mg/kg dry	3.876	ND	46	40-140			
N-Nitroso-Di-n-Propylamine	1.81	0.387	mg/kg dry	3.876	ND	47	40-140			
N-nitrosodiphenylamine	3.56	0.387	mg/kg dry	3.876	ND	92	40-140			
Pentachlorophenol	3.28	1.94	mg/kg dry	3.876	ND	85	30-130			
Phenanthrene	3.49	0.387	mg/kg dry	3.876	0.669	73	40-140			
Phenol	2.02	0.387	mg/kg dry	3.876	ND	52	30-130			
Pyrene	3.34	0.387	mg/kg dry	3.876	0.836	64	40-140			
Pyridine	1.31	1.94	mg/kg dry	3.876	ND	34	40-140			M-
Surrogate: 1,2-Dichlorobenzene-d4	*1.67*		mg/kg dry	*3.876*		*43*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*4.03*		mg/kg dry	*5.814*		*69*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.69*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*2.13*		mg/kg dry	*3.876*		*55*	*30-130*			
Surrogate: 2-Fluorophenol	*2.66*		mg/kg dry	*5.814*		*46*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.95*		mg/kg dry	*3.876*		*50*	*30-130*			
Surrogate: Phenol-d6	*3.34*		mg/kg dry	*5.814*		*58*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.65*		mg/kg dry	*3.876*		*68*	*30-130*			
Matrix Spike Dup Source: 0801234-03										**DM**
1,1-Biphenyl	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	17	30	
1,2,4-Trichlorobenzene	1.87	0.380	mg/kg dry	2.660	ND	70	40-140	27	30	
1,2-Dichlorobenzene	1.84	0.380	mg/kg dry	2.660	ND	69	40-140	35	30	
1,3-Dichlorobenzene	1.75	0.380	mg/kg dry	2.660	ND	66	40-140	33	30	
1,4-Dichlorobenzene	1.79	0.380	mg/kg dry	2.660	ND	67	40-140	32	30	
2,3,4,6-Tetrachlorophenol	1.87	1.90	mg/kg dry	2.660	ND	70	30-130	16	30	
2,4,5-Trichlorophenol	2.19	0.380	mg/kg dry	2.660	ND	82	30-130	18	30	
2,4,6-Trichlorophenol	2.23	0.380	mg/kg dry	2.660	ND	84	30-130	14	30	
2,4-Dichlorophenol	2.10	0.380	mg/kg dry	2.660	ND	79	30-130	25	30	
2,4-Dimethylphenol	2.03	0.380	mg/kg dry	2.660	ND	76	30-130	32	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
2,4-Dinitrophenol	0.506	1.90	mg/kg dry	2.660	ND	19	30-130	25	30	M-
2,4-Dinitrotoluene	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
2,6-Dinitrotoluene	2.19	0.380	mg/kg dry	2.660	ND	82	40-140	30	30	
2-Chloronaphthalene	1.63	0.380	mg/kg dry	2.660	ND	61	40-140	30	30	
2-Chlorophenol	1.90	0.380	mg/kg dry	2.660	ND	72	30-130	36	30	
2-Methylnaphthalene	1.95	0.380	mg/kg dry	2.660	0.0744	71	40-140	32	30	
2-Methylphenol	1.90	0.380	mg/kg dry	2.660	ND	71	30-130	25	30	
2-Nitroaniline	2.48	0.380	mg/kg dry	2.660	ND	93	40-140	18	30	
2-Nitrophenol	2.04	0.380	mg/kg dry	2.660	ND	77	30-130	35	30	
3,3´-Dichlorobenzidine	2.38	0.760	mg/kg dry	2.660	ND	90	40-140	21	30	
3+4-Methylphenol	3.78	0.760	mg/kg dry	5.320	ND	71	30-130	45	30	
3-Nitroaniline	2.28	0.380	mg/kg dry	2.660	ND	86	40-140	27	30	
4,6-Dinitro-2-Methylphenol	1.03	1.90	mg/kg dry	2.660	ND	39	30-130	3	30	
4-Bromophenyl-phenylether	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	34	30	
4-Chloro-3-Methylphenol	2.32	0.380	mg/kg dry	2.660	ND	87	30-130	28	30	
4-Chloroaniline	1.48	0.760	mg/kg dry	2.660	ND	56	40-140	24	30	
4-Chloro-phenyl-phenyl ether	1.97	0.380	mg/kg dry	2.660	ND	74	40-140	7	30	
4-Nitroaniline	3.48	0.380	mg/kg dry	2.660	ND	131	40-140	65	30	
4-Nitrophenol	2.57	1.90	mg/kg dry	2.660	ND	96	30-130	168	30	
Acenaphthene	2.21	0.380	mg/kg dry	2.660	0.112	79	40-140	27	30	
Acenaphthylene	1.95	0.380	mg/kg dry	2.660	0.0864	70	40-140	28	30	
Acetophenone	1.98	0.760	mg/kg dry	2.660	ND	74	40-140	34	30	
Aniline	0.926	1.90	mg/kg dry	2.660	ND	35	40-140	3	30	M-
Anthracene	2.94	0.380	mg/kg dry	2.660	0.126	106	40-140	44	30	
Azobenzene	2.39	0.380	mg/kg dry	2.660	ND	90	40-140	43	30	
Benzo(a)anthracene	3.58	0.380	mg/kg dry	2.660	0.497	116	40-140	46	30	
Benzo(a)pyrene	2.99	0.190	mg/kg dry	2.660	0.469	95	40-140	40	30	
Benzo(b)fluoranthene	3.10	0.380	mg/kg dry	2.660	0.403	101	40-140	26	30	
Benzo(g,h,i)perylene	1.92	0.380	mg/kg dry	2.660	0.322	60	40-140	3	30	
Benzo(k)fluoranthene	2.98	0.380	mg/kg dry	2.660	0.161	106	40-140	67	30	
Benzoic Acid	0.814	1.90	mg/kg dry	2.660	ND	31	40-140	200	30	M-
Benzyl Alcohol	2.09	0.380	mg/kg dry	2.660	ND	78	40-140	38	30	
bis(2-Chloroethoxy)methane	2.01	0.380	mg/kg dry	2.660	ND	76	40-140	44	30	
bis(2-Chloroethyl)ether	1.78	0.380	mg/kg dry	2.660	ND	67	40-140	13	30	
bis(2-chloroisopropyl)Ether	1.70	0.380	mg/kg dry	2.660	ND	64	40-140	29	30	
bis(2-Ethylhexyl)phthalate	2.88	0.380	mg/kg dry	2.660	0.0376	107	40-140	40	30	
Butylbenzylphthalate	2.65	0.380	mg/kg dry	2.660	ND	100	40-140	37	30	
Carbazole	2.95	0.380	mg/kg dry	2.660	ND	111	40-140	40	30	
Chrysene	3.62	0.190	mg/kg dry	2.660	0.516	117	40-140	53	30	
Dibenzo(a,h)Anthracene	1.85	0.190	mg/kg dry	2.660	0.107	65	40-140	2	30	
Dibenzofuran	1.92	0.380	mg/kg dry	2.660	0.0988	68	40-140	4	30	
Diethylphthalate	2.17	0.380	mg/kg dry	2.660	ND	82	40-140	26	30	
Dimethylphthalate	1.85	0.380	mg/kg dry	2.660	ND	69	40-140	14	30	
Di-n-butylphthalate	2.50	0.380	mg/kg dry	2.660	ND	94	40-140	32	30	
Di-n-octylphthalate	3.15	0.380	mg/kg dry	2.660	ND	119	40-140	60	30	
Fluoranthene	4.62	0.380	mg/kg dry	2.660	0.944	138	40-140	57	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82115 - 3541										
Fluorene	2.33	0.380	mg/kg dry	2.660	0.112	84	40-140	27	30	
Hexachlorobenzene	2.22	0.190	mg/kg dry	2.660	ND	84	40-140	17	30	
Hexachlorobutadiene	1.83	0.380	mg/kg dry	2.660	ND	69	40-140	28	30	
Hexachlorocyclopentadiene	0.866	1.90	mg/kg dry	2.660	ND	33	40-140	71	30	M-
Hexachloroethane	1.73	0.380	mg/kg dry	2.660	ND	65	40-140	36	30	
Indeno(1,2,3-cd)Pyrene	2.07	0.380	mg/kg dry	2.660	0.303	66	40-140	4	30	
Isophorone	1.95	0.380	mg/kg dry	2.660	ND	73	40-140	38	30	
Naphthalene	1.93	0.380	mg/kg dry	2.660	0.0543	70	40-140	35	30	
Nitrobenzene	1.99	0.380	mg/kg dry	2.660	ND	75	40-140	38	30	
N-Nitrosodimethylamine	2.12	0.380	mg/kg dry	2.660	ND	80	40-140	53	30	
N-Nitroso-Di-n-Propylamine	2.15	0.380	mg/kg dry	2.660	ND	81	40-140	54	30	
N-nitrosodiphenylamine	3.09	0.380	mg/kg dry	2.660	ND	116	40-140	24	30	
Pentachlorophenol	1.96	1.90	mg/kg dry	2.660	ND	74	30-130	14	30	
Phenanthrene	4.40	0.380	mg/kg dry	2.660	0.669	140	40-140	64	30	
Phenol	1.50	0.380	mg/kg dry	2.660	ND	56	30-130	8	30	
Pyrene	3.93	0.380	mg/kg dry	2.660	0.836	116	40-140	57	30	
Pyridine	1.58	1.90	mg/kg dry	2.660	ND	59	40-140	55	30	
Surrogate: 1,2-Dichlorobenzene-d4	*0.879*		mg/kg dry	*3.800*		*23*	*30-130*			*S-*
Surrogate: 2,4,6-Tribromophenol	*3.66*		mg/kg dry	*5.700*		*64*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.12*		mg/kg dry	*5.700*		*37*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.24*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: 2-Fluorophenol	*1.94*		mg/kg dry	*5.700*		*34*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.27*		mg/kg dry	*3.800*		*33*	*30-130*			
Surrogate: Phenol-d6	*2.21*		mg/kg dry	*5.700*		*39*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.85*		mg/kg dry	*3.800*		*75*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

Notes and Definitions

U	Analyte included in the analysis, but not detected
S-	Surrogate recovery(ies) below lower control limit.
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
DM	Majority of compounds are outside crtieria for RPD due to matrix interferences.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801234

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required # *
State where samples were collected from: MA (RI) CT NH NJ NY ME Other ___
Is this project for any of the following: MA-MCP (Navy) USACE Other ___

Reporting Limits: see note below
ESS LAB PROJECT ID: 0801234
Electronic Deliverable: ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ___ Other ___

Co. Name	Project #	Project Name (20 Char. or less)
TK+K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 664-0086		lawrence.kahrs@TK+K.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	624 / 8260 VOA	524.2 / 8021 MTBE/BTEX	VPH w/targets / 8015 GRO	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs	608 PCB / 608 Pesticides / 8081 Pesticides	608 Pesticides / 8082 PCB	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)	Flashpoint				
/	*1/17/08	1530		X	WW	OFFTA-WC-OW	1	1	G						✓			✓			✓				
01	1/17/08	1630		X	S	OFFTA-~~WC~~ BF	1/6	3	G			✓	✓												
02	1/17/08	1630		X	S	OFFTA-TS	1/6	3	G			✓	✓												
/	*1/18/08	1430		X	WW	OFFTA-WC-OW	2	2	G	✓															
03	1/18/08	1415	X		S	OFFTA-WC02	1/6	5	G	✓			✓		✓		✓	✓							
04	↓	1400	X		S	OFFTA-A-B5	1						✓												
05		↓	X		S	OFFTA-A-B8	1						✓												
06	↓	↓	X		S	OFFTA-WC01	1						✓												
						OFFTA-BF	ASTM D522 (sieve) D698 (standard proctor)																		
	* 2-day TA per telephone discussion w/ Liz Ouk 1/18/08																								

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___

Sampled by: L. Kahrs

Comments: Includes geotech sample in 5-gallon bucket

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 1600	[signature]	1-18 4:05	[signature]	1/18/08 4:05	[signature]	1/18/08 4:05
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/18/08 17:00	[signature]	1-18-08 1700				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801267

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 30, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 23, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801267-01	Soil	OFFTA-WC03
0801267-02	Soil	OFFTA-A-B15
0801267-03	Soil	OFFTA-A-S6

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82517-SRM2 **Standard Reference Material is biased low.**
Silver

5035/8260B Volatile Organic Compounds / Methanol

BA82410-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82410-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

8015M Diesel Range Organics

0801267-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

0801267-03 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

BA82324-MS1 **Majority of matrix spike compounds are outside of criteria due to matrix interferences.**

BA82324-MS1 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

BA82324-MSD1 **Majority of matrix spike compounds are outside of criteria due to matrix interferences.**

BA82324-MSD1 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82325-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82325-BSD1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Aniline, Benzoic Acid, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-chloroisopropyl)Ether, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitrosodimethylamine, Pyridine

BA82325-BSD1 **Relative percent difference for duplicate is outside of criteria.**
1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Benzoic Acid, bis(2-Chloroethyl)ether, Hexachloroethane, N-Nitrosodimethylamine, Pyridine

BRA0208-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.0	6010B	7	1	JP	01/25/08	1.84	100
Barium	**47.8**	mg/kg dry	3.0	6010B	5500	1	JP	01/25/08	1.84	100
Cadmium	ND	mg/kg dry	0.61	6010B	39	1	JP	01/25/08	1.84	100
Chromium	**13.6**	mg/kg dry	1.2	6010B	1400	1	JP	01/25/08	1.84	100
Lead	**371**	mg/kg dry	6.0	6010B	150	1	JP	01/25/08	1.84	100
Mercury	**0.189**	mg/kg dry	0.037	7471A	23	1	KAB	01/24/08	0.6	40
Selenium	ND	mg/kg dry	6.0	6010B	390	1	KAB	01/26/08	1.84	100
Silver	**0.86**	mg/kg dry	0.61	6010B	200	1	JP	01/25/08	1.84	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.108	0.0356	2.2	1	01/24/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0540	0.0140	540	1	01/24/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0540	0.0162	1.3	1	01/24/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0540	0.0173	3.6	1	01/24/08
1,1-Dichloroethane		ND	mg/kg dry	0.0540	0.0151	920	1	01/24/08
1,1-Dichloroethene		ND	mg/kg dry	0.0540	0.0130	0.2	1	01/24/08
1,1-Dichloropropene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0540	0.0119	96	1	01/24/08
1,2,4-Trimethylbenzene	J	**0.0281**	mg/kg dry	0.0540	0.0130		1	01/24/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.324	0.108	0.5	1	01/24/08
1,2-Dibromoethane		ND	mg/kg dry	0.0540	0.0119	0.01	1	01/24/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0119	510	1	01/24/08
1,2-Dichloroethane		ND	mg/kg dry	0.0540	0.0119	0.9	1	01/24/08
1,2-Dichloropropane		ND	mg/kg dry	0.0540	0.0151	1.9	1	01/24/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0130	430	1	01/24/08
1,3-Dichloropropane		ND	mg/kg dry	0.0540	0.0108		1	01/24/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0540	0.0140	27	1	01/24/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.40	2.70		1	01/24/08
1-Chlorohexane		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
2,2-Dichloropropane		ND	mg/kg dry	0.108	0.0270		1	01/24/08
2-Butanone		ND	mg/kg dry	1.35	0.270	10000	1	01/24/08
2-Chlorotoluene		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
2-Hexanone		ND	mg/kg dry	0.540	0.0756		1	01/24/08
4-Chlorotoluene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
4-Isopropyltoluene		ND	mg/kg dry	0.0540	0.0140		1	01/24/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.540	0.0756	1200	1	01/24/08
Acetone		ND	mg/kg dry	1.35	0.432	7800	1	01/24/08
Benzene		**0.0896**	mg/kg dry	0.0540	0.0162	2.5	1	01/24/08
Bromobenzene		ND	mg/kg dry	0.0540	0.0119		1	01/24/08
Bromochloromethane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Bromodichloromethane		ND	mg/kg dry	0.0540	0.0151	10	1	01/24/08
Bromoform		ND	mg/kg dry	0.0540	0.0173	81	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.108	0.0270	0.8	1	01/24/08
Carbon Disulfide		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Carbon Tetrachloride		ND	mg/kg dry	0.0540	0.0151	1.5	1	01/24/08
Chlorobenzene		ND	mg/kg dry	0.0540	0.0119	210	1	01/24/08
Chloroethane		ND	mg/kg dry	0.108	0.0356		1	01/24/08
Chloroform		ND	mg/kg dry	0.0540	0.0130	1.2	1	01/24/08
Chloromethane		ND	mg/kg dry	0.108	0.0173		1	01/24/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0540	0.0162	630	1	01/24/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0540	0.0119		1	01/24/08
Dibromochloromethane		ND	mg/kg dry	0.0540	0.0108	7.6	1	01/24/08
Dibromomethane		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Diethyl Ether		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Di-isopropyl ether		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0540	0.0108		1	01/24/08
Ethylbenzene	J	**0.0324**	mg/kg dry	0.0540	0.0130	71	1	01/24/08
Hexachlorobutadiene		ND	mg/kg dry	0.0540	0.0173	8.2	1	01/24/08
Isopropylbenzene		ND	mg/kg dry	0.0540	0.0119	27	1	01/24/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0540	0.0130	390	1	01/24/08
Methylene Chloride		ND	mg/kg dry	0.270	0.0216	45	1	01/24/08
Naphthalene		**0.549**	mg/kg dry	0.0540	0.0162	54	1	01/24/08
n-Butylbenzene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
n-Propylbenzene	J	**0.0227**	mg/kg dry	0.0540	0.0140		1	01/24/08
sec-Butylbenzene	J	**0.0454**	mg/kg dry	0.0540	0.0140		1	01/24/08
Styrene		ND	mg/kg dry	0.0540	0.0140	13	1	01/24/08
tert-Butylbenzene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0540	0.0162		1	01/24/08
Tetrachloroethene		ND	mg/kg dry	0.0540	0.0173	12	1	01/24/08
Tetrahydrofuran		ND	mg/kg dry	0.540	0.140		1	01/24/08
Toluene		**0.0680**	mg/kg dry	0.0540	0.0151	190	1	01/24/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0540	0.0173	1100	1	01/24/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0540	0.0130		1	01/24/08
Trichloroethene		ND	mg/kg dry	0.0540	0.0130	13	1	01/24/08
Trichlorofluoromethane		ND	mg/kg dry	0.0540	0.0151		1	01/24/08
Vinyl Acetate		ND	mg/kg dry	0.270	0.0216		1	01/24/08
Vinyl Chloride		ND	mg/kg dry	0.0540	0.0130	0.02	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 17.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O		ND	mg/kg dry	0.0540	0.0108	110	1	01/24/08
Xylene P,M	J	**0.0529**	mg/kg dry	0.108	0.0270	110	1	01/24/08
Xylenes (Total)		ND	mg/kg dry	0.162		110	1	01/24/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*89 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*89 %*		*70-130*
Surrogate: Dibromofluoromethane	*97 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**681**	mg/kg dry	41.1		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*110 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 19.9
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/24/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1221	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1232	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1242	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1248	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1254	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1260	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1262	ND	mg/kg dry	0.0558	10	1	01/25/08
Aroclor 1268	ND	mg/kg dry	0.0558	10	1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*87 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*93 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*70 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*77 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.388	0.8	1	01/24/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.388	96	1	01/24/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.388	510	1	01/24/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.388	430	1	01/24/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.388	27	1	01/24/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.95		1	01/24/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.388	330	1	01/24/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.388	58	1	01/24/08
2,4-Dichlorophenol	ND	mg/kg dry	0.388	30	1	01/24/08
2,4-Dimethylphenol	ND	mg/kg dry	0.388	1400	1	01/24/08
2,4-Dinitrophenol	ND	mg/kg dry	1.95	160	1	01/24/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.388	0.9	1	01/24/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.388		1	01/24/08
2-Chloronaphthalene	ND	mg/kg dry	0.388		1	01/24/08
2-Chlorophenol	ND	mg/kg dry	0.388	50	1	01/24/08
2-Methylnaphthalene	ND	mg/kg dry	0.388	123	1	01/24/08
2-Methylphenol	ND	mg/kg dry	0.388		1	01/24/08
2-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
2-Nitrophenol	ND	mg/kg dry	0.388		1	01/24/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.777	1.4	1	01/24/08
3+4-Methylphenol	ND	mg/kg dry	0.777		1	01/24/08
3-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.95		1	01/24/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.388		1	01/24/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.388		1	01/24/08
4-Chloroaniline	ND	mg/kg dry	0.777	310	1	01/24/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.388		1	01/24/08
4-Nitroaniline	ND	mg/kg dry	0.388		1	01/24/08
4-Nitrophenol	ND	mg/kg dry	1.95		1	01/24/08
Acenaphthene	**0.608**	mg/kg dry	0.388	43	1	01/24/08
Acenaphthylene	ND	mg/kg dry	0.388	23	1	01/24/08
Acetophenone	ND	mg/kg dry	0.777		1	01/24/08
Aniline	ND	mg/kg dry	1.95		1	01/24/08
Anthracene	**1.02**	mg/kg dry	0.388	35	1	01/24/08
Azobenzene	ND	mg/kg dry	0.388		1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.87**	mg/kg dry	0.388	0.9	1	01/24/08
Benzo(a)pyrene	**1.56**	mg/kg dry	0.195	0.4	1	01/24/08
Benzo(b)fluoranthene	**1.53**	mg/kg dry	0.388	0.9	1	01/24/08
Benzo(g,h,i)perylene	**0.631**	mg/kg dry	0.388	0.8	1	01/24/08
Benzo(k)fluoranthene	**1.04**	mg/kg dry	0.388	0.9	1	01/24/08
Benzoic Acid	ND	mg/kg dry	1.95		1	01/24/08
Benzyl Alcohol	ND	mg/kg dry	0.388		1	01/24/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.388		1	01/24/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.388	0.6	1	01/24/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.388	9.1	1	01/24/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.388	46	1	01/24/08
Butylbenzylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Carbazole	ND	mg/kg dry	0.388		1	01/24/08
Chrysene	**1.80**	mg/kg dry	0.195	0.4	1	01/24/08
Dibenzo(a,h)Anthracene	**0.344**	mg/kg dry	0.195	0.4	1	01/24/08
Dibenzofuran	**0.545**	mg/kg dry	0.388		1	01/24/08
Diethylphthalate	ND	mg/kg dry	0.388	340	1	01/24/08
Dimethylphthalate	ND	mg/kg dry	0.388	1900	1	01/24/08
Di-n-butylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Di-n-octylphthalate	ND	mg/kg dry	0.388		1	01/24/08
Fluoranthene	**4.25**	mg/kg dry	0.388	20	1	01/24/08
Fluorene	**0.613**	mg/kg dry	0.388	28	1	01/24/08
Hexachlorobenzene	ND	mg/kg dry	0.195	0.4	1	01/24/08
Hexachlorobutadiene	ND	mg/kg dry	0.388	8.2	1	01/24/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.95		1	01/24/08
Hexachloroethane	ND	mg/kg dry	0.388	46	1	01/24/08
Indeno(1,2,3-cd)Pyrene	**0.737**	mg/kg dry	0.388	0.9	1	01/24/08
Isophorone	ND	mg/kg dry	0.388		1	01/24/08
Naphthalene	**0.420**	mg/kg dry	0.388	54	1	01/24/08
Nitrobenzene	ND	mg/kg dry	0.388		1	01/24/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.388		1	01/24/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.388		1	01/24/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.388		1	01/24/08
Pentachlorophenol	ND	mg/kg dry	1.95	5.3	1	01/24/08
Phenanthrene	**3.87**	mg/kg dry	0.388	40	1	01/24/08
Phenol	ND	mg/kg dry	0.388	6000	1	01/24/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC03
Date Sampled: 01/18/08 15:00
Percent Solids: 90
Initial Volume: 14.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 01/23/08

8270C Semi-Volatile Organic Compounds

Pyrene	**3.29**	mg/kg dry	0.388	13	1	01/24/08
Pyridine	ND	mg/kg dry	1.95		1	01/24/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*61 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*77 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*56 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*67 %*		*30-130*
Surrogate: 2-Fluorophenol	*52 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*77 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-B15
Date Sampled: 01/22/08 15:30
Percent Solids: 84
Initial Volume: 19.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2450**	mg/kg dry	46.5		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*26 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-A-S6
Date Sampled: 01/22/08 15:30
Percent Solids: 84
Initial Volume: 19.8
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801267
ESS Laboratory Sample ID: 0801267-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/23/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1940**	mg/kg dry	45.1		1	01/24/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*30 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82420 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.217	0.033	mg/kg wet	0.2000		109	80-120			
LCS Dup										
Mercury	0.214	0.033	mg/kg wet	0.2000		107	80-120	2	20	
Reference										
Mercury	4.37	0.330	mg/kg wet	4.470		98	66-132.66			
Batch BA82517 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	30.4	3.3	mg/kg wet	33.33		91	80-120			
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120			
Cadmium	15.1	0.67	mg/kg wet	16.67		91	80-120			
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120			
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120			
Selenium	61.2	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		96	80-120			
LCS Dup										
Arsenic	31.0	3.3	mg/kg wet	33.33		93	80-120	2	20	
Barium	32.4	3.3	mg/kg wet	33.33		97	80-120	1	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	0.8	20	
Chromium	32.9	1.3	mg/kg wet	33.33		99	80-120	1	20	
Lead	33.0	6.7	mg/kg wet	33.33		99	80-120	0.5	20	
Selenium	62.3	6.7	mg/kg wet	66.67		93	80-120	2	20	
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120	0.8	20	
Reference										
Arsenic	80.2	5.0	mg/kg wet	88.80		90	80.86-119.37			
Barium	401	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	57.2	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	91.0	2.0	mg/kg wet	97.90		93	78.86-120.53			
Lead	87.4	10.0	mg/kg wet	88.90		98	81.78-118.11			
Selenium	160	10.0	mg/kg wet	155.0		103	77.42-122.58			
Silver	80.6	1.00	mg/kg wet	81.60		99	66.3-133.58			
Reference										
Barium	446	4.9	mg/kg wet	500.0		89	70-130			
Cadmium	424	1.00	mg/kg wet	500.0		85	70-130			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82517 - 3050B										
Chromium	465	2.0	mg/kg wet	500.0		93	70-130			
Lead	492	9.9	mg/kg wet	500.0		98	70-130			
Silver	339	1.00	mg/kg wet	500.0		68	70-130			R-
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.35*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	25.6		ug/L	25.00		102	70-130			
1,1,1-Trichloroethane	26.0		ug/L	25.00		104	70-130			
1,1,2,2-Tetrachloroethane	25.5		ug/L	25.00		102	70-130			
1,1,2-Trichloroethane	25.5		ug/L	25.00		102	70-130			
1,1-Dichloroethane	26.1		ug/L	25.00		104	70-130			
1,1-Dichloroethene	28.3		ug/L	25.00		113	70-130			
1,1-Dichloropropene	26.2		ug/L	25.00		105	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
1,2,3-Trichlorobenzene	26.7		ug/L	25.00		107	70-130			
1,2,3-Trichloropropane	26.4		ug/L	25.00		106	70-130			
1,2,4-Trichlorobenzene	26.5		ug/L	25.00		106	70-130			
1,2,4-Trimethylbenzene	26.4		ug/L	25.00		106	70-130			
1,2-Dibromo-3-Chloropropane	25.9		ug/L	25.00		104	70-130			
1,2-Dibromoethane	25.6		ug/L	25.00		103	70-130			
1,2-Dichlorobenzene	25.8		ug/L	25.00		103	70-130			
1,2-Dichloroethane	26.2		ug/L	25.00		105	70-130			
1,2-Dichloropropane	26.2		ug/L	25.00		105	70-130			
1,3,5-Trimethylbenzene	25.7		ug/L	25.00		103	70-130			
1,3-Dichlorobenzene	26.1		ug/L	25.00		104	70-130			
1,3-Dichloropropane	26.2		ug/L	25.00		105	70-130			
1,4-Dichlorobenzene	25.5		ug/L	25.00		102	70-130			
1,4-Dioxane - Screen	896		ug/L	500.0		179	44-241			
1-Chlorohexane	25.7		ug/L	25.00		103	70-130			
2,2-Dichloropropane	25.1		ug/L	25.00		101	70-130			
2-Butanone	163		ug/L	125.0		131	70-130			B+
2-Chlorotoluene	27.4		ug/L	25.00		110	70-130			
2-Hexanone	148		ug/L	125.0		118	70-130			
4-Chlorotoluene	25.6		ug/L	25.00		102	70-130			
4-Isopropyltoluene	25.1		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	138		ug/L	125.0		111	70-130			
Acetone	191		ug/L	125.0		153	70-130			B+
Benzene	25.7		ug/L	25.00		103	70-130			
Bromobenzene	25.9		ug/L	25.00		103	70-130			
Bromochloromethane	24.9		ug/L	25.00		100	70-130			
Bromodichloromethane	28.3		ug/L	25.00		113	70-130			
Bromoform	26.2		ug/L	25.00		105	70-130			
Bromomethane	30.1		ug/L	25.00		120	70-130			
Carbon Disulfide	28.8		ug/L	25.00		115	70-130			
Carbon Tetrachloride	26.2		ug/L	25.00		105	70-130			
Chlorobenzene	25.6		ug/L	25.00		103	70-130			
Chloroethane	26.2		ug/L	25.00		105	70-130			
Chloroform	25.7		ug/L	25.00		103	70-130			
Chloromethane	23.2		ug/L	25.00		93	70-130			
cis-1,2-Dichloroethene	28.7		ug/L	25.00		115	70-130			
cis-1,3-Dichloropropene	26.2		ug/L	25.00		105	70-130			
Dibromochloromethane	27.2		ug/L	25.00		109	70-130			
Dibromomethane	25.3		ug/L	25.00		101	70-130			
Dichlorodifluoromethane	21.7		ug/L	25.00		87	70-130			
Diethyl Ether	28.3		ug/L	25.00		113	70-130			
Di-isopropyl ether	27.3		ug/L	25.00		109	70-130			
Ethyl tertiary-butyl ether	26.5		ug/L	25.00		106	70-130			
Ethylbenzene	25.5		ug/L	25.00		102	70-130			
Hexachlorobutadiene	27.1		ug/L	25.00		109	70-130			
Isopropylbenzene	23.2		ug/L	25.00		93	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Methyl tert-Butyl Ether	26.9		ug/L	25.00		108	70-130			
Methylene Chloride	27.3		ug/L	25.00		109	70-130			
Naphthalene	24.3		ug/L	25.00		97	70-130			
n-Butylbenzene	27.1		ug/L	25.00		108	70-130			
n-Propylbenzene	25.2		ug/L	25.00		101	70-130			
sec-Butylbenzene	26.2		ug/L	25.00		105	70-130			
Styrene	26.2		ug/L	25.00		105	70-130			
tert-Butylbenzene	27.1		ug/L	25.00		108	70-130			
Tertiary-amyl methyl ether	27.2		ug/L	25.00		109	70-130			
Tetrachloroethene	24.0		ug/L	25.00		96	70-130			
Tetrahydrofuran	27.6		ug/L	25.00		110	70-130			
Toluene	25.7		ug/L	25.00		103	70-130			
trans-1,2-Dichloroethene	28.1		ug/L	25.00		112	70-130			
trans-1,3-Dichloropropene	23.9		ug/L	25.00		96	70-130			
Trichloroethene	25.8		ug/L	25.00		103	70-130			
Vinyl Acetate	25.9		ug/L	25.00		104	70-130			
Vinyl Chloride	31.5		ug/L	25.00		126	70-130			
Xylene O	25.7		ug/L	25.00		103	70-130			
Xylene P,M	51.3		ug/L	50.00		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*2.36*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	25.4		ug/L	25.00		102	70-130	0.4	20	
1,1,1-Trichloroethane	25.9		ug/L	25.00		104	70-130	0.4	20	
1,1,2,2-Tetrachloroethane	25.6		ug/L	25.00		103	70-130	0.6	20	
1,1,2-Trichloroethane	25.8		ug/L	25.00		103	70-130	0.8	20	
1,1-Dichloroethane	26.1		ug/L	25.00		105	70-130	0.04	20	
1,1-Dichloroethene	27.8		ug/L	25.00		111	70-130	2	20	
1,1-Dichloropropene	26.0		ug/L	25.00		104	70-130	0.6	20	
1,2,3-Trichlorobenzene	27.0		ug/L	25.00		108	70-130	1	20	
1,2,3-Trichloropropane	26.7		ug/L	25.00		107	70-130	0.9	20	
1,2,4-Trichlorobenzene	26.5		ug/L	25.00		106	70-130	0.1	20	
1,2,4-Trimethylbenzene	26.4		ug/L	25.00		105	70-130	0.1	20	
1,2-Dibromo-3-Chloropropane	25.8		ug/L	25.00		103	70-130	0.2	20	
1,2-Dibromoethane	25.9		ug/L	25.00		104	70-130	1	20	
1,2-Dichlorobenzene	25.9		ug/L	25.00		104	70-130	0.3	20	
1,2-Dichloroethane	26.3		ug/L	25.00		105	70-130	0.7	20	
1,2-Dichloropropane	26.0		ug/L	25.00		104	70-130	1	20	
1,3,5-Trimethylbenzene	25.6		ug/L	25.00		103	70-130	0.3	20	
1,3-Dichlorobenzene	25.7		ug/L	25.00		103	70-130	2	20	
1,3-Dichloropropane	26.3		ug/L	25.00		105	70-130	0.2	20	
1,4-Dichlorobenzene	25.3		ug/L	25.00		101	70-130	0.6	20	
1,4-Dioxane - Screen	1040		ug/L	500.0		207	44-241	14	200	
1-Chlorohexane	25.3		ug/L	25.00		101	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
2,2-Dichloropropane	25.0		ug/L	25.00		100	70-130	0.6	20	
2-Butanone	164		ug/L	125.0		131	70-130	0.4	20	B+
2-Chlorotoluene	24.4		ug/L	25.00		97	70-130	12	20	
2-Hexanone	149		ug/L	125.0		120	70-130	1	20	
4-Chlorotoluene	25.6		ug/L	25.00		102	70-130	0.04	20	
4-Isopropyltoluene	24.8		ug/L	25.00		99	70-130	1	20	
4-Methyl-2-Pentanone	142		ug/L	125.0		113	70-130	3	20	
Acetone	182		ug/L	125.0		146	70-130	5	20	B+
Benzene	25.5		ug/L	25.00		102	70-130	0.9	20	
Bromobenzene	25.7		ug/L	25.00		103	70-130	0.7	20	
Bromochloromethane	25.0		ug/L	25.00		100	70-130	0.3	20	
Bromodichloromethane	28.0		ug/L	25.00		112	70-130	1	20	
Bromoform	26.5		ug/L	25.00		106	70-130	1	20	
Bromomethane	29.4		ug/L	25.00		118	70-130	2	20	
Carbon Disulfide	28.6		ug/L	25.00		114	70-130	0.8	20	
Carbon Tetrachloride	26.1		ug/L	25.00		104	70-130	0.3	20	
Chlorobenzene	25.6		ug/L	25.00		103	70-130	0	20	
Chloroethane	25.7		ug/L	25.00		103	70-130	2	20	
Chloroform	25.8		ug/L	25.00		103	70-130	0.2	20	
Chloromethane	23.0		ug/L	25.00		92	70-130	1	20	
cis-1,2-Dichloroethene	28.4		ug/L	25.00		114	70-130	0.8	20	
cis-1,3-Dichloropropene	26.1		ug/L	25.00		104	70-130	0.7	20	
Dibromochloromethane	27.3		ug/L	25.00		109	70-130	0.6	20	
Dibromomethane	25.7		ug/L	25.00		103	70-130	1	20	
Dichlorodifluoromethane	21.3		ug/L	25.00		85	70-130	2	20	
Diethyl Ether	28.6		ug/L	25.00		114	70-130	0.8	20	
Di-isopropyl ether	27.3		ug/L	25.00		109	70-130	0.1	20	
Ethyl tertiary-butyl ether	26.6		ug/L	25.00		106	70-130	0.3	20	
Ethylbenzene	25.5		ug/L	25.00		102	70-130	0.2	20	
Hexachlorobutadiene	27.2		ug/L	25.00		109	70-130	0.1	20	
Isopropylbenzene	23.0		ug/L	25.00		92	70-130	0.6	20	
Methyl tert-Butyl Ether	27.4		ug/L	25.00		110	70-130	2	20	
Methylene Chloride	27.0		ug/L	25.00		108	70-130	1	20	
Naphthalene	24.9		ug/L	25.00		100	70-130	2	20	
n-Butylbenzene	26.9		ug/L	25.00		108	70-130	0.7	20	
n-Propylbenzene	27.2		ug/L	25.00		109	70-130	8	20	
sec-Butylbenzene	26.0		ug/L	25.00		104	70-130	0.9	20	
Styrene	26.2		ug/L	25.00		105	70-130	0	20	
tert-Butylbenzene	27.1		ug/L	25.00		108	70-130	0.1	20	
Tertiary-amyl methyl ether	27.1		ug/L	25.00		109	70-130	0.4	20	
Tetrachloroethene	23.5		ug/L	25.00		94	70-130	2	20	
Tetrahydrofuran	26.8		ug/L	25.00		107	70-130	3	20	
Toluene	25.7		ug/L	25.00		103	70-130	0.08	20	
trans-1,2-Dichloroethene	27.9		ug/L	25.00		112	70-130	0.7	20	
trans-1,3-Dichloropropene	24.2		ug/L	25.00		97	70-130	1	20	
Trichloroethene	25.8		ug/L	25.00		103	70-130	0.04	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82410 - 5035										
Vinyl Acetate	26.1		ug/L	25.00		104	70-130	0.7	20	
Vinyl Chloride	31.3		ug/L	25.00		125	70-130	0.7	20	
Xylene O	25.8		ug/L	25.00		103	70-130	0.3	20	
Xylene P,M	51.5		ug/L	50.00		103	70-130	0.4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Dibromofluoromethane	*2.50*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.48*		mg/kg wet	*2.500*		*99*	*70-130*			
8015M Diesel Range Organics										
Batch BA82324 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.34*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	1.84	0.26	mg/kg wet	2.500		73	40-140			
Docosane (C22)	2.45	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.09	0.26	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Hexadecane (C16)	2.33	0.26	mg/kg wet	2.500		93	40-140			
Nonadecane (C19)	2.52	0.26	mg/kg wet	2.500		101	40-140			
Octacosane (C28)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.40	0.26	mg/kg wet	2.500		96	40-140			
Tetracosane (C24)	2.58	0.26	mg/kg wet	2.500		103	40-140			
Tetradecane (C14)	2.22	0.26	mg/kg wet	2.500		89	40-140			
Surrogate: O-Terphenyl	*4.39*		mg/kg wet	*5.000*		*88*	*40-140*			
LCS Dup										
Decane (C10)	1.92	0.26	mg/kg wet	2.500		77	40-140	5	50	
Docosane (C22)	2.46	0.26	mg/kg wet	2.500		98	40-140	0.3	50	
Dodecane (C12)	2.19	0.26	mg/kg wet	2.500		88	40-140	5	50	
Eicosane (C20)	2.46	0.26	mg/kg wet	2.500		98	40-140	1	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82324 - 3541										
Hexacosane (C26)	2.42	0.26	mg/kg wet	2.500		97	40-140	0.5	50	
Hexadecane (C16)	2.35	0.26	mg/kg wet	2.500		94	40-140	1	50	
Nonadecane (C19)	2.53	0.26	mg/kg wet	2.500		101	40-140	0.4	50	
Octacosane (C28)	2.45	0.26	mg/kg wet	2.500		98	40-140	0.3	50	
Octadecane (C18)	2.44	0.26	mg/kg wet	2.500		98	40-140	2	50	
Tetracosane (C24)	2.50	0.26	mg/kg wet	2.500		100	40-140	3	50	
Tetradecane (C14)	2.29	0.26	mg/kg wet	2.500		92	40-140	3	50	
Surrogate: O-Terphenyl	*4.21*		mg/kg wet	*5.000*		*84*	*40-140*			
Matrix Spike **Source: 0801267-03**										**MM**
Decane (C10)	2.41	0.31	mg/kg dry	3.022	ND	80	40-140			
Docosane (C22)	1.60	0.31	mg/kg dry	3.022	1.79	NR	40-140			
Dodecane (C12)	6.46	0.31	mg/kg dry	3.022	1.93	150	40-140			
Eicosane (C20)	0.336	0.31	mg/kg dry	3.022	0.410	NR	40-140			
Hexacosane (C26)	1.26	0.31	mg/kg dry	3.022	1.62	NR	40-140			
Hexadecane (C16)	1.90	0.31	mg/kg dry	3.022	1.37	18	40-140			
Nonadecane (C19)	6.00	0.31	mg/kg dry	3.022	5.49	17	40-140			
Octacosane (C28)	1.72	0.31	mg/kg dry	3.022	1.60	4	40-140			
Octadecane (C18)	12.8	0.31	mg/kg dry	3.022	14.5	NR	40-140			
Tetracosane (C24)	2.53	0.31	mg/kg dry	3.022	3.42	NR	40-140			
Tetradecane (C14)	4.51	0.31	mg/kg dry	3.022	3.93	19	40-140			
Surrogate: O-Terphenyl	*2.00*		mg/kg dry	*6.043*		*33*	*40-140*			*SM*
Matrix Spike Dup **Source: 0801267-03**										**MM**
Decane (C10)	1.85	0.29	mg/kg dry	2.890	ND	64	40-140	26	50	
Docosane (C22)	1.92	0.29	mg/kg dry	2.890	1.79	5	40-140	18	50	
Dodecane (C12)	4.11	0.29	mg/kg dry	2.890	1.93	75	40-140	45	50	
Eicosane (C20)	0.465	0.29	mg/kg dry	2.890	0.410	2	40-140	32	50	
Hexacosane (C26)	1.77	0.29	mg/kg dry	2.890	1.62	5	40-140	33	50	
Hexadecane (C16)	1.46	0.29	mg/kg dry	2.890	1.37	3	40-140	27	50	
Nonadecane (C19)	5.48	0.29	mg/kg dry	2.890	5.49	NR	40-140	9	50	
Octacosane (C28)	2.34	0.29	mg/kg dry	2.890	1.60	26	40-140	31	50	
Octadecane (C18)	9.12	0.29	mg/kg dry	2.890	14.5	NR	40-140	34	50	
Tetracosane (C24)	3.71	0.29	mg/kg dry	2.890	3.42	10	40-140	38	50	
Tetradecane (C14)	3.73	0.29	mg/kg dry	2.890	3.93	NR	40-140	19	50	
Surrogate: O-Terphenyl	*1.83*		mg/kg dry	*5.779*		*32*	*40-140*			*SM*
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82412 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82412 - 3541										
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0240*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0247*		mg/kg wet	*0.02500*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0238*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0259*		mg/kg wet	*0.02500*		*104*	*30-150*			
LCS										
Aroclor 1016	0.556	0.0500	mg/kg wet	0.5000		111	40-140			
Aroclor 1260	0.536	0.0500	mg/kg wet	0.5000		107	40-140			
Surrogate: Decachlorobiphenyl	*0.0254*		mg/kg wet	*0.02500*		*102*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0253*		mg/kg wet	*0.02500*		*101*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0254*		mg/kg wet	*0.02500*		*102*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0258*		mg/kg wet	*0.02500*		*103*	*30-150*			
LCS Dup										
Aroclor 1016	0.537	0.0500	mg/kg wet	0.5000		107	40-140	4	50	
Aroclor 1260	0.519	0.0500	mg/kg wet	0.5000		104	40-140	3	50	
Surrogate: Decachlorobiphenyl	*0.0244*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0241*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.14*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.14*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.47*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: 2-Fluorophenol	*2.15*		mg/kg wet	*3.750*		*57*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.47*		mg/kg wet	*2.500*		*59*	*30-130*			
Surrogate: Phenol-d6	*2.91*		mg/kg wet	*3.750*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
LCS										
1,1-Biphenyl	0.916	0.250	mg/kg wet	2.500		37	40-140			B-
1,2,4-Trichlorobenzene	1.32	0.250	mg/kg wet	2.500		53	40-140			
1,2-Dichlorobenzene	1.27	0.250	mg/kg wet	2.500		51	40-140			
1,3-Dichlorobenzene	1.18	0.250	mg/kg wet	2.500		47	40-140			
1,4-Dichlorobenzene	1.21	0.250	mg/kg wet	2.500		49	40-140			
2,3,4,6-Tetrachlorophenol	2.15	1.25	mg/kg wet	2.500		86	30-130			
2,4,5-Trichlorophenol	1.99	0.250	mg/kg wet	2.500		80	30-130			
2,4,6-Trichlorophenol	1.86	0.250	mg/kg wet	2.500		75	30-130			
2,4-Dichlorophenol	1.65	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dimethylphenol	1.58	0.250	mg/kg wet	2.500		63	30-130			
2,4-Dinitrophenol	1.93	1.25	mg/kg wet	2.500		77	30-130			
2,4-Dinitrotoluene	2.14	0.250	mg/kg wet	2.500		86	40-140			
2,6-Dinitrotoluene	1.97	0.250	mg/kg wet	2.500		79	40-140			
2-Chloronaphthalene	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Chlorophenol	1.31	0.250	mg/kg wet	2.500		52	30-130			
2-Methylnaphthalene	1.53	0.250	mg/kg wet	2.500		61	40-140			
2-Methylphenol	1.58	0.250	mg/kg wet	2.500		63	30-130			
2-Nitroaniline	1.74	0.250	mg/kg wet	2.500		70	40-140			
2-Nitrophenol	1.41	0.250	mg/kg wet	2.500		57	30-130			
3,3'-Dichlorobenzidine	2.08	0.500	mg/kg wet	2.500		83	40-140			
3+4-Methylphenol	2.72	0.500	mg/kg wet	5.000		54	30-130			
3-Nitroaniline	2.11	0.250	mg/kg wet	2.500		84	40-140			
4,6-Dinitro-2-Methylphenol	2.23	1.25	mg/kg wet	2.500		89	30-130			
4-Bromophenyl-phenylether	1.85	0.250	mg/kg wet	2.500		74	40-140			
4-Chloro-3-Methylphenol	1.90	0.250	mg/kg wet	2.500		76	30-130			
4-Chloroaniline	1.39	0.500	mg/kg wet	2.500		56	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
4-Nitroaniline	2.10	0.250	mg/kg wet	2.500		84	40-140			
4-Nitrophenol	2.09	1.25	mg/kg wet	2.500		84	30-130			
Acenaphthene	1.79	0.250	mg/kg wet	2.500		72	40-140			
Acenaphthylene	1.76	0.250	mg/kg wet	2.500		70	40-140			
Acetophenone	1.48	0.500	mg/kg wet	2.500		59	40-140			
Aniline	1.15	1.25	mg/kg wet	2.500		46	40-140			
Anthracene	1.91	0.250	mg/kg wet	2.500		76	40-140			
Azobenzene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Benzo(a)anthracene	2.13	0.250	mg/kg wet	2.500		85	40-140			
Benzo(a)pyrene	1.96	0.125	mg/kg wet	2.500		79	40-140			
Benzo(b)fluoranthene	2.15	0.250	mg/kg wet	2.500		86	40-140			
Benzo(g,h,i)perylene	1.96	0.250	mg/kg wet	2.500		79	40-140			
Benzo(k)fluoranthene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Benzoic Acid	0.288	1.25	mg/kg wet	2.500		12	40-140			B-
Benzyl Alcohol	1.57	0.250	mg/kg wet	2.500		63	40-140			
bis(2-Chloroethoxy)methane	1.13	0.250	mg/kg wet	2.500		45	40-140			
bis(2-Chloroethyl)ether	1.25	0.250	mg/kg wet	2.500		50	40-140			
bis(2-chloroisopropyl)Ether	1.19	0.250	mg/kg wet	2.500		48	40-140			
bis(2-Ethylhexyl)phthalate	2.18	0.250	mg/kg wet	2.500		87	40-140			
Butylbenzylphthalate	2.13	0.250	mg/kg wet	2.500		85	40-140			
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140			
Chrysene	2.14	0.125	mg/kg wet	2.500		86	40-140			
Dibenzo(a,h)Anthracene	1.97	0.125	mg/kg wet	2.500		79	40-140			
Dibenzofuran	1.83	0.250	mg/kg wet	2.500		73	40-140			
Diethylphthalate	1.99	0.250	mg/kg wet	2.500		80	40-140			
Dimethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Di-n-butylphthalate	1.97	0.250	mg/kg wet	2.500		79	40-140			
Di-n-octylphthalate	1.94	0.250	mg/kg wet	2.500		77	40-140			
Fluoranthene	2.10	0.250	mg/kg wet	2.500		84	40-140			
Fluorene	1.79	0.250	mg/kg wet	2.500		72	40-140			
Hexachlorobenzene	1.80	0.125	mg/kg wet	2.500		72	40-140			
Hexachlorobutadiene	1.25	0.250	mg/kg wet	2.500		50	40-140			
Hexachlorocyclopentadiene	1.13	1.25	mg/kg wet	2.500		45	40-140			
Hexachloroethane	1.16	0.250	mg/kg wet	2.500		47	40-140			
Indeno(1,2,3-cd)Pyrene	1.95	0.250	mg/kg wet	2.500		78	40-140			
Isophorone	1.47	0.250	mg/kg wet	2.500		59	40-140			
Naphthalene	1.32	0.250	mg/kg wet	2.500		53	40-140			
Nitrobenzene	1.23	0.250	mg/kg wet	2.500		49	40-140			
N-Nitrosodimethylamine	1.11	0.250	mg/kg wet	2.500		45	40-140			
N-Nitroso-Di-n-Propylamine	1.12	0.250	mg/kg wet	2.500		45	40-140			
N-nitrosodiphenylamine	1.95	0.250	mg/kg wet	2.500		78	40-140			
Pentachlorophenol	2.48	1.25	mg/kg wet	2.500		99	30-130			
Phenanthrene	1.91	0.250	mg/kg wet	2.500		76	40-140			
Phenol	1.32	0.250	mg/kg wet	2.500		53	30-130			
Pyrene	2.03	0.250	mg/kg wet	2.500		81	40-140			
Pyridine	0.434	1.25	mg/kg wet	2.500		17	40-140			B-

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Surrogate: 1,2-Dichlorobenzene-d4	*1.22*		mg/kg wet	*2.500*		*49*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.83*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.86*		mg/kg wet	*3.750*		*49*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: 2-Fluorophenol	*1.77*		mg/kg wet	*3.750*		*47*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.33*		mg/kg wet	*2.500*		*53*	*30-130*			
Surrogate: Phenol-d6	*2.39*		mg/kg wet	*3.750*		*64*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.07*		mg/kg wet	*2.500*		*83*	*30-130*			
LCS Dup										
1,1-Biphenyl	0.780	0.250	mg/kg wet	2.500		31	40-140	16	30	B-
1,2,4-Trichlorobenzene	1.04	0.250	mg/kg wet	2.500		42	40-140	23	30	
1,2-Dichlorobenzene	0.857	0.250	mg/kg wet	2.500		34	40-140	39	30	B-, D+
1,3-Dichlorobenzene	0.804	0.250	mg/kg wet	2.500		32	40-140	38	30	B-, D+
1,4-Dichlorobenzene	0.842	0.250	mg/kg wet	2.500		34	40-140	36	30	B-, D+
2,3,4,6-Tetrachlorophenol	1.83	1.25	mg/kg wet	2.500		73	30-130	16	30	
2,4,5-Trichlorophenol	1.83	0.250	mg/kg wet	2.500		73	30-130	8	30	
2,4,6-Trichlorophenol	1.62	0.250	mg/kg wet	2.500		65	30-130	14	30	
2,4-Dichlorophenol	1.42	0.250	mg/kg wet	2.500		57	30-130	16	30	
2,4-Dimethylphenol	1.34	0.250	mg/kg wet	2.500		54	30-130	16	30	
2,4-Dinitrophenol	1.55	1.25	mg/kg wet	2.500		62	30-130	22	30	
2,4-Dinitrotoluene	1.85	0.250	mg/kg wet	2.500		74	40-140	15	30	
2,6-Dinitrotoluene	1.70	0.250	mg/kg wet	2.500		68	40-140	15	30	
2-Chloronaphthalene	1.28	0.250	mg/kg wet	2.500		51	40-140	16	30	
2-Chlorophenol	0.972	0.250	mg/kg wet	2.500		39	30-130	29	30	
2-Methylnaphthalene	1.27	0.250	mg/kg wet	2.500		51	40-140	18	30	
2-Methylphenol	1.28	0.250	mg/kg wet	2.500		51	30-130	21	30	
2-Nitroaniline	1.45	0.250	mg/kg wet	2.500		58	40-140	19	30	
2-Nitrophenol	1.13	0.250	mg/kg wet	2.500		45	30-130	22	30	
3,3'-Dichlorobenzidine	1.80	0.500	mg/kg wet	2.500		72	40-140	14	30	
3+4-Methylphenol	2.25	0.500	mg/kg wet	5.000		45	30-130	19	30	
3-Nitroaniline	1.83	0.250	mg/kg wet	2.500		73	40-140	14	30	
4,6-Dinitro-2-Methylphenol	1.87	1.25	mg/kg wet	2.500		75	30-130	17	30	
4-Bromophenyl-phenylether	1.60	0.250	mg/kg wet	2.500		64	40-140	15	30	
4-Chloro-3-Methylphenol	1.66	0.250	mg/kg wet	2.500		66	30-130	14	30	
4-Chloroaniline	1.15	0.500	mg/kg wet	2.500		46	40-140	19	30	
4-Chloro-phenyl-phenyl ether	1.70	0.250	mg/kg wet	2.500		68	40-140	16	30	
4-Nitroaniline	1.85	0.250	mg/kg wet	2.500		74	40-140	13	30	
4-Nitrophenol	1.79	1.25	mg/kg wet	2.500		72	30-130	16	30	
Acenaphthene	1.55	0.250	mg/kg wet	2.500		62	40-140	14	30	
Acenaphthylene	1.51	0.250	mg/kg wet	2.500		60	40-140	16	30	
Acetophenone	1.14	0.500	mg/kg wet	2.500		46	40-140	26	30	
Aniline	0.862	1.25	mg/kg wet	2.500		34	40-140	29	30	B-
Anthracene	1.64	0.250	mg/kg wet	2.500		65	40-140	15	30	
Azobenzene	1.59	0.250	mg/kg wet	2.500		64	40-140	13	30	
Benzo(a)anthracene	1.86	0.250	mg/kg wet	2.500		74	40-140	14	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82325 - 3541										
Benzo(a)pyrene	1.70	0.125	mg/kg wet	2.500		68	40-140	15	30	
Benzo(b)fluoranthene	1.69	0.250	mg/kg wet	2.500		68	40-140	24	30	
Benzo(g,h,i)perylene	1.67	0.250	mg/kg wet	2.500		67	40-140	16	30	
Benzo(k)fluoranthene	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Benzoic Acid	0.176	1.25	mg/kg wet	2.500		7	40-140	48	30	B-, D+
Benzyl Alcohol	1.24	0.250	mg/kg wet	2.500		50	40-140	23	30	
bis(2-Chloroethoxy)methane	0.838	0.250	mg/kg wet	2.500		34	40-140	30	30	B-
bis(2-Chloroethyl)ether	0.910	0.250	mg/kg wet	2.500		36	40-140	31	30	B-, D+
bis(2-chloroisopropyl)Ether	0.904	0.250	mg/kg wet	2.500		36	40-140	28	30	B-
bis(2-Ethylhexyl)phthalate	1.93	0.250	mg/kg wet	2.500		77	40-140	12	30	
Butylbenzylphthalate	1.86	0.250	mg/kg wet	2.500		74	40-140	14	30	
Carbazole	1.80	0.250	mg/kg wet	2.500		72	40-140	14	30	
Chrysene	1.89	0.125	mg/kg wet	2.500		75	40-140	13	30	
Dibenzo(a,h)Anthracene	1.72	0.125	mg/kg wet	2.500		69	40-140	13	30	
Dibenzofuran	1.59	0.250	mg/kg wet	2.500		64	40-140	14	30	
Diethylphthalate	1.72	0.250	mg/kg wet	2.500		69	40-140	14	30	
Dimethylphthalate	1.73	0.250	mg/kg wet	2.500		69	40-140	16	30	
Di-n-butylphthalate	1.70	0.250	mg/kg wet	2.500		68	40-140	14	30	
Di-n-octylphthalate	1.67	0.250	mg/kg wet	2.500		67	40-140	15	30	
Fluoranthene	1.81	0.250	mg/kg wet	2.500		72	40-140	15	30	
Fluorene	1.57	0.250	mg/kg wet	2.500		63	40-140	13	30	
Hexachlorobenzene	1.57	0.125	mg/kg wet	2.500		63	40-140	14	30	
Hexachlorobutadiene	0.954	0.250	mg/kg wet	2.500		38	40-140	27	30	B-
Hexachlorocyclopentadiene	0.898	1.25	mg/kg wet	2.500		36	40-140	23	30	B-
Hexachloroethane	0.812	0.250	mg/kg wet	2.500		32	40-140	36	30	B-, D+
Indeno(1,2,3-cd)Pyrene	1.68	0.250	mg/kg wet	2.500		67	40-140	15	30	
Isophorone	1.25	0.250	mg/kg wet	2.500		50	40-140	17	30	
Naphthalene	1.05	0.250	mg/kg wet	2.500		42	40-140	22	30	
Nitrobenzene	0.994	0.250	mg/kg wet	2.500		40	40-140	21	30	
N-Nitrosodimethylamine	0.735	0.250	mg/kg wet	2.500		29	40-140	41	30	B-, D+
N-Nitroso-Di-n-Propylamine	1.01	0.250	mg/kg wet	2.500		40	40-140	11	30	
N-nitrosodiphenylamine	1.68	0.250	mg/kg wet	2.500		67	40-140	15	30	
Pentachlorophenol	2.13	1.25	mg/kg wet	2.500		85	30-130	15	30	
Phenanthrene	1.62	0.250	mg/kg wet	2.500		65	40-140	16	30	
Phenol	1.02	0.250	mg/kg wet	2.500		41	30-130	26	30	
Pyrene	1.79	0.250	mg/kg wet	2.500		72	40-140	12	30	
Pyridine	0.270	1.25	mg/kg wet	2.500		11	40-140	47	30	B-, D+
Surrogate: 1,2-Dichlorobenzene-d4	*0.836*		mg/kg wet	*2.500*		*33*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.43*		mg/kg wet	*3.750*		*65*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*1.43*		mg/kg wet	*3.750*		*38*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.44*		mg/kg wet	*2.500*		*57*	*30-130*			
Surrogate: 2-Fluorophenol	*1.31*		mg/kg wet	*3.750*		*35*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.04*		mg/kg wet	*2.500*		*42*	*30-130*			
Surrogate: Phenol-d6	*1.91*		mg/kg wet	*3.750*		*51*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
R-	Standard Reference Material is biased low.
MM	Majority of matrix spike compounds are outside of criteria due to matrix interferences.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801267

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801267

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF___ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TK&K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	1/18/08	1500	X		S	OFFTA-WC03	1/6	5	G	✓		✓		✓	✓	✓							
2	1/22/08	1530	X		S	OFFTA-A-B15	1	1	G			✓											
3	1/22/08	1530	X		S	OFFTA-A-S6	1	1	G			✓											

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: [illegible]

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/08 1037	[signature]	1038 1/23	[signature]	1/23/08 14:30	[signature]	1-23-08 1430
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/23/08 1130	[signature]	1/23/08 11:30	[signature]	1/23/08 11:30	[signature]	1-23-08 1430

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing. JTO 1-23-08

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801299

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: January 31, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 24, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801299-01	Soil	OFFTA-WC04
0801299-02	Soil	OFFTA-B1-B4
0801299-03	Soil	OFFTA-B1-4D
0801299-04	Soil	OFFTA-B2-B0
0801299-05	Soil	OFFTA-WC05
0801299-06	Soil	OFFTA-WC06

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82517-SRM2 **Standard Reference Material is biased low.**
Silver

5035/8260B Volatile Organic Compounds / Methanol

BA82512-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82512-MS1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene

BA82512-MSD1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, 4-Methyl-2-Pentanone, Acetone, Hexachlorobutadiene, n-Butylbenzene, Tetrachloroethene, Tetrahydrofuran

8015M Diesel Range Organics

0801299-02 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC04
Date Sampled: 01/24/08 09:00
Percent Solids: 82
Initial Volume: 19.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**120**	mg/kg dry	46.9		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-B4
Date Sampled: 01/24/08 11:30
Percent Solids: 69
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**4470**	mg/kg dry	53.5		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*36 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B1-4D
Date Sampled: 01/24/08 11:30
Percent Solids: 72
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1570**	mg/kg dry	51.3		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*71 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B0
Date Sampled: 01/24/08 11:30
Percent Solids: 71
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**5520**	mg/kg dry	104		2	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*43 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.4	6010B	7	1	JP	01/25/08	1.81	100
Barium	**75.2**	mg/kg dry	3.4	6010B	5500	1	JP	01/25/08	1.81	100
Cadmium	**1.74**	mg/kg dry	0.69	6010B	39	1	JP	01/25/08	1.81	100
Chromium	**25.7**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.81	100
Lead	**978**	mg/kg dry	6.9	6010B	150	1	JP	01/25/08	1.81	100
Mercury	**0.190**	mg/kg dry	0.041	7471A	23	1	JP	01/29/08	0.61	40
Selenium	ND	mg/kg dry	6.9	6010B	390	1	KAB	01/26/08	1.81	100
Silver	ND	mg/kg dry	0.69	6010B	200	1	JP	01/25/08	1.81	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.108	0.0358	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0542	0.0141	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0542	0.0162	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0542	0.0173	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0542	0.0152	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0542	0.0130	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0542	0.0119	96	1	01/25/08
1,2,4-Trimethylbenzene	*J*	**0.0379**	mg/kg dry	0.0542	0.0130		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.325	0.108	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0542	0.0119	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0119	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0542	0.0119	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0542	0.0152	1.9	1	01/25/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0130	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0542	0.0141	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.42	2.71		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.108	0.0271		1	01/25/08
2-Butanone		ND	mg/kg dry	1.35	0.271	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.542	0.0758		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0542	0.0141		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.542	0.0758	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.35	0.433	7800	1	01/25/08
Benzene		**0.0780**	mg/kg dry	0.0542	0.0162	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0542	0.0152	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0542	0.0173	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.108	0.0271	0.8	1	01/25/08
Carbon Disulfide		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Carbon Tetrachloride		ND	mg/kg dry	0.0542	0.0152	1.5	1	01/25/08
Chlorobenzene		ND	mg/kg dry	0.0542	0.0119	210	1	01/25/08
Chloroethane		ND	mg/kg dry	0.108	0.0358		1	01/25/08
Chloroform		ND	mg/kg dry	0.0542	0.0130	1.2	1	01/25/08
Chloromethane		ND	mg/kg dry	0.108	0.0173		1	01/25/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0162	630	1	01/25/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0119		1	01/25/08
Dibromochloromethane		ND	mg/kg dry	0.0542	0.0108	7.6	1	01/25/08
Dibromomethane		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Diethyl Ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Di-isopropyl ether		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0542	0.0108		1	01/25/08
Ethylbenzene	J	**0.0325**	mg/kg dry	0.0542	0.0130	71	1	01/25/08
Hexachlorobutadiene		ND	mg/kg dry	0.0542	0.0173	8.2	1	01/25/08
Isopropylbenzene		**0.0791**	mg/kg dry	0.0542	0.0119	27	1	01/25/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0542	0.0130	390	1	01/25/08
Methylene Chloride		ND	mg/kg dry	0.271	0.0217	45	1	01/25/08
Naphthalene		**0.525**	mg/kg dry	0.0542	0.0162	54	1	01/25/08
n-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
n-Propylbenzene		**0.0780**	mg/kg dry	0.0542	0.0141		1	01/25/08
sec-Butylbenzene		**0.102**	mg/kg dry	0.0542	0.0141		1	01/25/08
Styrene		ND	mg/kg dry	0.0542	0.0141	13	1	01/25/08
tert-Butylbenzene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0542	0.0162		1	01/25/08
Tetrachloroethene		ND	mg/kg dry	0.0542	0.0173	12	1	01/25/08
Tetrahydrofuran		ND	mg/kg dry	0.542	0.141		1	01/25/08
Toluene		**0.142**	mg/kg dry	0.0542	0.0152	190	1	01/25/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0542	0.0173	1100	1	01/25/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0542	0.0130		1	01/25/08
Trichloroethene		ND	mg/kg dry	0.0542	0.0130	13	1	01/25/08
Trichlorofluoromethane		ND	mg/kg dry	0.0542	0.0152		1	01/25/08
Vinyl Acetate		ND	mg/kg dry	0.271	0.0217		1	01/25/08
Vinyl Chloride		ND	mg/kg dry	0.0542	0.0130	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O		ND	mg/kg dry	0.0542	0.0108	110	1	01/25/08
Xylene P,M	J	**0.0758**	mg/kg dry	0.108	0.0271	110	1	01/25/08
Xylenes (Total)		ND	mg/kg dry	0.162		110	1	01/25/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*105 %*		*70-130*
Surrogate: Dibromofluoromethane	*111 %*		*70-130*
Surrogate: Toluene-d8	*106 %*		*70-130*

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Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**1440**	mg/kg dry	46.6		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*66 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0622	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0622	10	1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*135 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*124 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*52 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*63 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	**0.435**	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**0.941**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	**0.825**	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	**0.769**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	**0.583**	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	**0.928**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.232**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	**2.03**	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.529**	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	**1.55**	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC05
Date Sampled: 01/24/08 09:00
Percent Solids: 80
Initial Volume: 15.1
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-05
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**1.63**	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*54 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*65 %*		*30-130*
Surrogate: 2-Fluorophenol	*49 %*		*30-130*
Surrogate: Nitrobenzene-d5	*61 %*		*30-130*
Surrogate: Phenol-d6	*76 %*		*30-130*
Surrogate: p-Terphenyl-d14	*68 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**3.6**	mg/kg dry	3.6	6010B	7	1	JP	01/25/08	1.8	100
Barium	**138**	mg/kg dry	3.6	6010B	5500	1	JP	01/25/08	1.8	100
Cadmium	**1.52**	mg/kg dry	0.72	6010B	39	1	JP	01/25/08	1.8	100
Chromium	**20.5**	mg/kg dry	1.4	6010B	1400	1	JP	01/25/08	1.8	100
Lead	**1840**	mg/kg dry	71.3	6010B	150	10	JP	01/26/08	1.8	100
Mercury	**0.704**	mg/kg dry	0.040	7471A	23	1	JP	01/29/08	0.64	40
Selenium	ND	mg/kg dry	7.1	6010B	390	1	KAB	01/26/08	1.8	100
Silver	**0.96**	mg/kg dry	0.72	6010B	200	1	JP	01/25/08	1.8	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.0950	0.0313	2.2	1	01/25/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0475	0.0123	540	1	01/25/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0475	0.0142	1.3	1	01/25/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0475	0.0152	3.6	1	01/25/08
1,1-Dichloroethane		ND	mg/kg dry	0.0475	0.0133	920	1	01/25/08
1,1-Dichloroethene		ND	mg/kg dry	0.0475	0.0114	0.2	1	01/25/08
1,1-Dichloropropene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0475	0.0104	96	1	01/25/08
1,2,4-Trimethylbenzene		**0.163**	mg/kg dry	0.0475	0.0114		1	01/25/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.285	0.0950	0.5	1	01/25/08
1,2-Dibromoethane		ND	mg/kg dry	0.0475	0.0104	0.01	1	01/25/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0104	510	1	01/25/08
1,2-Dichloroethane		ND	mg/kg dry	0.0475	0.0104	0.9	1	01/25/08
1,2-Dichloropropane		ND	mg/kg dry	0.0475	0.0133	1.9	1	01/25/08
1,3,5-Trimethylbenzene	J	**0.0323**	mg/kg dry	0.0475	0.0123		1	01/25/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0114	430	1	01/25/08
1,3-Dichloropropane		ND	mg/kg dry	0.0475	0.0095		1	01/25/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0475	0.0123	27	1	01/25/08
1,4-Dioxane - Screen		ND	mg/kg dry	4.75	2.37		1	01/25/08
1-Chlorohexane		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
2,2-Dichloropropane		ND	mg/kg dry	0.0950	0.0237		1	01/25/08
2-Butanone		ND	mg/kg dry	1.19	0.237	10000	1	01/25/08
2-Chlorotoluene		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
2-Hexanone		ND	mg/kg dry	0.475	0.0665		1	01/25/08
4-Chlorotoluene		ND	mg/kg dry	0.0475	0.0114		1	01/25/08
4-Isopropyltoluene		ND	mg/kg dry	0.0475	0.0123		1	01/25/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.475	0.0665	1200	1	01/25/08
Acetone		ND	mg/kg dry	1.19	0.380	7800	1	01/25/08
Benzene		**0.161**	mg/kg dry	0.0475	0.0142	2.5	1	01/25/08
Bromobenzene		ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Bromochloromethane		ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Bromodichloromethane		ND	mg/kg dry	0.0475	0.0133	10	1	01/25/08
Bromoform		ND	mg/kg dry	0.0475	0.0152	81	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.0950	0.0237	0.8	1	01/25/08
Carbon Disulfide	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Carbon Tetrachloride	ND	mg/kg dry	0.0475	0.0133	1.5	1	01/25/08
Chlorobenzene	ND	mg/kg dry	0.0475	0.0104	210	1	01/25/08
Chloroethane	ND	mg/kg dry	0.0950	0.0313		1	01/25/08
Chloroform	ND	mg/kg dry	0.0475	0.0114	1.2	1	01/25/08
Chloromethane	ND	mg/kg dry	0.0950	0.0152		1	01/25/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0142	630	1	01/25/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0104		1	01/25/08
Dibromochloromethane	ND	mg/kg dry	0.0475	0.0095	7.6	1	01/25/08
Dibromomethane	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Diethyl Ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Di-isopropyl ether	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0475	0.0095		1	01/25/08
Ethylbenzene	**0.102**	mg/kg dry	0.0475	0.0114	71	1	01/25/08
Hexachlorobutadiene	ND	mg/kg dry	0.0475	0.0152	8.2	1	01/25/08
Isopropylbenzene	**0.0845**	mg/kg dry	0.0475	0.0104	27	1	01/25/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0475	0.0114	390	1	01/25/08
Methylene Chloride	ND	mg/kg dry	0.237	0.0190	45	1	01/25/08
Naphthalene	**2.54**	mg/kg dry	0.0475	0.0142	54	1	01/25/08
n-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
n-Propylbenzene	**0.104**	mg/kg dry	0.0475	0.0123		1	01/25/08
sec-Butylbenzene	**0.116**	mg/kg dry	0.0475	0.0123		1	01/25/08
Styrene	ND	mg/kg dry	0.0475	0.0123	13	1	01/25/08
tert-Butylbenzene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0475	0.0142		1	01/25/08
Tetrachloroethene	ND	mg/kg dry	0.0475	0.0152	12	1	01/25/08
Tetrahydrofuran	ND	mg/kg dry	0.475	0.123		1	01/25/08
Toluene	**0.0988**	mg/kg dry	0.0475	0.0133	190	1	01/25/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0475	0.0152	1100	1	01/25/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0475	0.0114		1	01/25/08
Trichloroethene	ND	mg/kg dry	0.0475	0.0114	13	1	01/25/08
Trichlorofluoromethane	ND	mg/kg dry	0.0475	0.0133		1	01/25/08
Vinyl Acetate	ND	mg/kg dry	0.237	0.0190		1	01/25/08
Vinyl Chloride	ND	mg/kg dry	0.0475	0.0114	0.02	1	01/25/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 19.2
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	J	**0.0313**	mg/kg dry	0.0475	0.0095	110	1	01/25/08
Xylene P,M		**0.155**	mg/kg dry	0.0950	0.0237	110	1	01/25/08
Xylenes (Total)		**0.186**	mg/kg dry	0.142		110	1	01/25/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*100 %*		*70-130*
Surrogate: Dibromofluoromethane	*108 %*		*70-130*
Surrogate: Toluene-d8	*99 %*		*70-130*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/25/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2080**	mg/kg dry	47.8		1	01/25/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*51 %*		*40-140*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 20.5
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/29/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1221	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1232	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1242	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1248	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1254	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1260	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1262	ND	mg/kg dry	0.0625	10	1	01/30/08
Aroclor 1268	ND	mg/kg dry	0.0625	10	1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*137 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*96 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*57 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*66 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.430	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.430	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.430	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.430	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.430	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.16		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.430	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.430	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.430	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.430	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.16	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.430	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.430		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.430		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.430	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.430	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.430		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.861	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.861		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.16		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.430		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.430		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.861	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.430		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.430		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.16		1	01/30/08
Acenaphthene	**0.504**	mg/kg dry	0.430	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.430	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.861		1	01/30/08
Aniline	ND	mg/kg dry	2.16		1	01/30/08
Anthracene	**0.740**	mg/kg dry	0.430	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.430		1	01/30/08

ESS Laboratory

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Client Project ID: Newport OFFTA
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Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.53**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(a)pyrene	**1.30**	mg/kg dry	0.216	0.4	1	01/30/08
Benzo(b)fluoranthene	**1.23**	mg/kg dry	0.430	0.9	1	01/30/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.430	0.8	1	01/30/08
Benzo(k)fluoranthene	**0.843**	mg/kg dry	0.430	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.16		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.430		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.430	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.430	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.430	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Carbazole	ND	mg/kg dry	0.430		1	01/30/08
Chrysene	**1.48**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.283**	mg/kg dry	0.216	0.4	1	01/30/08
Dibenzofuran	**0.435**	mg/kg dry	0.430		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.430	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.430	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.430		1	01/30/08
Fluoranthene	**3.19**	mg/kg dry	0.430	20	1	01/30/08
Fluorene	**0.552**	mg/kg dry	0.430	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.216	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.430	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.16		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.430	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.522**	mg/kg dry	0.430	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.430		1	01/30/08
Naphthalene	**0.545**	mg/kg dry	0.430	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.430		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.430		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.430		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.430		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.16	5.3	1	01/30/08
Phenanthrene	**2.68**	mg/kg dry	0.430	40	1	01/30/08
Phenol	ND	mg/kg dry	0.430	6000	1	01/30/08

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC06
Date Sampled: 01/24/08 09:00
Percent Solids: 78
Initial Volume: 14.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801299
ESS Laboratory Sample ID: 0801299-06
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**2.59**	mg/kg dry	0.430	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.16		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*69 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*72 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*59 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*70 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*70 %*		*30-130*
Surrogate: Phenol-d6	*79 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82517 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	30.4	3.3	mg/kg wet	33.33		91	80-120			
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120			
Cadmium	15.1	0.67	mg/kg wet	16.67		91	80-120			
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120			
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120			
Selenium	61.2	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		96	80-120			
LCS Dup										
Arsenic	31.0	3.3	mg/kg wet	33.33		93	80-120	2	20	
Barium	32.4	3.3	mg/kg wet	33.33		97	80-120	1	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	0.8	20	
Chromium	32.9	1.3	mg/kg wet	33.33		99	80-120	1	20	
Lead	33.0	6.7	mg/kg wet	33.33		99	80-120	0.5	20	
Selenium	62.3	6.7	mg/kg wet	66.67		93	80-120	2	20	
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120	0.8	20	
Reference										
Arsenic	80.2	5.0	mg/kg wet	88.80		90	80.86-119.37			
Barium	401	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium	57.2	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	91.0	2.0	mg/kg wet	97.90		93	78.86-120.53			
Lead	87.4	10.0	mg/kg wet	88.90		98	81.78-118.11			
Selenium	160	10.0	mg/kg wet	155.0		103	77.42-122.58			
Silver	80.6	1.00	mg/kg wet	81.60		99	66.3-133.58			
Reference										
Barium	446	4.9	mg/kg wet	500.0		89	70-130			
Cadmium	424	1.00	mg/kg wet	500.0		85	70-130			
Chromium	465	2.0	mg/kg wet	500.0		93	70-130			
Lead	492	9.9	mg/kg wet	500.0		98	70-130			
Silver	339	1.00	mg/kg wet	500.0		68	70-130			R-
Batch BA82518 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.208	0.033	mg/kg wet	0.2000		104	80-120			
LCS Dup										

ESS Laboratory

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Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82518 - 7471A										
Mercury	0.210	0.033	mg/kg wet	0.2000		105	80-120	0.7	20	
Reference										
Mercury	4.27	0.330	mg/kg wet	4.470		95	66-132.66			
Reference										
Mercury	0.964	0.160	mg/kg wet	1.000		96	70-130			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.25*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.31*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: Toluene-d8	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00		97	70-130			
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130			
1,1,2,2-Tetrachloroethane	24.6		ug/L	25.00		98	70-130			
1,1,2-Trichloroethane	24.6		ug/L	25.00		99	70-130			
1,1-Dichloroethane	25.4		ug/L	25.00		101	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethene	29.8		ug/L	25.00		119	70-130			
1,1-Dichloropropene	25.4		ug/L	25.00		102	70-130			
1,2,3-Trichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,2,3-Trichloropropane	25.4		ug/L	25.00		102	70-130			
1,2,4-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,4-Trimethylbenzene	25.9		ug/L	25.00		104	70-130			
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00		100	70-130			
1,2-Dibromoethane	24.6		ug/L	25.00		99	70-130			
1,2-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2-Dichloroethane	24.8		ug/L	25.00		99	70-130			
1,2-Dichloropropane	25.6		ug/L	25.00		103	70-130			
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,3-Dichloropropane	24.8		ug/L	25.00		99	70-130			
1,4-Dichlorobenzene	24.3		ug/L	25.00		97	70-130			
1,4-Dioxane - Screen	889		ug/L	500.0		178	44-241			
1-Chlorohexane	25.2		ug/L	25.00		101	70-130			
2,2-Dichloropropane	23.4		ug/L	25.00		94	70-130			
2-Butanone	168		ug/L	125.0		134	70-130			B+
2-Chlorotoluene	24.1		ug/L	25.00		96	70-130			
2-Hexanone	146		ug/L	125.0		116	70-130			
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130			
4-Isopropyltoluene	24.5		ug/L	25.00		98	70-130			
4-Methyl-2-Pentanone	136		ug/L	125.0		109	70-130			
Acetone	200		ug/L	125.0		160	70-130			B+
Benzene	25.0		ug/L	25.00		100	70-130			
Bromobenzene	24.6		ug/L	25.00		98	70-130			
Bromochloromethane	24.1		ug/L	25.00		96	70-130			
Bromodichloromethane	26.9		ug/L	25.00		108	70-130			
Bromoform	24.0		ug/L	25.00		96	70-130			
Bromomethane	25.9		ug/L	25.00		104	70-130			
Carbon Disulfide	28.0		ug/L	25.00		112	70-130			
Carbon Tetrachloride	25.1		ug/L	25.00		100	70-130			
Chlorobenzene	24.8		ug/L	25.00		99	70-130			
Chloroethane	25.5		ug/L	25.00		102	70-130			
Chloroform	25.0		ug/L	25.00		100	70-130			
Chloromethane	22.4		ug/L	25.00		89	70-130			
cis-1,2-Dichloroethene	27.6		ug/L	25.00		110	70-130			
cis-1,3-Dichloropropene	24.9		ug/L	25.00		100	70-130			
Dibromochloromethane	25.4		ug/L	25.00		102	70-130			
Dibromomethane	24.4		ug/L	25.00		98	70-130			
Dichlorodifluoromethane	20.1		ug/L	25.00		80	70-130			
Diethyl Ether	27.1		ug/L	25.00		108	70-130			
Di-isopropyl ether	26.6		ug/L	25.00		106	70-130			
Ethyl tertiary-butyl ether	25.2		ug/L	25.00		101	70-130			
Ethylbenzene	24.6		ug/L	25.00		98	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Hexachlorobutadiene	25.7		ug/L	25.00		103	70-130			
Isopropylbenzene	22.8		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	25.6		ug/L	25.00		102	70-130			
Methylene Chloride	26.0		ug/L	25.00		104	70-130			
Naphthalene	23.1		ug/L	25.00		93	70-130			
n-Butylbenzene	27.2		ug/L	25.00		109	70-130			
n-Propylbenzene	26.3		ug/L	25.00		105	70-130			
sec-Butylbenzene	25.5		ug/L	25.00		102	70-130			
Styrene	25.2		ug/L	25.00		101	70-130			
tert-Butylbenzene	25.9		ug/L	25.00		104	70-130			
Tertiary-amyl methyl ether	25.7		ug/L	25.00		103	70-130			
Tetrachloroethene	23.2		ug/L	25.00		93	70-130			
Tetrahydrofuran	25.3		ug/L	25.00		101	70-130			
Toluene	25.1		ug/L	25.00		100	70-130			
trans-1,2-Dichloroethene	27.2		ug/L	25.00		109	70-130			
trans-1,3-Dichloropropene	22.8		ug/L	25.00		91	70-130			
Trichloroethene	25.2		ug/L	25.00		101	70-130			
Vinyl Acetate	24.8		ug/L	25.00		99	70-130			
Vinyl Chloride	30.5		ug/L	25.00		122	70-130			
Xylene O	25.1		ug/L	25.00		100	70-130			
Xylene P,M	49.9		ug/L	50.00		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.43*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.44*		mg/kg wet	*2.500*		*98*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.4		ug/L	25.00		97	70-130	0.7	20	
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130	0.3	20	
1,1,2,2-Tetrachloroethane	25.3		ug/L	25.00		101	70-130	3	20	
1,1,2-Trichloroethane	25.0		ug/L	25.00		100	70-130	1	20	
1,1-Dichloroethane	25.2		ug/L	25.00		101	70-130	0.6	20	
1,1-Dichloroethene	29.4		ug/L	25.00		118	70-130	1	20	
1,1-Dichloropropene	25.3		ug/L	25.00		101	70-130	0.7	20	
1,2,3-Trichlorobenzene	24.8		ug/L	25.00		99	70-130	4	20	
1,2,3-Trichloropropane	26.0		ug/L	25.00		104	70-130	2	20	
1,2,4-Trichlorobenzene	25.2		ug/L	25.00		101	70-130	2	20	
1,2,4-Trimethylbenzene	26.1		ug/L	25.00		104	70-130	0.6	20	
1,2-Dibromo-3-Chloropropane	25.5		ug/L	25.00		102	70-130	2	20	
1,2-Dibromoethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	1	20	
1,2-Dichloroethane	25.2		ug/L	25.00		101	70-130	2	20	
1,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	1	20	
1,3,5-Trimethylbenzene	25.0		ug/L	25.00		100	70-130	0.2	20	
1,3-Dichlorobenzene	24.9		ug/L	25.00		100	70-130	0.6	20	
1,3-Dichloropropane	25.3		ug/L	25.00		101	70-130	2	20	
1,4-Dichlorobenzene	24.4		ug/L	25.00		98	70-130	0.7	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,4-Dioxane - Screen	1060		ug/L	500.0		212	44-241	17	200	
1-Chlorohexane	25.1		ug/L	25.00		100	70-130	0.5	20	
2,2-Dichloropropane	23.5		ug/L	25.00		94	70-130	0.4	20	
2-Butanone	171		ug/L	125.0		137	70-130	2	20	B+
2-Chlorotoluene	23.6		ug/L	25.00		94	70-130	2	20	
2-Hexanone	152		ug/L	125.0		122	70-130	4	20	
4-Chlorotoluene	24.9		ug/L	25.00		100	70-130	0.6	20	
4-Isopropyltoluene	24.3		ug/L	25.00		97	70-130	0.5	20	
4-Methyl-2-Pentanone	141		ug/L	125.0		113	70-130	3	20	
Acetone	199		ug/L	125.0		159	70-130	0.4	20	B+
Benzene	24.8		ug/L	25.00		99	70-130	1	20	
Bromobenzene	24.7		ug/L	25.00		99	70-130	0.6	20	
Bromochloromethane	24.1		ug/L	25.00		96	70-130	0.08	20	
Bromodichloromethane	27.5		ug/L	25.00		110	70-130	2	20	
Bromoform	24.8		ug/L	25.00		99	70-130	3	20	
Bromomethane	27.5		ug/L	25.00		110	70-130	6	20	
Carbon Disulfide	27.7		ug/L	25.00		111	70-130	0.9	20	
Carbon Tetrachloride	25.1		ug/L	25.00		101	70-130	0.2	20	
Chlorobenzene	24.6		ug/L	25.00		98	70-130	0.6	20	
Chloroethane	24.4		ug/L	25.00		98	70-130	4	20	
Chloroform	25.1		ug/L	25.00		100	70-130	0.1	20	
Chloromethane	22.4		ug/L	25.00		89	70-130	0.04	20	
cis-1,2-Dichloroethene	27.5		ug/L	25.00		110	70-130	0.1	20	
cis-1,3-Dichloropropene	25.3		ug/L	25.00		101	70-130	2	20	
Dibromochloromethane	25.9		ug/L	25.00		104	70-130	2	20	
Dibromomethane	24.9		ug/L	25.00		100	70-130	2	20	
Dichlorodifluoromethane	20.3		ug/L	25.00		81	70-130	1	20	
Diethyl Ether	27.9		ug/L	25.00		111	70-130	3	20	
Di-isopropyl ether	26.7		ug/L	25.00		107	70-130	0.5	20	
Ethyl tertiary-butyl ether	25.6		ug/L	25.00		102	70-130	2	20	
Ethylbenzene	24.4		ug/L	25.00		98	70-130	0.8	20	
Hexachlorobutadiene	25.8		ug/L	25.00		103	70-130	0.5	20	
Isopropylbenzene	22.5		ug/L	25.00		90	70-130	1	20	
Methyl tert-Butyl Ether	26.3		ug/L	25.00		105	70-130	3	20	
Methylene Chloride	26.3		ug/L	25.00		105	70-130	1	20	
Naphthalene	24.4		ug/L	25.00		98	70-130	6	20	
n-Butylbenzene	27.0		ug/L	25.00		108	70-130	0.9	20	
n-Propylbenzene	26.7		ug/L	25.00		107	70-130	1	20	
sec-Butylbenzene	25.4		ug/L	25.00		101	70-130	0.6	20	
Styrene	25.4		ug/L	25.00		102	70-130	0.8	20	
tert-Butylbenzene	25.5		ug/L	25.00		102	70-130	2	20	
Tertiary-amyl methyl ether	26.3		ug/L	25.00		105	70-130	2	20	
Tetrachloroethene	23.9		ug/L	25.00		96	70-130	3	20	
Tetrahydrofuran	27.9		ug/L	25.00		112	70-130	10	20	
Toluene	25.0		ug/L	25.00		100	70-130	0.4	20	
trans-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	0.5	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
trans-1,3-Dichloropropene	23.2		ug/L	25.00		93	70-130	2	20	
Trichloroethene	25.0		ug/L	25.00		100	70-130	0.6	20	
Vinyl Acetate	25.0		ug/L	25.00		100	70-130	0.5	20	
Vinyl Chloride	30.4		ug/L	25.00		122	70-130	0.1	20	
Xylene O	24.9		ug/L	25.00		99	70-130	0.9	20	
Xylene P,M	49.4		ug/L	50.00		99	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.39*		mg/kg wet	*2.500*		*96*	*70-130*			
Matrix Spike Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1,1-Trichloroethane	26.4		ug/L	24.89	ND	106	70-130			
1,1,2,2-Tetrachloroethane	27.5		ug/L	24.89	ND	111	70-130			
1,1,2-Trichloroethane	26.9		ug/L	24.89	ND	108	70-130			
1,1-Dichloroethane	25.9		ug/L	24.89	ND	104	70-130			
1,1-Dichloroethene	28.0		ug/L	24.89	ND	113	70-130			
1,1-Dichloropropene	26.1		ug/L	24.89	ND	105	70-130			
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130			
1,2,3-Trichloropropane	28.7		ug/L	24.89	ND	115	70-130			
1,2,4-Trichlorobenzene	27.5		ug/L	24.89	ND	111	70-130			
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130			
1,2-Dibromo-3-Chloropropane	32.0		ug/L	24.89	ND	128	70-130			
1,2-Dibromoethane	27.6		ug/L	24.89	ND	111	70-130			
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	104	70-130			
1,2-Dichloroethane	26.8		ug/L	24.89	ND	108	70-130			
1,2-Dichloropropane	26.5		ug/L	24.89	ND	106	70-130			
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130			
1,3-Dichlorobenzene	25.2		ug/L	24.89	ND	101	70-130			
1,3-Dichloropropane	27.4		ug/L	24.89	ND	110	70-130			
1,4-Dichlorobenzene	25.0		ug/L	24.89	ND	101	70-130			
1,4-Dioxane - Screen	635		ug/L	497.9	ND	128	44-241			
1-Chlorohexane	25.4		ug/L	24.89	ND	102	70-130			
2,2-Dichloropropane	23.3		ug/L	24.89	ND	94	70-130			
2-Butanone	189		ug/L	124.5	ND	152	70-130			M+
2-Chlorotoluene	26.2		ug/L	24.89	ND	105	70-130			
2-Hexanone	210		ug/L	124.5	ND	169	70-130			M+
4-Chlorotoluene	25.6		ug/L	24.89	ND	103	70-130			
4-Isopropyltoluene	26.4		ug/L	24.89	ND	106	70-130			
4-Methyl-2-Pentanone	228		ug/L	124.5	ND	183	70-130			M+
Acetone	187		ug/L	124.5	ND	150	70-130			M+
Benzene	27.2		ug/L	24.89	2.41	100	70-130			
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130			
Bromochloromethane	27.1		ug/L	24.89	ND	109	70-130			
Bromodichloromethane	28.6		ug/L	24.89	ND	115	70-130			
Bromoform	27.2		ug/L	24.89	ND	109	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Bromomethane	25.4		ug/L	24.89	ND	102	70-130			
Carbon Disulfide	26.3		ug/L	24.89	0.127	105	70-130			
Carbon Tetrachloride	26.6		ug/L	24.89	ND	107	70-130			
Chlorobenzene	26.0		ug/L	24.89	ND	104	70-130			
Chloroethane	25.6		ug/L	24.89	ND	103	70-130			
Chloroform	26.3		ug/L	24.89	ND	106	70-130			
Chloromethane	22.2		ug/L	24.89	ND	89	70-130			
cis-1,2-Dichloroethene	28.8		ug/L	24.89	ND	115	70-130			
cis-1,3-Dichloropropene	26.6		ug/L	24.89	ND	107	70-130			
Dibromochloromethane	27.6		ug/L	24.89	ND	111	70-130			
Dibromomethane	27.8		ug/L	24.89	ND	112	70-130			
Dichlorodifluoromethane	22.0		ug/L	24.89	ND	89	70-130			
Diethyl Ether	29.6		ug/L	24.89	ND	119	70-130			
Di-isopropyl ether	27.2		ug/L	24.89	ND	109	70-130			
Ethyl tertiary-butyl ether	27.3		ug/L	24.89	ND	110	70-130			
Ethylbenzene	26.8		ug/L	24.89	1.52	102	70-130			
Hexachlorobutadiene	36.8		ug/L	24.89	ND	148	70-130			M+
Isopropylbenzene	23.7		ug/L	24.89	1.26	90	70-130			
Methyl tert-Butyl Ether	28.5		ug/L	24.89	ND	115	70-130			
Methylene Chloride	27.5		ug/L	24.89	ND	111	70-130			
Naphthalene	57.8		ug/L	24.89	37.9	80	70-130			
n-Butylbenzene	32.7		ug/L	24.89	ND	132	70-130			M+
n-Propylbenzene	27.3		ug/L	24.89	1.54	104	70-130			
sec-Butylbenzene	27.7		ug/L	24.89	1.73	104	70-130			
Styrene	26.3		ug/L	24.89	ND	106	70-130			
tert-Butylbenzene	23.8		ug/L	24.89	ND	96	70-130			
Tertiary-amyl methyl ether	28.3		ug/L	24.89	ND	114	70-130			
Tetrachloroethene	34.2		ug/L	24.89	ND	137	70-130			M+
Tetrahydrofuran	32.5		ug/L	24.89	ND	130	70-130			
Toluene	27.4		ug/L	24.89	1.47	104	70-130			
trans-1,2-Dichloroethene	28.6		ug/L	24.89	ND	115	70-130			
trans-1,3-Dichloropropene	24.8		ug/L	24.89	ND	99	70-130			
Trichloroethene	27.0		ug/L	24.89	ND	108	70-130			
Vinyl Acetate	23.6		ug/L	24.89	ND	95	70-130			
Vinyl Chloride	32.0		ug/L	24.89	ND	128	70-130			
Xylene O	26.0		ug/L	24.89	0.467	103	70-130			
Xylene P,M	52.7		ug/L	49.79	2.31	101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.82*		mg/kg dry	*1.669*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*1.96*		mg/kg dry	*1.669*		*117*	*70-130*			
Surrogate: Toluene-d8	*1.83*		mg/kg dry	*1.669*		*110*	*70-130*			
Matrix Spike Dup Source: 0801299-06										
1,1,1,2-Tetrachloroethane	25.6		ug/L	24.89	ND	103	70-130	1	20	
1,1,1-Trichloroethane	26.1		ug/L	24.89	ND	105	70-130	1	20	
1,1,2,2-Tetrachloroethane	27.0		ug/L	24.89	ND	108	70-130	2	20	
1,1,2-Trichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
1,1-Dichloroethane	25.4		ug/L	24.89	ND	102	70-130	2	20	
1,1-Dichloroethene	27.3		ug/L	24.89	ND	110	70-130	3	20	
1,1-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	0.7	20	
1,2,3-Trichlorobenzene	25.5		ug/L	24.89	ND	102	70-130	0.1	20	
1,2,3-Trichloropropane	27.8		ug/L	24.89	ND	112	70-130	3	20	
1,2,4-Trichlorobenzene	27.2		ug/L	24.89	ND	109	70-130	1	20	
1,2,4-Trimethylbenzene	29.0		ug/L	24.89	2.44	107	70-130	0.2	20	
1,2-Dibromo-3-Chloropropane	29.3		ug/L	24.89	ND	118	70-130	9	20	
1,2-Dibromoethane	26.4		ug/L	24.89	ND	106	70-130	4	20	
1,2-Dichlorobenzene	25.8		ug/L	24.89	ND	103	70-130	0.1	20	
1,2-Dichloroethane	26.3		ug/L	24.89	ND	106	70-130	2	20	
1,2-Dichloropropane	26.3		ug/L	24.89	ND	106	70-130	0.6	20	
1,3,5-Trimethylbenzene	26.0		ug/L	24.89	0.482	103	70-130	0.1	20	
1,3-Dichlorobenzene	25.3		ug/L	24.89	ND	102	70-130	0.5	20	
1,3-Dichloropropane	26.7		ug/L	24.89	ND	107	70-130	3	20	
1,4-Dichlorobenzene	25.1		ug/L	24.89	ND	101	70-130	0.2	20	
1,4-Dioxane - Screen	1060		ug/L	497.9	ND	212	44-241	50	200	
1-Chlorohexane	25.2		ug/L	24.89	ND	101	70-130	0.6	20	
2,2-Dichloropropane	22.7		ug/L	24.89	ND	91	70-130	3	20	
2-Butanone	178		ug/L	124.5	ND	143	70-130	6	20	M+
2-Chlorotoluene	26.6		ug/L	24.89	ND	107	70-130	2	20	
2-Hexanone	202		ug/L	124.5	ND	162	70-130	4	20	M+
4-Chlorotoluene	25.8		ug/L	24.89	ND	103	70-130	0.5	20	
4-Isopropyltoluene	26.3		ug/L	24.89	ND	106	70-130	0.3	20	
4-Methyl-2-Pentanone	219		ug/L	124.5	ND	176	70-130	4	20	M+
Acetone	205		ug/L	124.5	ND	165	70-130	9	20	M+
Benzene	26.8		ug/L	24.89	2.41	98	70-130	1	20	
Bromobenzene	26.2		ug/L	24.89	ND	105	70-130	0.2	20	
Bromochloromethane	25.8		ug/L	24.89	ND	104	70-130	5	20	
Bromodichloromethane	28.2		ug/L	24.89	ND	113	70-130	2	20	
Bromoform	26.3		ug/L	24.89	ND	106	70-130	3	20	
Bromomethane	26.8		ug/L	24.89	ND	108	70-130	6	20	
Carbon Disulfide	28.5		ug/L	24.89	0.127	114	70-130	8	20	
Carbon Tetrachloride	26.2		ug/L	24.89	ND	105	70-130	2	20	
Chlorobenzene	25.8		ug/L	24.89	ND	104	70-130	0.6	20	
Chloroethane	25.5		ug/L	24.89	ND	102	70-130	0.7	20	
Chloroform	25.7		ug/L	24.89	ND	103	70-130	2	20	
Chloromethane	22.5		ug/L	24.89	ND	90	70-130	1	20	
cis-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	2	20	
cis-1,3-Dichloropropene	25.9		ug/L	24.89	ND	104	70-130	3	20	
Dibromochloromethane	27.3		ug/L	24.89	ND	110	70-130	1	20	
Dibromomethane	26.7		ug/L	24.89	ND	107	70-130	4	20	
Dichlorodifluoromethane	21.4		ug/L	24.89	ND	86	70-130	3	20	
Diethyl Ether	27.8		ug/L	24.89	ND	112	70-130	6	20	
Di-isopropyl ether	26.8		ug/L	24.89	ND	108	70-130	2	20	
Ethyl tertiary-butyl ether	26.6		ug/L	24.89	ND	107	70-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

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Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82512 - 5035										
Ethylbenzene	26.6		ug/L	24.89	1.52	101	70-130	0.9	20	
Hexachlorobutadiene	38.8		ug/L	24.89	ND	156	70-130	5	20	M+
Isopropylbenzene	23.8		ug/L	24.89	1.26	90	70-130	0.08	20	
Methyl tert-Butyl Ether	27.6		ug/L	24.89	ND	111	70-130	3	20	
Methylene Chloride	27.1		ug/L	24.89	ND	109	70-130	2	20	
Naphthalene	56.5		ug/L	24.89	37.9	74	70-130	2	20	
n-Butylbenzene	32.9		ug/L	24.89	ND	132	70-130	0.6	20	M+
n-Propylbenzene	27.1		ug/L	24.89	1.54	102	70-130	1	20	
sec-Butylbenzene	27.8		ug/L	24.89	1.73	105	70-130	0.1	20	
Styrene	25.9		ug/L	24.89	ND	104	70-130	2	20	
tert-Butylbenzene	23.5		ug/L	24.89	ND	94	70-130	1	20	
Tertiary-amyl methyl ether	27.2		ug/L	24.89	ND	109	70-130	4	20	
Tetrachloroethene	34.4		ug/L	24.89	ND	138	70-130	0.8	20	M+
Tetrahydrofuran	33.7		ug/L	24.89	ND	135	70-130	4	20	M+
Toluene	27.1		ug/L	24.89	1.47	103	70-130	1	20	
trans-1,2-Dichloroethene	28.2		ug/L	24.89	ND	113	70-130	1	20	
trans-1,3-Dichloropropene	24.1		ug/L	24.89	ND	97	70-130	3	20	
Trichloroethene	26.6		ug/L	24.89	ND	107	70-130	1	20	
Vinyl Acetate	22.9		ug/L	24.89	ND	92	70-130	3	20	
Vinyl Chloride	30.9		ug/L	24.89	ND	124	70-130	3	20	
Xylene O	26.1		ug/L	24.89	0.467	103	70-130	0.2	20	
Xylene P,M	52.2		ug/L	49.79	2.31	100	70-130	0.9	20	
Surrogate: 1,2-Dichloroethane-d4	*1.85*		mg/kg dry	*1.669*		*111*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*1.78*		mg/kg dry	*1.669*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*1.93*		mg/kg dry	*1.669*		*116*	*70-130*			
Surrogate: Toluene-d8	*1.81*		mg/kg dry	*1.669*		*108*	*70-130*			
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.84*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

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Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Decane (C10)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Docosane (C22)	2.57	0.26	mg/kg wet	2.500		103	40-140			
Dodecane (C12)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Eicosane (C20)	2.53	0.26	mg/kg wet	2.500		101	40-140			
Hexacosane (C26)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Hexadecane (C16)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Nonadecane (C19)	2.19	0.26	mg/kg wet	2.500		88	40-140			
Octacosane (C28)	2.72	0.26	mg/kg wet	2.500		109	40-140			
Octadecane (C18)	2.48	0.26	mg/kg wet	2.500		99	40-140			
Tetracosane (C24)	2.65	0.26	mg/kg wet	2.500		106	40-140			
Tetradecane (C14)	2.36	0.26	mg/kg wet	2.500		94	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	2.00	0.26	mg/kg wet	2.500		80	40-140	9	50	
Docosane (C22)	2.59	0.26	mg/kg wet	2.500		103	40-140	0.6	50	
Dodecane (C12)	2.11	0.26	mg/kg wet	2.500		84	40-140	7	50	
Eicosane (C20)	2.52	0.26	mg/kg wet	2.500		101	40-140	0.5	50	
Hexacosane (C26)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Hexadecane (C16)	2.34	0.26	mg/kg wet	2.500		94	40-140	4	50	
Nonadecane (C19)	2.15	0.26	mg/kg wet	2.500		86	40-140	2	50	
Octacosane (C28)	2.75	0.26	mg/kg wet	2.500		110	40-140	1	50	
Octadecane (C18)	2.43	0.26	mg/kg wet	2.500		97	40-140	2	50	
Tetracosane (C24)	2.67	0.26	mg/kg wet	2.500		107	40-140	0.9	50	
Tetradecane (C14)	2.25	0.26	mg/kg wet	2.500		90	40-140	5	50	
Surrogate: O-Terphenyl	*3.67*		mg/kg wet	*5.000*		*73*	*40-140*			
Matrix Spike Source: 0801299-01										
Decane (C10)	2.47	0.33	mg/kg dry	3.192	ND	77	40-140			
Docosane (C22)	3.44	0.33	mg/kg dry	3.192	ND	108	40-140			
Dodecane (C12)	2.56	0.33	mg/kg dry	3.192	ND	80	40-140			
Eicosane (C20)	3.49	0.33	mg/kg dry	3.192	ND	109	40-140			
Hexacosane (C26)	3.65	0.33	mg/kg dry	3.192	ND	114	40-140			
Hexadecane (C16)	3.31	0.33	mg/kg dry	3.192	ND	104	40-140			
Nonadecane (C19)	3.10	0.33	mg/kg dry	3.192	0.275	89	40-140			
Octacosane (C28)	3.91	0.33	mg/kg dry	3.192	0.548	105	40-140			
Octadecane (C18)	3.36	0.33	mg/kg dry	3.192	ND	105	40-140			
Tetracosane (C24)	3.73	0.33	mg/kg dry	3.192	0.274	108	40-140			
Tetradecane (C14)	2.96	0.33	mg/kg dry	3.192	ND	93	40-140			
Surrogate: O-Terphenyl	*5.27*		mg/kg dry	*6.385*		*82*	*40-140*			
Matrix Spike Dup Source: 0801299-01										
Decane (C10)	2.31	0.32	mg/kg dry	3.127	ND	74	40-140	7	50	
Docosane (C22)	3.08	0.32	mg/kg dry	3.127	ND	98	40-140	11	50	
Dodecane (C12)	2.39	0.32	mg/kg dry	3.127	ND	76	40-140	7	50	
Eicosane (C20)	3.15	0.32	mg/kg dry	3.127	ND	101	40-140	10	50	

ESS Laboratory

Division of Thielsch Engineering, Inc.

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Client Name: TK&K Services
Client Project ID: Newport OFFTA

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82501 - 3546										
Hexacosane (C26)	3.48	0.32	mg/kg dry	3.127	ND	111	40-140	5	50	
Hexadecane (C16)	2.87	0.32	mg/kg dry	3.127	ND	92	40-140	14	50	
Nonadecane (C19)	2.83	0.32	mg/kg dry	3.127	0.275	82	40-140	9	50	
Octacosane (C28)	3.68	0.32	mg/kg dry	3.127	0.548	100	40-140	6	50	
Octadecane (C18)	3.01	0.32	mg/kg dry	3.127	ND	96	40-140	11	50	
Tetracosane (C24)	3.43	0.32	mg/kg dry	3.127	0.274	101	40-140	9	50	
Tetradecane (C14)	2.59	0.32	mg/kg dry	3.127	ND	83	40-140	13	50	
Surrogate: O-Terphenyl	*4.95*		mg/kg dry	*6.254*		*79*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0243*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0248*		mg/kg wet	*0.02500*		*99*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0263*		mg/kg wet	*0.02500*		*105*	*30-150*			
LCS										
Aroclor 1016	0.486	0.0500	mg/kg wet	0.5000		97	40-140			
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140			
Surrogate: Decachlorobiphenyl	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0271*		mg/kg wet	*0.02500*		*109*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0229*		mg/kg wet	*0.02500*		*92*	*30-150*			
LCS Dup										
Aroclor 1016	0.531	0.0500	mg/kg wet	0.5000		106	40-140	9	50	
Aroclor 1260	0.484	0.0500	mg/kg wet	0.5000		97	40-140	0.08	50	
Surrogate: Decachlorobiphenyl	*0.0223*		mg/kg wet	*0.02500*		*89*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0219*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0179*		mg/kg wet	*0.02500*		*72*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0280*		mg/kg wet	*0.02500*		*112*	*30-150*			
Matrix Spike **Source: 0801299-06**										
Aroclor 1016	0.631	0.0635	mg/kg dry	0.6347	ND	99	40-140			
Aroclor 1260	0.574	0.0635	mg/kg dry	0.6347	ND	90	40-140			

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA82913 - 3541										
Surrogate: Decachlorobiphenyl	*0.0368*		mg/kg dry	*0.03173*		*116*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0248*		mg/kg dry	*0.03173*		*78*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0192*		mg/kg dry	*0.03173*		*61*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0232*		mg/kg dry	*0.03173*		*73*	*30-150*			
Matrix Spike Dup Source: 0801299-06										
Aroclor 1016	0.491	0.0628	mg/kg dry	0.6285	ND	78	40-140	25	50	
Aroclor 1260	0.525	0.0628	mg/kg dry	0.6285	ND	84	40-140	9	50	
Surrogate: Decachlorobiphenyl	*0.0270*		mg/kg dry	*0.03142*		*86*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0284*		mg/kg dry	*0.03142*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0216*		mg/kg dry	*0.03142*		*69*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0218*		mg/kg dry	*0.03142*		*69*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3´-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3'-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
R-	Standard Reference Material is biased low.
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
J	Reported between MDL and MRL; Estimated value.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801299

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page 1 of 1

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801299

Electronic Deliverable X Yes ___ No
Format: Excel___ Access___ PDF X Other_____

Co. Name: TK&K Services
Project #:
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address: 32 Neal Gate Street
City: Scituate State: MA Zip: 02066 PO#:
Telephone #: (781) 545-7555 Fax #: Email Address: lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	624 / 8260 VOA	524.2 / 8021 MTBE/BTEX	VPH w/targets / 8015 GRO	8015 DRO / 8100 TPH	EPH 4 Diesel / EPH w/PAHs / EPH w/o PAHs	608 PCB / 608 Pesticides / 8082 PCB / 8081 Pesticides	PAH 8270 / 625 / 8270 SVOA	PP13 TAL23 / RCRA8 / RCRA5	NBC7 / TCLP-RCRA8	MCP-METALS (13) w/Hg / MCP-METALS (13)					
1	~~1/24/08 0900~~	0900	X		S	OFFTA-WC04	1	1	G				✓											
2		1130	X		S	OFFTA-B1-B4	↓	↓	↓				↓											
3					S	B1-4D																		
4					S	B2-BØ																		
5	1/24/08	0900	X		S	OFFTA-WC05	1/6	5	G	✓			✓		✓	✓	✓							
6	↓	↓	X		S	OFFTA-WC06	1/6	5	G	✓			✓		✓	✓	✓							
				JTD 1-24-08																				

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA ✓
Cooler Temp: 5.1°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____

Sampled by: L. Kahrs

Comments: Probable high levels TPH in sample OFFTA-B2-BØ

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/24/08 1550	Ralph Banks	1/24/08 1550	Ralph Banks	1/24/08 16:35	J. Davis	1-24-08 1635
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801324

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 01, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 25, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801324-01	Soil	OFFTA-B2-B2
0801324-02	Soil	OFFTA-B4
0801324-03	Soil	OFFTA-0F02
0801324-04	Soil	OFFTA-WC07

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA82820-DUP1 **Relative percent difference for duplicate is outside of criteria.**
Mercury

5035/8260B Volatile Organic Compounds / Methanol

BA82826-BS1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82826-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

BA82826-MS1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, 2-Hexanone, Acetone, Hexachlorobutadiene, Tetrachloroethene

BA82826-MSD1 **Matrix Spike recovery is above upper control limit.**
2-Butanone, Acetone, Hexachlorobutadiene, Tetrachloroethene

8015M Diesel Range Organics

0801324-03 **Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).**

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B2
Date Sampled: 01/25/08 14:00
Percent Solids: 85
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**76.6**	mg/kg dry	44.1		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B4
Date Sampled: 01/25/08 14:00
Percent Solids: 69
Initial Volume: 19.6
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2310**	mg/kg dry	55.5		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*76 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-0F02
Date Sampled: 01/25/08 14:00
Percent Solids: 88
Initial Volume: 19.9
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/26/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**3070**	mg/kg dry	42.8		1	01/28/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*17 %*	*SM*	*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.4	6010B	7	1	JP	01/28/08	1.85	100
Barium	**155**	mg/kg dry	3.4	6010B	5500	1	JP	01/28/08	1.85	100
Cadmium	**3.63**	mg/kg dry	0.69	6010B	39	1	JP	01/28/08	1.85	100
Chromium	**37.9**	mg/kg dry	1.4	6010B	1400	1	JP	01/28/08	1.85	100
Lead	**2310**	mg/kg dry	68.5	6010B	150	10	JP	01/29/08	1.85	100
Mercury	**0.692**	mg/kg dry	0.193	7471A	23	5	KAB	01/29/08	0.65	40
Selenium	ND	mg/kg dry	6.8	6010B	390	1	JP	01/28/08	1.85	100
Silver	**3.62**	mg/kg dry	0.69	6010B	200	1	JP	01/28/08	1.85	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.0958	0.0316	2.2	1	01/28/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0479	0.0124	540	1	01/28/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0479	0.0144	1.3	1	01/28/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0479	0.0153	3.6	1	01/28/08
1,1-Dichloroethane		ND	mg/kg dry	0.0479	0.0134	920	1	01/28/08
1,1-Dichloroethene		ND	mg/kg dry	0.0479	0.0115	0.2	1	01/28/08
1,1-Dichloropropene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0479	0.0105	96	1	01/28/08
1,2,4-Trimethylbenzene	J	**0.0239**	mg/kg dry	0.0479	0.0115		1	01/28/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.287	0.0958	0.5	1	01/28/08
1,2-Dibromoethane		ND	mg/kg dry	0.0479	0.0105	0.01	1	01/28/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0105	510	1	01/28/08
1,2-Dichloroethane		ND	mg/kg dry	0.0479	0.0105	0.9	1	01/28/08
1,2-Dichloropropane		ND	mg/kg dry	0.0479	0.0134	1.9	1	01/28/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0115	430	1	01/28/08
1,3-Dichloropropane		ND	mg/kg dry	0.0479	0.0096		1	01/28/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0479	0.0124	27	1	01/28/08
1,4-Dioxane - Screen		ND	mg/kg dry	4.79	2.39		1	01/28/08
1-Chlorohexane		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
2,2-Dichloropropane		ND	mg/kg dry	0.0958	0.0239		1	01/28/08
2-Butanone		ND	mg/kg dry	1.20	0.239	10000	1	01/28/08
2-Chlorotoluene		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
2-Hexanone		ND	mg/kg dry	0.479	0.0670		1	01/28/08
4-Chlorotoluene		ND	mg/kg dry	0.0479	0.0115		1	01/28/08
4-Isopropyltoluene		ND	mg/kg dry	0.0479	0.0124		1	01/28/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.479	0.0670	1200	1	01/28/08
Acetone		ND	mg/kg dry	1.20	0.383	7800	1	01/28/08
Benzene		ND	mg/kg dry	0.0479	0.0144	2.5	1	01/28/08
Bromobenzene		ND	mg/kg dry	0.0479	0.0105		1	01/28/08
Bromochloromethane		ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Bromodichloromethane		ND	mg/kg dry	0.0479	0.0134	10	1	01/28/08
Bromoform		ND	mg/kg dry	0.0479	0.0153	81	1	01/28/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.0958	0.0239	0.8	1	01/28/08
Carbon Disulfide	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Carbon Tetrachloride	ND	mg/kg dry	0.0479	0.0134	1.5	1	01/28/08
Chlorobenzene	ND	mg/kg dry	0.0479	0.0105	210	1	01/28/08
Chloroethane	ND	mg/kg dry	0.0958	0.0316		1	01/28/08
Chloroform	ND	mg/kg dry	0.0479	0.0115	1.2	1	01/28/08
Chloromethane	ND	mg/kg dry	0.0958	0.0153		1	01/28/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0479	0.0144	630	1	01/28/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0479	0.0105		1	01/28/08
Dibromochloromethane	ND	mg/kg dry	0.0479	0.0096	7.6	1	01/28/08
Dibromomethane	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Diethyl Ether	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Di-isopropyl ether	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0479	0.0096		1	01/28/08
Ethylbenzene	ND	mg/kg dry	0.0479	0.0115	71	1	01/28/08
Hexachlorobutadiene	ND	mg/kg dry	0.0479	0.0153	8.2	1	01/28/08
Isopropylbenzene	ND	mg/kg dry	0.0479	0.0105	27	1	01/28/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0479	0.0115	390	1	01/28/08
Methylene Chloride	ND	mg/kg dry	0.239	0.0192	45	1	01/28/08
Naphthalene	**0.386**	mg/kg dry	0.0479	0.0144	54	1	01/28/08
n-Butylbenzene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
n-Propylbenzene	ND	mg/kg dry	0.0479	0.0124		1	01/28/08
sec-Butylbenzene	ND	mg/kg dry	0.0479	0.0124		1	01/28/08
Styrene	ND	mg/kg dry	0.0479	0.0124	13	1	01/28/08
tert-Butylbenzene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0479	0.0144		1	01/28/08
Tetrachloroethene	ND	mg/kg dry	0.0479	0.0153	12	1	01/28/08
Tetrahydrofuran	ND	mg/kg dry	0.479	0.124		1	01/28/08
Toluene	ND	mg/kg dry	0.0479	0.0134	190	1	01/28/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0479	0.0153	1100	1	01/28/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0479	0.0115		1	01/28/08
Trichloroethene	ND	mg/kg dry	0.0479	0.0115	13	1	01/28/08
Trichlorofluoromethane	ND	mg/kg dry	0.0479	0.0134		1	01/28/08
Vinyl Acetate	ND	mg/kg dry	0.239	0.0192		1	01/28/08
Vinyl Chloride	ND	mg/kg dry	0.0479	0.0115	0.02	1	01/28/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 18.3
Final Volume: 10
Extraction Method: 5035

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0479	0.0096	110	1	01/28/08
Xylene P,M	ND	mg/kg dry	0.0958	0.0239	110	1	01/28/08
Xylenes (Total)	ND	mg/kg dry	0.144		110	1	01/28/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*108 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*103 %*		*70-130*
Surrogate: Dibromofluoromethane	*115 %*		*70-130*
Surrogate: Toluene-d8	*104 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 20
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**166**	mg/kg dry	47.5		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 20
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1221	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1232	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1242	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1248	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1254	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1260	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1262	ND	mg/kg dry	0.0633	10	1	02/01/08
Aroclor 1268	ND	mg/kg dry	0.0633	10	1	02/01/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*95 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*126 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*71 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*79 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	ND	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**1.37**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	**1.21**	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	**1.13**	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	**0.426**	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	**0.784**	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	**1.46**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	**0.266**	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	**2.62**	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	**0.489**	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	**1.55**	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC07
Date Sampled: 01/24/08 14:00
Percent Solids: 79
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801324
ESS Laboratory Sample ID: 0801324-04
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	**2.32**	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*53 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*71 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*48 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*64 %*		*30-130*
Surrogate: 2-Fluorophenol	*46 %*		*30-130*
Surrogate: Nitrobenzene-d5	*53 %*		*30-130*
Surrogate: Phenol-d6	*67 %*		*30-130*
Surrogate: p-Terphenyl-d14	*74 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82819 - 3050B										
Blank										
Arsenic	ND	3.3	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	31.4	3.3	mg/kg wet	33.33		94	80-120			
Barium	32.8	3.3	mg/kg wet	33.33		98	80-120			
Cadmium	15.4	0.67	mg/kg wet	16.67		93	80-120			
Chromium	33.1	1.3	mg/kg wet	33.33		99	80-120			
Lead	33.5	6.7	mg/kg wet	33.33		100	80-120			
Selenium	61.0	6.7	mg/kg wet	66.67		91	80-120			
Silver	16.1	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup										
Arsenic	30.2	3.3	mg/kg wet	33.33		91	80-120	4	20	
Barium	32.3	3.3	mg/kg wet	33.33		97	80-120	2	20	
Cadmium	15.2	0.67	mg/kg wet	16.67		91	80-120	2	20	
Chromium	32.6	1.3	mg/kg wet	33.33		98	80-120	2	20	
Lead	32.8	6.7	mg/kg wet	33.33		98	80-120	2	20	
Selenium	58.7	6.7	mg/kg wet	66.67		88	80-120	4	20	
Silver	15.8	0.67	mg/kg wet	16.67		95	80-120	2	20	
Reference										
Arsenic	79.5	5.0	mg/kg wet	88.80		89	80.86-119.37			
Barium	414	5.0	mg/kg wet	427.0		97	82.67-117.33			
Cadmium	58.4	1.00	mg/kg wet	63.00		93	82.06-117.94			
Chromium	91.9	2.0	mg/kg wet	97.90		94	78.86-120.53			
Lead	87.9	10.0	mg/kg wet	88.90		99	81.78-118.11			
Selenium	144	10.0	mg/kg wet	155.0		93	77.42-122.58			
Silver	80.7	1.00	mg/kg wet	81.60		99	66.3-133.58			
Batch BA82820 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.205	0.033	mg/kg wet	0.2000		103	80-120			
LCS Dup										
Mercury	0.205	0.033	mg/kg wet	0.2000		103	80-120	0.05	20	
Duplicate **Source: 0801324-04**										
Mercury	1.11	0.193	mg/kg dry		0.692			47	35	D+
Matrix Spike **Source: 0801324-04**										
Mercury	0.885	0.190	mg/kg dry	0.2301	0.692	84	75-125			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA82820 - 7471A										
Matrix Spike Dup Source: 0801324-04										
Mercury	0.934	0.193	mg/kg dry	0.2337	0.692	103	75-125	5	35	
Reference										
Mercury	4.62	0.330	mg/kg wet	4.470		103	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*2.49*		mg/kg wet	*2.500*		*100*	*70-130*			
Surrogate: Toluene-d8	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	25.3		ug/L	25.00		101	70-130			
1,1,1-Trichloroethane	26.3		ug/L	25.00		105	70-130			
1,1,2,2-Tetrachloroethane	26.5		ug/L	25.00		106	70-130			
1,1,2-Trichloroethane	26.6		ug/L	25.00		107	70-130			
1,1-Dichloroethane	26.1		ug/L	25.00		104	70-130			
1,1-Dichloroethene	29.1		ug/L	25.00		116	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1,1-Dichloropropene	26.3		ug/L	25.00		105	70-130			
1,2,3-Trichlorobenzene	24.7		ug/L	25.00		99	70-130			
1,2,3-Trichloropropane	27.4		ug/L	25.00		109	70-130			
1,2,4-Trichlorobenzene	26.7		ug/L	25.00		107	70-130			
1,2,4-Trimethylbenzene	26.9		ug/L	25.00		108	70-130			
1,2-Dibromo-3-Chloropropane	29.6		ug/L	25.00		118	70-130			
1,2-Dibromoethane	26.5		ug/L	25.00		106	70-130			
1,2-Dichlorobenzene	25.6		ug/L	25.00		103	70-130			
1,2-Dichloroethane	26.6		ug/L	25.00		106	70-130			
1,2-Dichloropropane	26.3		ug/L	25.00		105	70-130			
1,3,5-Trimethylbenzene	25.3		ug/L	25.00		101	70-130			
1,3-Dichlorobenzene	25.4		ug/L	25.00		102	70-130			
1,3-Dichloropropane	26.4		ug/L	25.00		106	70-130			
1,4-Dichlorobenzene	25.0		ug/L	25.00		100	70-130			
1,4-Dioxane - Screen	1060		ug/L	500.0		212	44-241			
1-Chlorohexane	24.8		ug/L	25.00		99	70-130			
2,2-Dichloropropane	25.4		ug/L	25.00		101	70-130			
2-Butanone	182		ug/L	125.0		146	70-130			B+
2-Chlorotoluene	24.1		ug/L	25.00		96	70-130			
2-Hexanone	162		ug/L	125.0		130	70-130			
4-Chlorotoluene	25.2		ug/L	25.00		101	70-130			
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130			
4-Methyl-2-Pentanone	154		ug/L	125.0		123	70-130			
Acetone	211		ug/L	125.0		169	70-130			B+
Benzene	25.7		ug/L	25.00		103	70-130			
Bromobenzene	25.5		ug/L	25.00		102	70-130			
Bromochloromethane	26.1		ug/L	25.00		104	70-130			
Bromodichloromethane	28.7		ug/L	25.00		115	70-130			
Bromoform	26.5		ug/L	25.00		106	70-130			
Bromomethane	27.7		ug/L	25.00		111	70-130			
Carbon Disulfide	29.1		ug/L	25.00		117	70-130			
Carbon Tetrachloride	26.7		ug/L	25.00		107	70-130			
Chlorobenzene	25.6		ug/L	25.00		102	70-130			
Chloroethane	25.9		ug/L	25.00		103	70-130			
Chloroform	26.1		ug/L	25.00		104	70-130			
Chloromethane	23.3		ug/L	25.00		93	70-130			
cis-1,2-Dichloroethene	28.8		ug/L	25.00		115	70-130			
cis-1,3-Dichloropropene	26.8		ug/L	25.00		107	70-130			
Dibromochloromethane	27.1		ug/L	25.00		108	70-130			
Dibromomethane	26.5		ug/L	25.00		106	70-130			
Dichlorodifluoromethane	21.2		ug/L	25.00		85	70-130			
Diethyl Ether	29.7		ug/L	25.00		119	70-130			
Di-isopropyl ether	27.6		ug/L	25.00		110	70-130			
Ethyl tertiary-butyl ether	27.1		ug/L	25.00		108	70-130			
Ethylbenzene	25.4		ug/L	25.00		101	70-130			
Hexachlorobutadiene	25.5		ug/L	25.00		102	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Isopropylbenzene	22.7		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	28.0		ug/L	25.00		112	70-130			
Methylene Chloride	27.5		ug/L	25.00		110	70-130			
Naphthalene	29.4		ug/L	25.00		118	70-130			
n-Butylbenzene	28.7		ug/L	25.00		115	70-130			
n-Propylbenzene	26.8		ug/L	25.00		107	70-130			
sec-Butylbenzene	25.8		ug/L	25.00		103	70-130			
Styrene	26.1		ug/L	25.00		105	70-130			
tert-Butylbenzene	25.9		ug/L	25.00		104	70-130			
Tertiary-amyl methyl ether	27.8		ug/L	25.00		111	70-130			
Tetrachloroethene	25.1		ug/L	25.00		100	70-130			
Tetrahydrofuran	31.9		ug/L	25.00		127	70-130			
Toluene	26.3		ug/L	25.00		105	70-130			
trans-1,2-Dichloroethene	28.5		ug/L	25.00		114	70-130			
trans-1,3-Dichloropropene	24.9		ug/L	25.00		100	70-130			
Trichloroethene	26.4		ug/L	25.00		106	70-130			
Vinyl Acetate	26.0		ug/L	25.00		104	70-130			
Vinyl Chloride	31.8		ug/L	25.00		127	70-130			
Xylene O	25.4		ug/L	25.00		102	70-130			
Xylene P,M	S1.1		ug/L	50.00		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.45*		mg/kg wet	*2.500*		*98*	*70-130*			
Surrogate: Toluene-d8	*2.36*		mg/kg wet	*2.500*		*94*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.9		ug/L	25.00		100	70-130	2	20	
1,1,1-Trichloroethane	25.6		ug/L	25.00		102	70-130	3	20	
1,1,2,2-Tetrachloroethane	25.9		ug/L	25.00		104	70-130	2	20	
1,1,2-Trichloroethane	26.0		ug/L	25.00		104	70-130	3	20	
1,1-Dichloroethane	25.4		ug/L	25.00		102	70-130	3	20	
1,1-Dichloroethene	27.7		ug/L	25.00		111	70-130	5	20	
1,1-Dichloropropene	25.5		ug/L	25.00		102	70-130	3	20	
1,2,3-Trichlorobenzene	24.8		ug/L	25.00		99	70-130	0.6	20	
1,2,3-Trichloropropane	27.0		ug/L	25.00		108	70-130	1	20	
1,2,4-Trichlorobenzene	26.2		ug/L	25.00		105	70-130	2	20	
1,2,4-Trimethylbenzene	26.1		ug/L	25.00		105	70-130	3	20	
1,2-Dibromo-3-Chloropropane	28.3		ug/L	25.00		113	70-130	4	20	
1,2-Dibromoethane	25.8		ug/L	25.00		103	70-130	3	20	
1,2-Dichlorobenzene	24.8		ug/L	25.00		99	70-130	3	20	
1,2-Dichloroethane	26.0		ug/L	25.00		104	70-130	2	20	
1,2-Dichloropropane	25.7		ug/L	25.00		103	70-130	2	20	
1,3,5-Trimethylbenzene	24.6		ug/L	25.00		98	70-130	3	20	
1,3-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	3	20	
1,3-Dichloropropane	25.5		ug/L	25.00		102	70-130	4	20	
1,4-Dichlorobenzene	24.1		ug/L	25.00		96	70-130	4	20	
1,4-Dioxane - Screen	1170		ug/L	500.0		235	44-241	10	200	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1-Chlorohexane	24.0		ug/L	25.00		96	70-130	3	20	
2,2-Dichloropropane	24.2		ug/L	25.00		97	70-130	5	20	
2-Butanone	185		ug/L	125.0		148	70-130	1	20	B+
2-Chlorotoluene	23.0		ug/L	25.00		92	70-130	5	20	
2-Hexanone	160		ug/L	125.0		128	70-130	1	20	
4-Chlorotoluene	24.6		ug/L	25.00		98	70-130	3	20	
4-Isopropyltoluene	24.3		ug/L	25.00		97	70-130	3	20	
4-Methyl-2-Pentanone	153		ug/L	125.0		123	70-130	0.1	20	
Acetone	204		ug/L	125.0		163	70-130	4	20	B+
Benzene	24.8		ug/L	25.00		99	70-130	4	20	
Bromobenzene	24.8		ug/L	25.00		99	70-130	3	20	
Bromochloromethane	25.1		ug/L	25.00		100	70-130	4	20	
Bromodichloromethane	27.7		ug/L	25.00		111	70-130	4	20	
Bromoform	26.2		ug/L	25.00		105	70-130	1	20	
Bromomethane	27.4		ug/L	25.00		110	70-130	1	20	
Carbon Disulfide	28.0		ug/L	25.00		112	70-130	4	20	
Carbon Tetrachloride	25.7		ug/L	25.00		103	70-130	4	20	
Chlorobenzene	24.9		ug/L	25.00		99	70-130	3	20	
Chloroethane	24.5		ug/L	25.00		98	70-130	5	20	
Chloroform	25.3		ug/L	25.00		101	70-130	3	20	
Chloromethane	22.1		ug/L	25.00		88	70-130	5	20	
cis-1,2-Dichloroethene	28.1		ug/L	25.00		112	70-130	3	20	
cis-1,3-Dichloropropene	26.1		ug/L	25.00		104	70-130	3	20	
Dibromochloromethane	26.5		ug/L	25.00		106	70-130	2	20	
Dibromomethane	26.0		ug/L	25.00		104	70-130	2	20	
Dichlorodifluoromethane	20.0		ug/L	25.00		80	70-130	6	20	
Diethyl Ether	28.9		ug/L	25.00		116	70-130	3	20	
Di-isopropyl ether	26.8		ug/L	25.00		107	70-130	3	20	
Ethyl tertiary-butyl ether	26.5		ug/L	25.00		106	70-130	2	20	
Ethylbenzene	24.5		ug/L	25.00		98	70-130	4	20	
Hexachlorobutadiene	25.2		ug/L	25.00		101	70-130	1	20	
Isopropylbenzene	22.0		ug/L	25.00		88	70-130	3	20	
Methyl tert-Butyl Ether	27.5		ug/L	25.00		110	70-130	2	20	
Methylene Chloride	26.7		ug/L	25.00		107	70-130	3	20	
Naphthalene	28.6		ug/L	25.00		114	70-130	3	20	
n-Butylbenzene	28.1		ug/L	25.00		112	70-130	2	20	
n-Propylbenzene	26.2		ug/L	25.00		105	70-130	2	20	
sec-Butylbenzene	25.0		ug/L	25.00		100	70-130	3	20	
Styrene	25.3		ug/L	25.00		101	70-130	3	20	
tert-Butylbenzene	24.7		ug/L	25.00		99	70-130	5	20	
Tertiary-amyl methyl ether	27.3		ug/L	25.00		109	70-130	2	20	
Tetrachloroethene	26.1		ug/L	25.00		104	70-130	4	20	
Tetrahydrofuran	31.1		ug/L	25.00		124	70-130	3	20	
Toluene	25.6		ug/L	25.00		102	70-130	3	20	
trans-1,2-Dichloroethene	27.5		ug/L	25.00		110	70-130	4	20	
trans-1,3-Dichloropropene	24.4		ug/L	25.00		98	70-130	2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Trichloroethene	25.6		ug/L	25.00		103	70-130	3	20	
Vinyl Acetate	25.2		ug/L	25.00		101	70-130	3	20	
Vinyl Chloride	30.2		ug/L	25.00		121	70-130	5	20	
Xylene O	24.8		ug/L	25.00		99	70-130	2	20	
Xylene P,M	49.1		ug/L	50.00		98	70-130	4	20	
Surrogate: 1,2-Dichloroethane-d4	*2.39*		mg/kg wet	*2.500*		*96*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.47*		mg/kg wet	*2.500*		*99*	*70-130*			
Surrogate: Toluene-d8	*2.37*		mg/kg wet	*2.500*		*95*	*70-130*			
Matrix Spike Source: 0801324-04										
1,1,1,2-Tetrachloroethane	25.0		ug/L	24.94	ND	100	70-130			
1,1,1-Trichloroethane	26.9		ug/L	24.94	ND	108	70-130			
1,1,2,2-Tetrachloroethane	25.6		ug/L	24.94	ND	103	70-130			
1,1,2-Trichloroethane	27.0		ug/L	24.94	ND	108	70-130			
1,1-Dichloroethane	26.0		ug/L	24.94	ND	104	70-130			
1,1-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130			
1,1-Dichloropropene	26.7		ug/L	24.94	ND	107	70-130			
1,2,3-Trichlorobenzene	25.1		ug/L	24.94	ND	101	70-130			
1,2,3-Trichloropropane	27.0		ug/L	24.94	ND	108	70-130			
1,2,4-Trichlorobenzene	26.9		ug/L	24.94	ND	108	70-130			
1,2,4-Trimethylbenzene	26.4		ug/L	24.94	0.230	105	70-130			
1,2-Dibromo-3-Chloropropane	30.5		ug/L	24.94	ND	122	70-130			
1,2-Dibromoethane	27.3		ug/L	24.94	ND	109	70-130			
1,2-Dichlorobenzene	25.3		ug/L	24.94	ND	101	70-130			
1,2-Dichloroethane	27.4		ug/L	24.94	ND	110	70-130			
1,2-Dichloropropane	26.2		ug/L	24.94	ND	105	70-130			
1,3,5-Trimethylbenzene	24.8		ug/L	24.94	ND	100	70-130			
1,3-Dichlorobenzene	24.9		ug/L	24.94	ND	100	70-130			
1,3-Dichloropropane	26.2		ug/L	24.94	ND	105	70-130			
1,4-Dichlorobenzene	24.4		ug/L	24.94	ND	98	70-130			
1,4-Dioxane - Screen	789		ug/L	498.7	ND	158	44-241			
1-Chlorohexane	24.3		ug/L	24.94	ND	97	70-130			
2,2-Dichloropropane	21.6		ug/L	24.94	ND	87	70-130			
2-Butanone	191		ug/L	124.7	ND	153	70-130			M+
2-Chlorotoluene	23.5		ug/L	24.94	ND	94	70-130			
2-Hexanone	163		ug/L	124.7	ND	131	70-130			M+
4-Chlorotoluene	24.6		ug/L	24.94	ND	99	70-130			
4-Isopropyltoluene	25.2		ug/L	24.94	ND	101	70-130			
4-Methyl-2-Pentanone	158		ug/L	124.7	ND	127	70-130			
Acetone	211		ug/L	124.7	3.65	166	70-130			M+
Benzene	25.8		ug/L	24.94	ND	103	70-130			
Bromobenzene	25.4		ug/L	24.94	ND	102	70-130			
Bromochloromethane	27.8		ug/L	24.94	ND	111	70-130			
Bromodichloromethane	28.6		ug/L	24.94	ND	115	70-130			
Bromoform	26.6		ug/L	24.94	ND	107	70-130			
Bromomethane	23.8		ug/L	24.94	ND	96	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Carbon Disulfide	28.4		ug/L	24.94	ND	114	70-130			
Carbon Tetrachloride	27.2		ug/L	24.94	ND	109	70-130			
Chlorobenzene	25.1		ug/L	24.94	ND	101	70-130			
Chloroethane	26.8		ug/L	24.94	ND	107	70-130			
Chloroform	26.3		ug/L	24.94	ND	106	70-130			
Chloromethane	21.2		ug/L	24.94	ND	85	70-130			
cis-1,2-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130			
cis-1,3-Dichloropropene	26.3		ug/L	24.94	ND	106	70-130			
Dibromochloromethane	27.0		ug/L	24.94	ND	108	70-130			
Dibromomethane	27.8		ug/L	24.94	ND	112	70-130			
Dichlorodifluoromethane	21.4		ug/L	24.94	ND	86	70-130			
Diethyl Ether	29.8		ug/L	24.94	ND	119	70-130			
Di-isopropyl ether	27.0		ug/L	24.94	ND	108	70-130			
Ethyl tertiary-butyl ether	27.4		ug/L	24.94	ND	110	70-130			
Ethylbenzene	24.9		ug/L	24.94	ND	100	70-130			
Hexachlorobutadiene	35.6		ug/L	24.94	ND	143	70-130			M+
Isopropylbenzene	22.3		ug/L	24.94	ND	90	70-130			
Methyl tert-Butyl Ether	28.6		ug/L	24.94	ND	115	70-130			
Methylene Chloride	27.5		ug/L	24.94	0.175	110	70-130			
Naphthalene	31.4		ug/L	24.94	3.71	111	70-130			
n-Butylbenzene	30.7		ug/L	24.94	ND	123	70-130			
n-Propylbenzene	26.4		ug/L	24.94	ND	106	70-130			
sec-Butylbenzene	26.0		ug/L	24.94	0.0921	104	70-130			
Styrene	25.7		ug/L	24.94	ND	103	70-130			
tert-Butylbenzene	21.8		ug/L	24.94	ND	88	70-130			
Tertiary-amyl methyl ether	28.2		ug/L	24.94	ND	113	70-130			
Tetrachloroethene	36.8		ug/L	24.94	ND	147	70-130			M+
Tetrahydrofuran	32.4		ug/L	24.94	ND	130	70-130			
Toluene	26.5		ug/L	24.94	ND	106	70-130			
trans-1,2-Dichloroethene	28.7		ug/L	24.94	ND	115	70-130			
trans-1,3-Dichloropropene	24.6		ug/L	24.94	ND	99	70-130			
Trichloroethene	27.5		ug/L	24.94	ND	110	70-130			
Vinyl Acetate	22.9		ug/L	24.94	ND	92	70-130			
Vinyl Chloride	31.7		ug/L	24.94	ND	127	70-130			
Xylene O	25.2		ug/L	24.94	ND	101	70-130			
Xylene P,M	50.0		ug/L	49.87	ND	100	70-130			
Surrogate: 1,2-Dichloroethane-d4	*3.19*		mg/kg dry	*2.594*		*123*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.90*		mg/kg dry	*2.594*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*3.25*		mg/kg dry	*2.594*		*125*	*70-130*			
Surrogate: Toluene-d8	*2.99*		mg/kg dry	*2.594*		*115*	*70-130*			
Matrix Spike Dup Source: 0801324-04										
1,1,1,2-Tetrachloroethane	25.1		ug/L	24.94	ND	101	70-130	0.5	20	
1,1,1-Trichloroethane	26.8		ug/L	24.94	ND	107	70-130	0.5	20	
1,1,2,2-Tetrachloroethane	24.6		ug/L	24.94	ND	99	70-130	4	20	
1,1,2-Trichloroethane	26.2		ug/L	24.94	ND	105	70-130	3	20	
1,1-Dichloroethane	25.8		ug/L	24.94	ND	103	70-130	0.8	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
1,1-Dichloroethene	31.2		ug/L	24.94	ND	125	70-130	7	20	
1,1-Dichloropropene	26.4		ug/L	24.94	ND	106	70-130	1	20	
1,2,3-Trichlorobenzene	24.9		ug/L	24.94	ND	100	70-130	0.8	20	
1,2,3-Trichloropropane	26.1		ug/L	24.94	ND	105	70-130	3	20	
1,2,4-Trichlorobenzene	26.8		ug/L	24.94	ND	108	70-130	0.04	20	
1,2,4-Trimethylbenzene	26.5		ug/L	24.94	0.230	106	70-130	0.4	20	
1,2-Dibromo-3-Chloropropane	29.9		ug/L	24.94	ND	120	70-130	2	20	
1,2-Dibromoethane	26.6		ug/L	24.94	ND	107	70-130	3	20	
1,2-Dichlorobenzene	25.0		ug/L	24.94	ND	100	70-130	1	20	
1,2-Dichloroethane	26.5		ug/L	24.94	ND	106	70-130	3	20	
1,2-Dichloropropane	26.0		ug/L	24.94	ND	104	70-130	0.9	20	
1,3,5-Trimethylbenzene	24.9		ug/L	24.94	ND	100	70-130	0.4	20	
1,3-Dichlorobenzene	24.9		ug/L	24.94	ND	100	70-130	0.2	20	
1,3-Dichloropropane	25.7		ug/L	24.94	ND	103	70-130	2	20	
1,4-Dichlorobenzene	24.3		ug/L	24.94	ND	97	70-130	0.2	20	
1,4-Dioxane - Screen	1140		ug/L	498.7	ND	229	44-241	37	200	
1-Chlorohexane	24.9		ug/L	24.94	ND	100	70-130	2	20	
2,2-Dichloropropane	20.5		ug/L	24.94	ND	82	70-130	5	20	
2-Butanone	181		ug/L	124.7	ND	145	70-130	5	20	M+
2-Chlorotoluene	23.8		ug/L	24.94	ND	96	70-130	2	20	
2-Hexanone	156		ug/L	124.7	ND	125	70-130	4	20	
4-Chlorotoluene	24.5		ug/L	24.94	ND	98	70-130	0.2	20	
4-Isopropyltoluene	25.5		ug/L	24.94	ND	102	70-130	1	20	
4-Methyl-2-Pentanone	151		ug/L	124.7	ND	121	70-130	5	20	
Acetone	219		ug/L	124.7	3.65	173	70-130	4	20	M+
Benzene	25.5		ug/L	24.94	ND	102	70-130	1	20	
Bromobenzene	25.2		ug/L	24.94	ND	101	70-130	1	20	
Bromochloromethane	26.3		ug/L	24.94	ND	105	70-130	5	20	
Bromodichloromethane	28.5		ug/L	24.94	ND	114	70-130	0.4	20	
Bromoform	26.0		ug/L	24.94	ND	104	70-130	2	20	
Bromomethane	26.4		ug/L	24.94	ND	106	70-130	10	20	
Carbon Disulfide	28.7		ug/L	24.94	ND	115	70-130	1	20	
Carbon Tetrachloride	27.1		ug/L	24.94	ND	109	70-130	0.4	20	
Chlorobenzene	25.4		ug/L	24.94	ND	102	70-130	1	20	
Chloroethane	25.7		ug/L	24.94	ND	103	70-130	4	20	
Chloroform	26.2		ug/L	24.94	ND	105	70-130	0.6	20	
Chloromethane	22.3		ug/L	24.94	ND	89	70-130	5	20	
cis-1,2-Dichloroethene	29.0		ug/L	24.94	ND	116	70-130	0.2	20	
cis-1,3-Dichloropropene	25.8		ug/L	24.94	ND	104	70-130	2	20	
Dibromochloromethane	26.6		ug/L	24.94	ND	107	70-130	1	20	
Dibromomethane	26.9		ug/L	24.94	ND	108	70-130	4	20	
Dichlorodifluoromethane	21.2		ug/L	24.94	ND	85	70-130	0.6	20	
Diethyl Ether	29.0		ug/L	24.94	ND	116	70-130	3	20	
Di-isopropyl ether	26.7		ug/L	24.94	ND	107	70-130	1	20	
Ethyl tertiary-butyl ether	26.8		ug/L	24.94	ND	108	70-130	2	20	
Ethylbenzene	24.8		ug/L	24.94	ND	100	70-130	0.2	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

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Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA82826 - 5035										
Hexachlorobutadiene	37.3		ug/L	24.94	ND	150	70-130	5	20	M+
Isopropylbenzene	22.4		ug/L	24.94	ND	90	70-130	0.2	20	
Methyl tert-Butyl Ether	27.7		ug/L	24.94	ND	111	70-130	3	20	
Methylene Chloride	27.3		ug/L	24.94	0.175	109	70-130	0.7	20	
Naphthalene	32.3		ug/L	24.94	3.71	115	70-130	3	20	
n-Butylbenzene	30.4		ug/L	24.94	ND	122	70-130	1	20	
n-Propylbenzene	26.3		ug/L	24.94	ND	105	70-130	0.4	20	
sec-Butylbenzene	26.0		ug/L	24.94	0.0921	104	70-130	0	20	
Styrene	25.8		ug/L	24.94	ND	103	70-130	0.4	20	
tert-Butylbenzene	21.6		ug/L	24.94	ND	86	70-130	1	20	
Tertiary-amyl methyl ether	27.6		ug/L	24.94	ND	111	70-130	2	20	
Tetrachloroethene	37.6		ug/L	24.94	ND	151	70-130	2	20	M+
Tetrahydrofuran	30.7		ug/L	24.94	ND	123	70-130	5	20	
Toluene	26.6		ug/L	24.94	ND	107	70-130	0.7	20	
trans-1,2-Dichloroethene	28.6		ug/L	24.94	ND	115	70-130	0.5	20	
trans-1,3-Dichloropropene	23.9		ug/L	24.94	ND	96	70-130	3	20	
Trichloroethene	27.4		ug/L	24.94	ND	110	70-130	0.3	20	
Vinyl Acetate	22.1		ug/L	24.94	ND	89	70-130	4	20	
Vinyl Chloride	30.9		ug/L	24.94	ND	124	70-130	3	20	
Xylene O	25.2		ug/L	24.94	ND	101	70-130	0.08	20	
Xylene P,M	50.1		ug/L	49.87	ND	100	70-130	0.2	20	
Surrogate: 1,2-Dichloroethane-d4	*3.15*		mg/kg dry	*2.594*		*121*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.87*		mg/kg dry	*2.594*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*3.23*		mg/kg dry	*2.594*		*124*	*70-130*			
Surrogate: Toluene-d8	*2.98*		mg/kg dry	*2.594*		*115*	*70-130*			
8015M Diesel Range Organics										
Batch BA82601 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.85*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.03	0.26	mg/kg wet	2.500		81	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82601 - 3541										
Docosane (C22)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.23	0.26	mg/kg wet	2.500		89	40-140			
Eicosane (C20)	2.42	0.26	mg/kg wet	2.500		97	40-140			
Hexacosane (C26)	2.44	0.26	mg/kg wet	2.500		97	40-140			
Hexadecane (C16)	2.33	0.26	mg/kg wet	2.500		93	40-140			
Nonadecane (C19)	2.49	0.26	mg/kg wet	2.500		100	40-140			
Octacosane (C28)	2.45	0.26	mg/kg wet	2.500		98	40-140			
Octadecane (C18)	2.38	0.26	mg/kg wet	2.500		95	40-140			
Tetracosane (C24)	2.49	0.26	mg/kg wet	2.500		100	40-140			
Tetradecane (C14)	2.30	0.26	mg/kg wet	2.500		92	40-140			
Surrogate: O-Terphenyl	*3.87*		mg/kg wet	*5.000*		*77*	*40-140*			
LCS Dup										
Decane (C10)	2.59	0.26	mg/kg wet	2.500		104	40-140	24	50	
Docosane (C22)	3.18	0.26	mg/kg wet	2.500		127	40-140	26	50	
Dodecane (C12)	2.92	0.26	mg/kg wet	2.500		117	40-140	27	50	
Eicosane (C20)	3.19	0.26	mg/kg wet	2.500		127	40-140	27	50	
Hexacosane (C26)	3.16	0.26	mg/kg wet	2.500		127	40-140	26	50	
Hexadecane (C16)	3.08	0.26	mg/kg wet	2.500		123	40-140	28	50	
Nonadecane (C19)	3.27	0.26	mg/kg wet	2.500		131	40-140	27	50	
Octacosane (C28)	3.17	0.26	mg/kg wet	2.500		127	40-140	26	50	
Octadecane (C18)	3.14	0.26	mg/kg wet	2.500		125	40-140	27	50	
Tetracosane (C24)	3.23	0.26	mg/kg wet	2.500		129	40-140	26	50	
Tetradecane (C14)	3.04	0.26	mg/kg wet	2.500		121	40-140	28	50	
Surrogate: O-Terphenyl	*4.98*		mg/kg wet	*5.000*		*100*	*40-140*			
Batch BA82917 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Docosane (C22)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Dodecane (C12)	2.80	0.26	mg/kg wet	2.500		112	40-140			

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Eicosane (C20)	3.39	0.26	mg/kg wet	2.500		136	40-140			
Hexacosane (C26)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Hexadecane (C16)	3.06	0.26	mg/kg wet	2.500		122	40-140			
Nonadecane (C19)	3.40	0.26	mg/kg wet	2.500		136	40-140			
Octacosane (C28)	3.45	0.26	mg/kg wet	2.500		138	40-140			
Octadecane (C18)	3.24	0.26	mg/kg wet	2.500		129	40-140			
Tetracosane (C24)	3.51	0.26	mg/kg wet	2.500		140	40-140			
Tetradecane (C14)	2.93	0.26	mg/kg wet	2.500		117	40-140			
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.41	0.26	mg/kg wet	2.500		96	40-140	2	50	
Docosane (C22)	3.10	0.26	mg/kg wet	2.500		124	40-140	10	50	
Dodecane (C12)	2.72	0.26	mg/kg wet	2.500		109	40-140	3	50	
Eicosane (C20)	3.10	0.26	mg/kg wet	2.500		124	40-140	9	50	
Hexacosane (C26)	3.08	0.26	mg/kg wet	2.500		123	40-140	11	50	
Hexadecane (C16)	2.94	0.26	mg/kg wet	2.500		118	40-140	4	50	
Nonadecane (C19)	3.17	0.26	mg/kg wet	2.500		127	40-140	7	50	
Octacosane (C28)	3.09	0.26	mg/kg wet	2.500		124	40-140	11	50	
Octadecane (C18)	3.06	0.26	mg/kg wet	2.500		122	40-140	6	50	
Tetracosane (C24)	3.15	0.26	mg/kg wet	2.500		126	40-140	11	50	
Tetradecane (C14)	2.83	0.26	mg/kg wet	2.500		113	40-140	3	50	
Surrogate: O-Terphenyl	*4.49*		mg/kg wet	*5.000*		*90*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0218*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0204*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0226*		mg/kg wet	*0.02500*		*90*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.451	0.0500	mg/kg wet	0.5000		90	40-140			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Surrogate: Decachlorobiphenyl	*0.0236*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0244*		mg/kg wet	*0.02500*		*98*	*30-150*			
LCS Dup										
Aroclor 1016	0.442	0.0500	mg/kg wet	0.5000		88	40-140	3	50	
Aroclor 1260	0.443	0.0500	mg/kg wet	0.5000		89	40-140	2	50	
Surrogate: Decachlorobiphenyl	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0231*		mg/kg wet	*0.02500*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3´-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3´-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

Notes and Definitions

U	Analyte included in the analysis, but not detected
SM	Surrogate recovery(ies) outside of criteria due to matrix (UCM/coelution is present).
Q	Calibration required quadratic regression.
M+	Matrix Spike recovery is above upper control limit.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801324

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Elizabeth Ouk

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Tuesday, January 29, 2008 2:55 PM
To: Elizabeth Ouk
Subject: RE: Samples Received 1/25/08
Attachments: image001.jpg

Liz,

Please make the changes as noted – we are in agreement.

All waste characterization samples should be run for TPH, PCBs, VOCs, SVOCs and metals (8).

Thanks,

Larry

TK&K SERVICES
Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Elizabeth Ouk [mailto:EOuk@thielsch.com]
Sent: Tuesday, January 29, 2008 9:36 AM
To: Lawrence Kahrs
Subject: Samples Received 1/25/08

Hi Larry,

Please see attached chain of custody and revised to indicate VOC BTEX/MTBE is not needed for sample OFFTA-WC07, but instead you would like us to run TPH (DRO) on this sample.

Thank you,

Elizabeth Ouk
ESS Laboratory
Tel. (401) 461-7181
Fax (401) 461-4486

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 days
If faster than 5 days, prior approval by laboratory is required # ___
State where samples were collected from: MA (RI) CT NH NJ NY ME Other ___
Is this project for any of the following: MA-MCP (Navy) USACE Other ___

Reporting Limits

ESS LAB PROJECT ID: 0801324

Electronic Deliverable ✓ Yes ___ No
Format: Excel ___ Access ___ PDF ✓ Other ___

Co. Name	Project #	Project Name (20 Char. or less)
Tk & K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 664-0086		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	524.2	VPH w/targets	EPH 4 Diesel	608 PCB	PAH 8270	TAL23	NBC7	MCP-METALS (13) w/Hg					
										624	8015 DRO	8100 TPH	608 Pesticides	625	PP13	TCLP-RCRA8	MCP-METALS (13)					
										8260 VOA	8021 MTBE/BTEX	EPH w/PAHs	8082 PCB	8270 SVOA	RCRA8	RCRA5						
												EPH w/o PAHs	8081 Pesticides									
1	1/25/08	1400	X			OFFTA-B2-B2	1	1	G		~~X~~	X										
2	↓	↓	X			-B4	1	1	G		~~X~~	X										
3			X			↓ -OFB2	1	1	G		~~X~~	X										
4	↓	↓	X			OFFTA-WCB7	1/6	5	G	X	X		X	X	X							

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 2-1°C

Internal Use Only
[ ] Pickup
[ ] Technicians ___

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- ___
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/25/08 1550	[signature]	1/25/08 1550	[signature]	1/25/08 16:27	[signature]	1-25-08 1627
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801349

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 05, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 29, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801349-01	Soil	OFFTA-B2-S4A
0801349-02	Soil	OFFTA-B2-B4A
0801349-03	Soil	OFFTA-WC08

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

PROJECT NARRATIVE

3050B/6000/7000 Total Metals

BA83015-DUP1 **Relative percent difference for duplicate is outside of criteria.**
Barium, Chromium, Lead

BA83015-MS1 **Matrix Spike recovery is below lower control limit.**
Barium, Cadmium, Chromium, Lead

5035/8260B Volatile Organic Compounds / Methanol

BA83116-BSD1 **Blank Spike recovery is above upper control limit.**
2-Butanone, Acetone

8270C Semi-Volatile Organic Compounds

BA82916-BS1 **Blank Spike recovery is below lower control limit.**
1,1-Biphenyl, Benzoic Acid, Pyridine

BA82916-BSD1 **Blank Spike recovery is below lower control limit.**
Benzoic Acid, Pyridine

BRA0238-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Pentachlorophenol, Phenol

BRA0238-CCV1 **Continuing Calibration recovery is below lower control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-S4A
Date Sampled: 01/29/08 12:00
Percent Solids: 69
Initial Volume: 20.5
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-01
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2330**	mg/kg dry	53.0		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-B2-B4A
Date Sampled: 01/29/08 12:00
Percent Solids: 72
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-02
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**659**	mg/kg dry	51.8		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	**23.3**	mg/kg dry	5.40	7060A	7	15	SVD	02/02/08	1.81	100
Barium	**208**	mg/kg dry	3.6	6010B	5500	1	JP	01/30/08	1.81	100
Cadmium	**6.86**	mg/kg dry	0.73	6010B	39	1	JP	01/30/08	1.81	100
Chromium	**68.9**	mg/kg dry	1.5	6010B	1400	1	JP	01/30/08	1.81	100
Lead	**4770**	mg/kg dry	145	6010B	150	20	JP	01/31/08	1.81	100
Mercury	**2.22**	mg/kg dry	0.434	7471A	23	10	KAB	02/02/08	0.6	40
Selenium	ND	mg/kg dry	7.3	6010B	390	1	JP	01/30/08	1.81	100
Silver	**1.93**	mg/kg dry	0.73	6010B	200	1	JP	01/30/08	1.81	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.161	0.0533	2.2	1	01/31/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0807	0.0210	540	1	01/31/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0807	0.0242	1.3	1	01/31/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0807	0.0258	3.6	1	01/31/08
1,1-Dichloroethane		ND	mg/kg dry	0.0807	0.0226	920	1	01/31/08
1,1-Dichloroethene		ND	mg/kg dry	0.0807	0.0194	0.2	1	01/31/08
1,1-Dichloropropene		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0807	0.0178	96	1	01/31/08
1,2,4-Trimethylbenzene		**0.124**	mg/kg dry	0.0807	0.0194		1	01/31/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.484	0.161	0.5	1	01/31/08
1,2-Dibromoethane		ND	mg/kg dry	0.0807	0.0178	0.01	1	01/31/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0178	510	1	01/31/08
1,2-Dichloroethane		ND	mg/kg dry	0.0807	0.0178	0.9	1	01/31/08
1,2-Dichloropropane		ND	mg/kg dry	0.0807	0.0226	1.9	1	01/31/08
1,3,5-Trimethylbenzene	J	**0.0274**	mg/kg dry	0.0807	0.0210		1	01/31/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0194	430	1	01/31/08
1,3-Dichloropropane		ND	mg/kg dry	0.0807	0.0161		1	01/31/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0807	0.0210	27	1	01/31/08
1,4-Dioxane - Screen		ND	mg/kg dry	8.07	4.04		1	01/31/08
1-Chlorohexane		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
2,2-Dichloropropane		ND	mg/kg dry	0.161	0.0404		1	01/31/08
2-Butanone		ND	mg/kg dry	2.02	0.404	10000	1	01/31/08
2-Chlorotoluene		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
2-Hexanone		ND	mg/kg dry	0.807	0.113		1	01/31/08
4-Chlorotoluene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
4-Isopropyltoluene		ND	mg/kg dry	0.0807	0.0210		1	01/31/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.807	0.113	1200	1	01/31/08
Acetone		ND	mg/kg dry	2.02	0.646	7800	1	01/31/08
Benzene		ND	mg/kg dry	0.0807	0.0242	2.5	1	01/31/08
Bromobenzene		ND	mg/kg dry	0.0807	0.0178		1	01/31/08
Bromochloromethane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Bromodichloromethane		ND	mg/kg dry	0.0807	0.0226	10	1	01/31/08
Bromoform		ND	mg/kg dry	0.0807	0.0258	81	1	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.161	0.0404	0.8	1	01/31/08
Carbon Disulfide		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Carbon Tetrachloride		ND	mg/kg dry	0.0807	0.0226	1.5	1	01/31/08
Chlorobenzene		ND	mg/kg dry	0.0807	0.0178	210	1	01/31/08
Chloroethane		ND	mg/kg dry	0.161	0.0533		1	01/31/08
Chloroform		ND	mg/kg dry	0.0807	0.0194	1.2	1	01/31/08
Chloromethane		ND	mg/kg dry	0.161	0.0258		1	01/31/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0807	0.0242	630	1	01/31/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0807	0.0178		1	01/31/08
Dibromochloromethane		ND	mg/kg dry	0.0807	0.0161	7.6	1	01/31/08
Dibromomethane		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Diethyl Ether		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Di-isopropyl ether		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0807	0.0161		1	01/31/08
Ethylbenzene	J	**0.0420**	mg/kg dry	0.0807	0.0194	71	1	01/31/08
Hexachlorobutadiene		ND	mg/kg dry	0.0807	0.0258	8.2	1	01/31/08
Isopropylbenzene	J	**0.0355**	mg/kg dry	0.0807	0.0178	27	1	01/31/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0807	0.0194	390	1	01/31/08
Methylene Chloride		ND	mg/kg dry	0.404	0.0323	45	1	01/31/08
Naphthalene		**0.915**	mg/kg dry	0.0807	0.0242	54	1	01/31/08
n-Butylbenzene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
n-Propylbenzene		**0.0920**	mg/kg dry	0.0807	0.0210		1	01/31/08
sec-Butylbenzene		**0.102**	mg/kg dry	0.0807	0.0210		1	01/31/08
Styrene		ND	mg/kg dry	0.0807	0.0210	13	1	01/31/08
tert-Butylbenzene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0807	0.0242		1	01/31/08
Tetrachloroethene		ND	mg/kg dry	0.0807	0.0258	12	1	01/31/08
Tetrahydrofuran		ND	mg/kg dry	0.807	0.210		1	01/31/08
Toluene		ND	mg/kg dry	0.0807	0.0226	190	1	01/31/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0807	0.0258	1100	1	01/31/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0807	0.0194		1	01/31/08
Trichloroethene		ND	mg/kg dry	0.0807	0.0194	13	1	01/31/08
Trichlorofluoromethane		ND	mg/kg dry	0.0807	0.0226		1	01/31/08
Vinyl Acetate		ND	mg/kg dry	0.404	0.0323		1	01/31/08
Vinyl Chloride		ND	mg/kg dry	0.0807	0.0194	0.02	1	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.2
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0807	0.0161	110	1	01/31/08
Xylene P,M	ND	mg/kg dry	0.161	0.0404	110	1	01/31/08
Xylenes (Total)	ND	mg/kg dry	0.242		110	1	01/31/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*104 %*		*70-130*
Surrogate: Dibromofluoromethane	*107 %*		*70-130*
Surrogate: Toluene-d8	*101 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**2320**	mg/kg dry	48.6		1	01/29/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*79 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 20.2
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1221	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1232	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1242	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1248	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1254	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1260	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1262	ND	mg/kg dry	0.0651	10	1	02/01/08
Aroclor 1268	ND	mg/kg dry	0.0651	10	1	02/01/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*84 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*89 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*61 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*67 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.413	0.8	1	01/30/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.413	96	1	01/30/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.413	510	1	01/30/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.413	430	1	01/30/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.413	27	1	01/30/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.07		1	01/30/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.413	330	1	01/30/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.413	58	1	01/30/08
2,4-Dichlorophenol	ND	mg/kg dry	0.413	30	1	01/30/08
2,4-Dimethylphenol	ND	mg/kg dry	0.413	1400	1	01/30/08
2,4-Dinitrophenol	ND	mg/kg dry	2.07	160	1	01/30/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.413	0.9	1	01/30/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.413		1	01/30/08
2-Chloronaphthalene	ND	mg/kg dry	0.413		1	01/30/08
2-Chlorophenol	ND	mg/kg dry	0.413	50	1	01/30/08
2-Methylnaphthalene	ND	mg/kg dry	0.413	123	1	01/30/08
2-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
2-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
2-Nitrophenol	ND	mg/kg dry	0.413		1	01/30/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.828	1.4	1	01/30/08
3+4-Methylphenol	ND	mg/kg dry	0.828		1	01/30/08
3-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.07		1	01/30/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.413		1	01/30/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.413		1	01/30/08
4-Chloroaniline	ND	mg/kg dry	0.828	310	1	01/30/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.413		1	01/30/08
4-Nitroaniline	ND	mg/kg dry	0.413		1	01/30/08
4-Nitrophenol	ND	mg/kg dry	2.07		1	01/30/08
Acenaphthene	ND	mg/kg dry	0.413	43	1	01/30/08
Acenaphthylene	ND	mg/kg dry	0.413	23	1	01/30/08
Acetophenone	ND	mg/kg dry	0.828		1	01/30/08
Aniline	ND	mg/kg dry	2.07		1	01/30/08
Anthracene	ND	mg/kg dry	0.413	35	1	01/30/08
Azobenzene	ND	mg/kg dry	0.413		1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: *01/29/08 12:00*
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(a)pyrene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Benzo(b)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.413	0.8	1	01/30/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Benzoic Acid	ND	mg/kg dry	2.07		1	01/30/08
Benzyl Alcohol	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.413		1	01/30/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.413	0.6	1	01/30/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.413	9.1	1	01/30/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.413	46	1	01/30/08
Butylbenzylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Carbazole	ND	mg/kg dry	0.413		1	01/30/08
Chrysene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Dibenzofuran	ND	mg/kg dry	0.413		1	01/30/08
Diethylphthalate	ND	mg/kg dry	0.413	340	1	01/30/08
Dimethylphthalate	ND	mg/kg dry	0.413	1900	1	01/30/08
Di-n-butylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Di-n-octylphthalate	ND	mg/kg dry	0.413		1	01/30/08
Fluoranthene	ND	mg/kg dry	0.413	20	1	01/30/08
Fluorene	ND	mg/kg dry	0.413	28	1	01/30/08
Hexachlorobenzene	ND	mg/kg dry	0.207	0.4	1	01/30/08
Hexachlorobutadiene	ND	mg/kg dry	0.413	8.2	1	01/30/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.07		1	01/30/08
Hexachloroethane	ND	mg/kg dry	0.413	46	1	01/30/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.413	0.9	1	01/30/08
Isophorone	ND	mg/kg dry	0.413		1	01/30/08
Naphthalene	ND	mg/kg dry	0.413	54	1	01/30/08
Nitrobenzene	ND	mg/kg dry	0.413		1	01/30/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.413		1	01/30/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.413		1	01/30/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.413		1	01/30/08
Pentachlorophenol	ND	mg/kg dry	2.07	5.3	1	01/30/08
Phenanthrene	ND	mg/kg dry	0.413	40	1	01/30/08
Phenol	ND	mg/kg dry	0.413	6000	1	01/30/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC08
Date Sampled: 01/29/08 12:00
Percent Solids: 76
Initial Volume: 15.9
Final Volume: 0.5
Extraction Method: 3546

ESS Laboratory Work Order: 0801349
ESS Laboratory Sample ID: 0801349-03
Sample Matrix: Soil
Analyst: ML
Prepared: 01/29/08

8270C Semi-Volatile Organic Compounds

Pyrene	ND	mg/kg dry	0.413	13	1	01/30/08
Pyridine	ND	mg/kg dry	2.07		1	01/30/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*62 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*70 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*55 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*63 %*		*30-130*
Surrogate: 2-Fluorophenol	*52 %*		*30-130*
Surrogate: Nitrobenzene-d5	*63 %*		*30-130*
Surrogate: Phenol-d6	*72 %*		*30-130*
Surrogate: p-Terphenyl-d14	*75 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA83015 - 3050B										
Blank										
Arsenic	ND	0.33	mg/kg wet							
Barium	ND	3.3	mg/kg wet							
Cadmium	ND	0.67	mg/kg wet							
Chromium	ND	1.3	mg/kg wet							
Lead	ND	6.7	mg/kg wet							
Selenium	ND	6.7	mg/kg wet							
Silver	ND	0.67	mg/kg wet							
LCS										
Arsenic	33.1	6.60	mg/kg wet	33.33		99	80-120			
Barium	33.0	3.3	mg/kg wet	33.33		99	80-120			
Cadmium	15.5	0.67	mg/kg wet	16.67		93	80-120			
Chromium	33.2	1.3	mg/kg wet	33.33		100	80-120			
Lead	33.6	6.7	mg/kg wet	33.33		101	80-120			
Selenium	61.1	6.7	mg/kg wet	66.67		92	80-120			
Silver	16.2	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup										
Arsenic	32.9	6.60	mg/kg wet	33.33		99	80-120	0.6	20	
Barium	32.1	3.3	mg/kg wet	33.33		96	80-120	3	20	
Cadmium	15.0	0.67	mg/kg wet	16.67		90	80-120	4	20	
Chromium	32.3	1.3	mg/kg wet	33.33		97	80-120	3	20	
Lead	32.3	6.7	mg/kg wet	33.33		97	80-120	4	20	
Selenium	59.1	6.7	mg/kg wet	66.67		89	80-120	3	20	
Silver	15.8	0.67	mg/kg wet	16.67		95	80-120	3	20	
Duplicate **Source: 0801349-03**										
Arsenic	23.6	5.46	mg/kg dry		23.3			1	35	
Barium	141	3.7	mg/kg dry		208			39	35	D+
Cadmium	9.21	0.74	mg/kg dry		6.86			29	35	
Chromium	47.2	1.5	mg/kg dry		68.9			38	35	D+
Lead	2990	147	mg/kg dry		4770			46	35	D+
Selenium	4.86	7.4	mg/kg dry		5.59			14	35	
Silver	1.65	0.74	mg/kg dry		1.93			16	35	
Matrix Spike **Source: 0801349-03**										
Arsenic	54.3	7.24	mg/kg dry	36.55	23.3	85	75-125			
Barium	207	3.7	mg/kg dry	36.55	208	NR	75-125			M-
Cadmium	20.1	0.73	mg/kg dry	18.27	6.86	72	75-125			M-
Chromium	56.1	1.5	mg/kg dry	36.55	68.9	NR	75-125			M-
Lead	4260	146	mg/kg dry	36.55	4770	NR	75-125			M-
Selenium	63.4	7.3	mg/kg dry	73.10	5.59	79	75-125			
Silver	17.4	0.73	mg/kg dry	18.27	1.93	84	75-125			
Reference										
Arsenic	97.1	24.8	mg/kg wet	88.80		109	80.86-119.37			
Barium	404	5.0	mg/kg wet	427.0		95	82.67-117.33			
Cadmium	57.0	1.00	mg/kg wet	63.00		91	82.06-117.94			
Chromium	87.2	2.0	mg/kg wet	97.90		89	78.86-120.53			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BA83015 - 3050B										
Lead	85.4	10.0	mg/kg wet	88.90		96	81.78-118.11			
Selenium	144	10.0	mg/kg wet	155.0		93	77.42-122.58			
Silver	76.9	1.00	mg/kg wet	81.60		94	66.3-133.58			
Batch BA83016 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.214	0.033	mg/kg wet	0.2000		107	80-120			
LCS Dup										
Mercury	0.216	0.033	mg/kg wet	0.2000		108	80-120	0.7	20	
Reference										
Mercury	4.23	0.330	mg/kg wet	4.470		95	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.19*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
Surrogate: Dibromofluoromethane	*2.38*		mg/kg wet	*2.500*		*95*	*70-130*			
Surrogate: Toluene-d8	*2.28*		mg/kg wet	*2.500*		*91*	*70-130*			
LCS										
1,1,1,2-Tetrachloroethane	24.2		ug/L	25.00		97	70-130			
1,1,1-Trichloroethane	24.2		ug/L	25.00		97	70-130			
1,1,2,2-Tetrachloroethane	24.7		ug/L	25.00		99	70-130			
1,1,2-Trichloroethane	24.4		ug/L	25.00		98	70-130			
1,1-Dichloroethane	23.4		ug/L	25.00		94	70-130			
1,1-Dichloroethene	26.3		ug/L	25.00		105	70-130			
1,1-Dichloropropene	24.2		ug/L	25.00		97	70-130			
1,2,3-Trichlorobenzene	24.0		ug/L	25.00		96	70-130			
1,2,3-Trichloropropane	22.6		ug/L	25.00		91	70-130			
1,2,4-Trichlorobenzene	25.3		ug/L	25.00		101	70-130			
1,2,4-Trimethylbenzene	25.1		ug/L	25.00		101	70-130			
1,2-Dibromo-3-Chloropropane	26.8		ug/L	25.00		107	70-130			
1,2-Dibromoethane	25.4		ug/L	25.00		101	70-130			
1,2-Dichlorobenzene	24.1		ug/L	25.00		96	70-130			
1,2-Dichloroethane	24.3		ug/L	25.00		97	70-130			
1,2-Dichloropropane	23.9		ug/L	25.00		95	70-130			
1,3,5-Trimethylbenzene	23.7		ug/L	25.00		95	70-130			
1,3-Dichlorobenzene	23.8		ug/L	25.00		95	70-130			
1,3-Dichloropropane	24.8		ug/L	25.00		99	70-130			
1,4-Dichlorobenzene	23.7		ug/L	25.00		95	70-130			
1,4-Dioxane - Screen	604		ug/L	500.0		121	44-241			
1-Chlorohexane	24.2		ug/L	25.00		97	70-130			
2,2-Dichloropropane	23.0		ug/L	25.00		92	70-130			
2-Butanone	162		ug/L	125.0		130	70-130			
2-Chlorotoluene	23.5		ug/L	25.00		94	70-130			
2-Hexanone	149		ug/L	125.0		119	70-130			
4-Chlorotoluene	23.6		ug/L	25.00		94	70-130			
4-Isopropyltoluene	23.5		ug/L	25.00		94	70-130			
4-Methyl-2-Pentanone	141		ug/L	125.0		112	70-130			
Acetone	159		ug/L	125.0		128	70-130			
Benzene	23.3		ug/L	25.00		93	70-130			
Bromobenzene	24.1		ug/L	25.00		96	70-130			
Bromochloromethane	24.6		ug/L	25.00		98	70-130			
Bromodichloromethane	26.5		ug/L	25.00		106	70-130			
Bromoform	25.6		ug/L	25.00		102	70-130			
Bromomethane	26.2		ug/L	25.00		105	70-130			
Carbon Disulfide	25.0		ug/L	25.00		100	70-130			
Carbon Tetrachloride	25.0		ug/L	25.00		100	70-130			
Chlorobenzene	24.4		ug/L	25.00		98	70-130			
Chloroethane	24.5		ug/L	25.00		98	70-130			
Chloroform	23.6		ug/L	25.00		94	70-130			
Chloromethane	21.0		ug/L	25.00		84	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
cis-1,2-Dichloroethene	26.2		ug/L	25.00		105	70-130			
cis-1,3-Dichloropropene	24.6		ug/L	25.00		99	70-130			
Dibromochloromethane	26.1		ug/L	25.00		105	70-130			
Dibromomethane	24.9		ug/L	25.00		100	70-130			
Dichlorodifluoromethane	22.5		ug/L	25.00		90	70-130			
Diethyl Ether	26.9		ug/L	25.00		108	70-130			
Di-isopropyl ether	23.9		ug/L	25.00		96	70-130			
Ethyl tertiary-butyl ether	24.3		ug/L	25.00		97	70-130			
Ethylbenzene	24.1		ug/L	25.00		97	70-130			
Hexachlorobutadiene	23.0		ug/L	25.00		92	70-130			
Isopropylbenzene	21.4		ug/L	25.00		85	70-130			
Methyl tert-Butyl Ether	25.1		ug/L	25.00		100	70-130			
Methylene Chloride	24.8		ug/L	25.00		99	70-130			
Naphthalene	25.6		ug/L	25.00		102	70-130			
n-Butylbenzene	26.9		ug/L	25.00		108	70-130			
n-Propylbenzene	24.6		ug/L	25.00		99	70-130			
sec-Butylbenzene	24.0		ug/L	25.00		96	70-130			
Styrene	24.7		ug/L	25.00		99	70-130			
tert-Butylbenzene	25.0		ug/L	25.00		100	70-130			
Tertiary-amyl methyl ether	25.1		ug/L	25.00		100	70-130			
Tetrachloroethene	22.5		ug/L	25.00		90	70-130			
Tetrahydrofuran	28.5		ug/L	25.00		114	70-130			
Toluene	24.1		ug/L	25.00		96	70-130			
trans-1,2-Dichloroethene	25.9		ug/L	25.00		104	70-130			
trans-1,3-Dichloropropene	22.9		ug/L	25.00		91	70-130			
Trichloroethene	24.4		ug/L	25.00		97	70-130			
Vinyl Acetate	23.0		ug/L	25.00		92	70-130			
Vinyl Chloride	30.2		ug/L	25.00		121	70-130			
Xylene O	24.3		ug/L	25.00		97	70-130			
Xylene P,M	48.6		ug/L	50.00		97	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.29*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.33*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Toluene-d8	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,1,1-Trichloroethane	25.0		ug/L	25.00		100	70-130	3	20	
1,1,2,2-Tetrachloroethane	24.9		ug/L	25.00		99	70-130	0.8	20	
1,1,2-Trichloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,1-Dichloroethane	24.2		ug/L	25.00		97	70-130	3	20	
1,1-Dichloroethene	27.2		ug/L	25.00		109	70-130	3	20	
1,1-Dichloropropene	24.7		ug/L	25.00		99	70-130	2	20	
1,2,3-Trichlorobenzene	25.4		ug/L	25.00		102	70-130	6	20	
1,2,3-Trichloropropane	23.0		ug/L	25.00		92	70-130	2	20	
1,2,4-Trichlorobenzene	26.3		ug/L	25.00		105	70-130	4	20	
1,2,4-Trimethylbenzene	25.9		ug/L	25.00		103	70-130	3	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
1,2-Dibromo-3-Chloropropane	26.3		ug/L	25.00		105	70-130	2	20	
1,2-Dibromoethane	25.6		ug/L	25.00		102	70-130	0.8	20	
1,2-Dichlorobenzene	24.7		ug/L	25.00		99	70-130	2	20	
1,2-Dichloroethane	24.8		ug/L	25.00		99	70-130	2	20	
1,2-Dichloropropane	24.6		ug/L	25.00		98	70-130	3	20	
1,3,5-Trimethylbenzene	24.4		ug/L	25.00		97	70-130	3	20	
1,3-Dichlorobenzene	24.6		ug/L	25.00		98	70-130	3	20	
1,3-Dichloropropane	25.0		ug/L	25.00		100	70-130	0.6	20	
1,4-Dichlorobenzene	24.2		ug/L	25.00		97	70-130	2	20	
1,4-Dioxane - Screen	1070		ug/L	500.0		214	44-241	56	200	
1-Chlorohexane	24.4		ug/L	25.00		98	70-130	0.9	20	
2,2-Dichloropropane	23.7		ug/L	25.00		95	70-130	3	20	
2-Butanone	164		ug/L	125.0		131	70-130	1	20	B+
2-Chlorotoluene	23.8		ug/L	25.00		95	70-130	1	20	
2-Hexanone	149		ug/L	125.0		119	70-130	0.5	20	
4-Chlorotoluene	24.1		ug/L	25.00		96	70-130	2	20	
4-Isopropyltoluene	24.2		ug/L	25.00		97	70-130	3	20	
4-Methyl-2-Pentanone	142		ug/L	125.0		113	70-130	0.9	20	
Acetone	166		ug/L	125.0		133	70-130	4	20	B+
Benzene	24.0		ug/L	25.00		96	70-130	3	20	
Bromobenzene	24.5		ug/L	25.00		98	70-130	2	20	
Bromochloromethane	24.7		ug/L	25.00		99	70-130	0.4	20	
Bromodichloromethane	27.1		ug/L	25.00		108	70-130	2	20	
Bromoform	25.8		ug/L	25.00		103	70-130	0.9	20	
Bromomethane	27.6		ug/L	25.00		110	70-130	5	20	
Carbon Disulfide	26.5		ug/L	25.00		106	70-130	6	20	
Carbon Tetrachloride	25.9		ug/L	25.00		103	70-130	3	20	
Chlorobenzene	24.8		ug/L	25.00		99	70-130	1	20	
Chloroethane	25.0		ug/L	25.00		100	70-130	2	20	
Chloroform	24.4		ug/L	25.00		98	70-130	4	20	
Chloromethane	22.6		ug/L	25.00		90	70-130	7	20	
cis-1,2-Dichloroethene	27.0		ug/L	25.00		108	70-130	3	20	
cis-1,3-Dichloropropene	25.2		ug/L	25.00		101	70-130	2	20	
Dibromochloromethane	26.5		ug/L	25.00		106	70-130	1	20	
Dibromomethane	25.1		ug/L	25.00		100	70-130	0.8	20	
Dichlorodifluoromethane	23.1		ug/L	25.00		92	70-130	3	20	
Diethyl Ether	27.0		ug/L	25.00		108	70-130	0.4	20	
Di-isopropyl ether	25.0		ug/L	25.00		100	70-130	4	20	
Ethyl tertiary-butyl ether	25.0		ug/L	25.00		100	70-130	3	20	
Ethylbenzene	24.4		ug/L	25.00		97	70-130	0.9	20	
Hexachlorobutadiene	25.2		ug/L	25.00		101	70-130	9	20	
Isopropylbenzene	21.9		ug/L	25.00		88	70-130	3	20	
Methyl tert-Butyl Ether	25.8		ug/L	25.00		103	70-130	3	20	
Methylene Chloride	25.8		ug/L	25.00		103	70-130	4	20	
Naphthalene	27.8		ug/L	25.00		111	70-130	8	20	
n-Butylbenzene	27.9		ug/L	25.00		112	70-130	4	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BA83116 - 5035										
n-Propylbenzene	25.4		ug/L	25.00		102	70-130	3	20	
sec-Butylbenzene	24.7		ug/L	25.00		99	70-130	3	20	
Styrene	25.2		ug/L	25.00		101	70-130	2	20	
tert-Butylbenzene	25.6		ug/L	25.00		102	70-130	2	20	
Tertiary-amyl methyl ether	25.6		ug/L	25.00		102	70-130	2	20	
Tetrachloroethene	23.4		ug/L	25.00		94	70-130	4	20	
Tetrahydrofuran	27.3		ug/L	25.00		109	70-130	4	20	
Toluene	24.9		ug/L	25.00		100	70-130	3	20	
trans-1,2-Dichloroethene	26.8		ug/L	25.00		107	70-130	3	20	
trans-1,3-Dichloropropene	23.2		ug/L	25.00		93	70-130	1	20	
Trichloroethene	24.9		ug/L	25.00		99	70-130	2	20	
Vinyl Acetate	23.3		ug/L	25.00		93	70-130	1	20	
Vinyl Chloride	31.0		ug/L	25.00		124	70-130	3	20	
Xylene O	25.0		ug/L	25.00		100	70-130	3	20	
Xylene P,M	49.3		ug/L	50.00		99	70-130	1	20	
Surrogate: 1,2-Dichloroethane-d4	*2.32*		mg/kg wet	*2.500*		*93*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.34*		mg/kg wet	*2.500*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*2.42*		mg/kg wet	*2.500*		*97*	*70-130*			
Surrogate: Toluene-d8	*2.36*		mg/kg wet	*2.500*		*94*	*70-130*			
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.84*		mg/kg wet	*5.000*		*97*	*40-140*			
LCS										
Decane (C10)	2.47	0.26	mg/kg wet	2.500		99	40-140			
Docosane (C22)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Dodecane (C12)	2.80	0.26	mg/kg wet	2.500		112	40-140			
Eicosane (C20)	3.39	0.26	mg/kg wet	2.500		136	40-140			
Hexacosane (C26)	3.44	0.26	mg/kg wet	2.500		138	40-140			
Hexadecane (C16)	3.06	0.26	mg/kg wet	2.500		122	40-140			
Nonadecane (C19)	3.40	0.26	mg/kg wet	2.500		136	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA82917 - 3546										
Octacosane (C28)	3.45	0.26	mg/kg wet	2.500		138	40-140			
Octadecane (C18)	3.24	0.26	mg/kg wet	2.500		129	40-140			
Tetracosane (C24)	3.51	0.26	mg/kg wet	2.500		140	40-140			
Tetradecane (C14)	2.93	0.26	mg/kg wet	2.500		117	40-140			
Surrogate: O-Terphenyl	*4.88*		mg/kg wet	*5.000*		*98*	*40-140*			
LCS Dup										
Decane (C10)	2.41	0.26	mg/kg wet	2.500		96	40-140	2	50	
Docosane (C22)	3.10	0.26	mg/kg wet	2.500		124	40-140	10	50	
Dodecane (C12)	2.72	0.26	mg/kg wet	2.500		109	40-140	3	50	
Eicosane (C20)	3.10	0.26	mg/kg wet	2.500		124	40-140	9	50	
Hexacosane (C26)	3.08	0.26	mg/kg wet	2.500		123	40-140	11	50	
Hexadecane (C16)	2.94	0.26	mg/kg wet	2.500		118	40-140	4	50	
Nonadecane (C19)	3.17	0.26	mg/kg wet	2.500		127	40-140	7	50	
Octacosane (C28)	3.09	0.26	mg/kg wet	2.500		124	40-140	11	50	
Octadecane (C18)	3.06	0.26	mg/kg wet	2.500		122	40-140	6	50	
Tetracosane (C24)	3.15	0.26	mg/kg wet	2.500		126	40-140	11	50	
Tetradecane (C14)	2.83	0.26	mg/kg wet	2.500		113	40-140	3	50	
Surrogate: O-Terphenyl	*4.49*		mg/kg wet	*5.000*		*90*	*40-140*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0220*		mg/kg wet	*0.02500*		*88*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0218*		mg/kg wet	*0.02500*		*87*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0204*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0226*		mg/kg wet	*0.02500*		*90*	*30-150*			
LCS										
Aroclor 1016	0.455	0.0500	mg/kg wet	0.5000		91	40-140			
Aroclor 1260	0.451	0.0500	mg/kg wet	0.5000		90	40-140			
Surrogate: Decachlorobiphenyl	*0.0236*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0232*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0237*		mg/kg wet	*0.02500*		*95*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0244*		mg/kg wet	*0.02500*		*98*	*30-150*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
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ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BA83023 - 3541										
LCS Dup										
Aroclor 1016	0.442	0.0500	mg/kg wet	0.5000		88	40-140	3	50	
Aroclor 1260	0.443	0.0500	mg/kg wet	0.5000		89	40-140	2	50	
Surrogate: Decachlorobiphenyl	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0231*		mg/kg wet	*0.02500*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0245*		mg/kg wet	*0.02500*		*98*	*30-150*			
Matrix Spike Source: 0801349-03										
Aroclor 1016	0.464	0.0651	mg/kg dry	0.6514	ND	71	40-140			
Aroclor 1260	0.495	0.0651	mg/kg dry	0.6514	ND	76	40-140			
Surrogate: Decachlorobiphenyl	*0.0283*		mg/kg dry	*0.03257*		*87*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0299*		mg/kg dry	*0.03257*		*92*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0207*		mg/kg dry	*0.03257*		*64*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0223*		mg/kg dry	*0.03257*		*68*	*30-150*			
Matrix Spike Dup Source: 0801349-03										
Aroclor 1016	0.347	0.0655	mg/kg dry	0.6546	ND	53	40-140	29	50	
Aroclor 1260	0.372	0.0655	mg/kg dry	0.6546	ND	57	40-140	29	50	
Surrogate: Decachlorobiphenyl	*0.0217*		mg/kg dry	*0.03273*		*66*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0220*		mg/kg dry	*0.03273*		*67*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0145*		mg/kg dry	*0.03273*		*44*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0150*		mg/kg dry	*0.03273*		*46*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3'-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*1.88*		mg/kg wet	*2.500*		*75*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.37*		mg/kg wet	*3.750*		*63*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.25*		mg/kg wet	*3.750*		*60*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.72*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: 2-Fluorophenol	*2.22*		mg/kg wet	*3.750*		*59*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.73*		mg/kg wet	*2.500*		*69*	*30-130*			
Surrogate: Phenol-d6	*3.04*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*1.86*		mg/kg wet	*2.500*		*74*	*30-130*			
LCS										
1,1-Biphenyl	0.954	0.250	mg/kg wet	2.500		38	40-140			B-
1,2,4-Trichlorobenzene	1.63	0.250	mg/kg wet	2.500		65	40-140			
1,2-Dichlorobenzene	1.65	0.250	mg/kg wet	2.500		66	40-140			
1,3-Dichlorobenzene	1.53	0.250	mg/kg wet	2.500		61	40-140			
1,4-Dichlorobenzene	1.57	0.250	mg/kg wet	2.500		63	40-140			
2,3,4,6-Tetrachlorophenol	2.24	1.25	mg/kg wet	2.500		90	30-130			
2,4,5-Trichlorophenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4,6-Trichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130			
2,4-Dichlorophenol	1.77	0.250	mg/kg wet	2.500		71	30-130			
2,4-Dimethylphenol	1.64	0.250	mg/kg wet	2.500		66	30-130			
2,4-Dinitrophenol	2.36	1.25	mg/kg wet	2.500		94	30-130			
2,4-Dinitrotoluene	2.33	0.250	mg/kg wet	2.500		93	40-140			
2,6-Dinitrotoluene	2.11	0.250	mg/kg wet	2.500		85	40-140			
2-Chloronaphthalene	1.55	0.250	mg/kg wet	2.500		62	40-140			
2-Chlorophenol	1.52	0.250	mg/kg wet	2.500		61	30-130			
2-Methylnaphthalene	1.66	0.250	mg/kg wet	2.500		66	40-140			
2-Methylphenol	1.81	0.250	mg/kg wet	2.500		72	30-130			
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140			
2-Nitrophenol	1.67	0.250	mg/kg wet	2.500		67	30-130			
3,3'-Dichlorobenzidine	1.94	0.500	mg/kg wet	2.500		78	40-140			
3+4-Methylphenol	2.60	0.500	mg/kg wet	5.000		52	30-130			
3-Nitroaniline	2.20	0.250	mg/kg wet	2.500		88	40-140			
4,6-Dinitro-2-Methylphenol	2.41	1.25	mg/kg wet	2.500		96	30-130			
4-Bromophenyl-phenylether	1.89	0.250	mg/kg wet	2.500		76	40-140			
4-Chloro-3-Methylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130			
4-Chloroaniline	1.19	0.500	mg/kg wet	2.500		48	40-140			
4-Chloro-phenyl-phenyl ether	2.00	0.250	mg/kg wet	2.500		80	40-140			
4-Nitroaniline	2.30	0.250	mg/kg wet	2.500		92	40-140			

ESS Laboratory

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
4-Nitrophenol	2.19	1.25	mg/kg wet	2.500		88	30-130			
Acenaphthene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Acenaphthylene	1.80	0.250	mg/kg wet	2.500		72	40-140			
Acetophenone	1.80	0.500	mg/kg wet	2.500		72	40-140			
Aniline	1.25	1.25	mg/kg wet	2.500		50	40-140			
Anthracene	2.01	0.250	mg/kg wet	2.500		80	40-140			
Azobenzene	1.84	0.250	mg/kg wet	2.500		74	40-140			
Benzo(a)anthracene	2.31	0.250	mg/kg wet	2.500		92	40-140			
Benzo(a)pyrene	2.11	0.125	mg/kg wet	2.500		84	40-140			
Benzo(b)fluoranthene	2.26	0.250	mg/kg wet	2.500		90	40-140			
Benzo(g,h,i)perylene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Benzo(k)fluoranthene	1.83	0.250	mg/kg wet	2.500		73	40-140			
Benzoic Acid	0.566	1.25	mg/kg wet	2.500		23	40-140			B-
Benzyl Alcohol	1.53	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethoxy)methane	1.52	0.250	mg/kg wet	2.500		61	40-140			
bis(2-Chloroethyl)ether	1.63	0.250	mg/kg wet	2.500		65	40-140			
bis(2-chloroisopropyl)Ether	1.50	0.250	mg/kg wet	2.500		60	40-140			
bis(2-Ethylhexyl)phthalate	2.32	0.250	mg/kg wet	2.500		93	40-140			
Butylbenzylphthalate	2.28	0.250	mg/kg wet	2.500		91	40-140			
Carbazole	2.16	0.250	mg/kg wet	2.500		86	40-140			
Chrysene	2.31	0.125	mg/kg wet	2.500		92	40-140			
Dibenzo(a,h)Anthracene	2.09	0.125	mg/kg wet	2.500		84	40-140			
Dibenzofuran	1.85	0.250	mg/kg wet	2.500		74	40-140			
Diethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.06	0.250	mg/kg wet	2.500		82	40-140			
Di-n-butylphthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Di-n-octylphthalate	2.01	0.250	mg/kg wet	2.500		80	40-140			
Fluoranthene	2.24	0.250	mg/kg wet	2.500		90	40-140			
Fluorene	1.82	0.250	mg/kg wet	2.500		73	40-140			
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140			
Hexachlorobutadiene	1.60	0.250	mg/kg wet	2.500		64	40-140			
Hexachlorocyclopentadiene	1.49	1.25	mg/kg wet	2.500		59	40-140			
Hexachloroethane	1.48	0.250	mg/kg wet	2.500		59	40-140			
Indeno(1,2,3-cd)Pyrene	2.12	0.250	mg/kg wet	2.500		85	40-140			
Isophorone	1.68	0.250	mg/kg wet	2.500		67	40-140			
Naphthalene	1.51	0.250	mg/kg wet	2.500		61	40-140			
Nitrobenzene	1.62	0.250	mg/kg wet	2.500		65	40-140			
N-Nitrosodimethylamine	1.46	0.250	mg/kg wet	2.500		58	40-140			
N-Nitroso-Di-n-Propylamine	1.32	0.250	mg/kg wet	2.500		53	40-140			
N-nitrosodiphenylamine	2.00	0.250	mg/kg wet	2.500		80	40-140			
Pentachlorophenol	2.71	1.25	mg/kg wet	2.500		108	30-130			
Phenanthrene	1.99	0.250	mg/kg wet	2.500		80	40-140			
Phenol	1.61	0.250	mg/kg wet	2.500		64	30-130			
Pyrene	2.14	0.250	mg/kg wet	2.500		85	40-140			
Pyridine	0.594	1.25	mg/kg wet	2.500		24	40-140			B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.56*		mg/kg wet	*2.500*		*62*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Surrogate: 2,4,6-Tribromophenol	*2.89*		mg/kg wet	*3.750*		*77*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.27*		mg/kg wet	*3.750*		*61*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.74*		mg/kg wet	*2.500*		*70*	*30-130*			
Surrogate: 2-Fluorophenol	*2.32*		mg/kg wet	*3.750*		*62*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.63*		mg/kg wet	*2.500*		*65*	*30-130*			
Surrogate: Phenol-d6	*2.74*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.18*		mg/kg wet	*2.500*		*87*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.02	0.250	mg/kg wet	2.500		41	40-140	7	30	
1,2,4-Trichlorobenzene	1.78	0.250	mg/kg wet	2.500		71	40-140	8	30	
1,2-Dichlorobenzene	1.85	0.250	mg/kg wet	2.500		74	40-140	11	30	
1,3-Dichlorobenzene	1.71	0.250	mg/kg wet	2.500		68	40-140	11	30	
1,4-Dichlorobenzene	1.79	0.250	mg/kg wet	2.500		72	40-140	13	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	3	30	
2,4,6-Trichlorophenol	2.03	0.250	mg/kg wet	2.500		81	30-130	3	30	
2,4-Dichlorophenol	1.97	0.250	mg/kg wet	2.500		79	30-130	11	30	
2,4-Dimethylphenol	1.80	0.250	mg/kg wet	2.500		72	30-130	9	30	
2,4-Dinitrophenol	2.31	1.25	mg/kg wet	2.500		93	30-130	2	30	
2,4-Dinitrotoluene	2.31	0.250	mg/kg wet	2.500		93	40-140	0.7	30	
2,6-Dinitrotoluene	2.17	0.250	mg/kg wet	2.500		87	40-140	2	30	
2-Chloronaphthalene	1.65	0.250	mg/kg wet	2.500		66	40-140	6	30	
2-Chlorophenol	1.78	0.250	mg/kg wet	2.500		71	30-130	16	30	
2-Methylnaphthalene	1.77	0.250	mg/kg wet	2.500		71	40-140	7	30	
2-Methylphenol	1.99	0.250	mg/kg wet	2.500		79	30-130	9	30	
2-Nitroaniline	1.50	0.250	mg/kg wet	2.500		60	40-140	0.3	30	
2-Nitrophenol	1.94	0.250	mg/kg wet	2.500		77	30-130	15	30	
3,3'-Dichlorobenzidine	1.82	0.500	mg/kg wet	2.500		73	40-140	7	30	
3+4-Methylphenol	2.89	0.500	mg/kg wet	5.000		58	30-130	10	30	
3-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140	3	30	
4,6-Dinitro-2-Methylphenol	2.36	1.25	mg/kg wet	2.500		94	30-130	2	30	
4-Bromophenyl-phenylether	1.91	0.250	mg/kg wet	2.500		76	40-140	0.8	30	
4-Chloro-3-Methylphenol	2.02	0.250	mg/kg wet	2.500		81	30-130	4	30	
4-Chloroaniline	1.17	0.500	mg/kg wet	2.500		47	40-140	2	30	
4-Chloro-phenyl-phenyl ether	2.10	0.250	mg/kg wet	2.500		84	40-140	5	30	
4-Nitroaniline	2.18	0.250	mg/kg wet	2.500		87	40-140	5	30	
4-Nitrophenol	2.04	1.25	mg/kg wet	2.500		82	30-130	7	30	
Acenaphthene	1.95	0.250	mg/kg wet	2.500		78	40-140	6	30	
Acenaphthylene	1.87	0.250	mg/kg wet	2.500		75	40-140	4	30	
Acetophenone	1.96	0.500	mg/kg wet	2.500		79	40-140	9	30	
Aniline	1.46	1.25	mg/kg wet	2.500		58	40-140	16	30	
Anthracene	1.98	0.250	mg/kg wet	2.500		79	40-140	1	30	
Azobenzene	1.94	0.250	mg/kg wet	2.500		78	40-140	5	30	
Benzo(a)anthracene	2.20	0.250	mg/kg wet	2.500		88	40-140	5	30	
Benzo(a)pyrene	2.02	0.125	mg/kg wet	2.500		81	40-140	5	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BA82916 - 3546										
Benzo(b)fluoranthene	1.98	0.250	mg/kg wet	2.500		79	40-140	13	30	
Benzo(g,h,i)perylene	2.02	0.250	mg/kg wet	2.500		81	40-140	5	30	
Benzo(k)fluoranthene	2.22	0.250	mg/kg wet	2.500		89	40-140	19	30	
Benzoic Acid	0.645	1.25	mg/kg wet	2.500		26	40-140	13	30	B-
Benzyl Alcohol	1.72	0.250	mg/kg wet	2.500		69	40-140	12	30	
bis(2-Chloroethoxy)methane	1.55	0.250	mg/kg wet	2.500		62	40-140	2	30	
bis(2-Chloroethyl)ether	2.09	0.250	mg/kg wet	2.500		84	40-140	25	30	
bis(2-chloroisopropyl)Ether	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
bis(2-Ethylhexyl)phthalate	2.22	0.250	mg/kg wet	2.500		89	40-140	4	30	
Butylbenzylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140	3	30	
Carbazole	2.08	0.250	mg/kg wet	2.500		83	40-140	4	30	
Chrysene	2.26	0.125	mg/kg wet	2.500		90	40-140	2	30	
Dibenzo(a,h)Anthracene	2.02	0.125	mg/kg wet	2.500		81	40-140	3	30	
Dibenzofuran	1.91	0.250	mg/kg wet	2.500		77	40-140	3	30	
Diethylphthalate	2.00	0.250	mg/kg wet	2.500		80	40-140	1	30	
Dimethylphthalate	2.04	0.250	mg/kg wet	2.500		81	40-140	1	30	
Di-n-butylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140	3	30	
Di-n-octylphthalate	1.89	0.250	mg/kg wet	2.500		76	40-140	6	30	
Fluoranthene	2.16	0.250	mg/kg wet	2.500		87	40-140	4	30	
Fluorene	1.84	0.250	mg/kg wet	2.500		73	40-140	0.6	30	
Hexachlorobenzene	1.86	0.125	mg/kg wet	2.500		74	40-140	0.1	30	
Hexachlorobutadiene	1.75	0.250	mg/kg wet	2.500		70	40-140	9	30	
Hexachlorocyclopentadiene	1.62	1.25	mg/kg wet	2.500		65	40-140	8	30	
Hexachloroethane	1.63	0.250	mg/kg wet	2.500		65	40-140	9	30	
Indeno(1,2,3-cd)Pyrene	2.01	0.250	mg/kg wet	2.500		80	40-140	5	30	
Isophorone	1.77	0.250	mg/kg wet	2.500		71	40-140	5	30	
Naphthalene	1.68	0.250	mg/kg wet	2.500		67	40-140	11	30	
Nitrobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140	6	30	
N-Nitrosodimethylamine	1.65	0.250	mg/kg wet	2.500		66	40-140	12	30	
N-Nitroso-Di-n-Propylamine	1.42	0.250	mg/kg wet	2.500		57	40-140	7	30	
N-nitrosodiphenylamine	2.01	0.250	mg/kg wet	2.500		80	40-140	0.5	30	
Pentachlorophenol	2.63	1.25	mg/kg wet	2.500		105	30-130	3	30	
Phenanthrene	1.95	0.250	mg/kg wet	2.500		78	40-140	2	30	
Phenol	1.88	0.250	mg/kg wet	2.500		75	30-130	16	30	
Pyrene	2.06	0.250	mg/kg wet	2.500		83	40-140	3	30	
Pyridine	0.680	1.25	mg/kg wet	2.500		27	40-140	14	30	B-
Surrogate: 1,2-Dichlorobenzene-d4	*1.76*		mg/kg wet	*2.500*		*71*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*2.82*		mg/kg wet	*3.750*		*75*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.52*		mg/kg wet	*3.750*		*67*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: 2-Fluorophenol	*2.49*		mg/kg wet	*3.750*		*66*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.79*		mg/kg wet	*2.500*		*72*	*30-130*			
Surrogate: Phenol-d6	*3.03*		mg/kg wet	*3.750*		*81*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.09*		mg/kg wet	*2.500*		*83*	*30-130*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

Notes and Definitions

U	Analyte included in the analysis, but not detected
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
D+	Relative percent difference for duplicate is outside of criteria.
D	Diluted.
C-	Continuing Calibration recovery is below lower control limit.
B+	Blank Spike recovery is above upper control limit.
B-	Blank Spike recovery is below lower control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801349

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP Navy USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801349

Electronic Deliverable ___ Yes ___ No
Format: Excel___ Access___ PDF___ Other_____

Co. Name	Project #	Project Name (20 Char. or less)
TK+K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA	624	524.2	8021 MTBE/BTEX	8015 GRO	VPH w/targets	8100 TPH	8015 DRO	EPH w/o PAHs	EPH w/PAHs	EPH 4 Diesel	8081 Pesticides	8082 PCB	608 Pesticides	608 PCB	8270 SVOA	625	PAH 8270	RCRA5	RCRA8	PP13	TAL23	TCLP-RCRA8	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hg
1	1/29/08	1200	X			OFFTA-B2-S4A	1	1	G							X																			
2	↓	↓	↓			OFFTA-B2-B4A	1	1	G							X																			
3	↓	↓	↓			OFFTA-WC08	1/6	5	G	X						X						X			X			X							

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____

Sampled by: L. Kahrs

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/29/08	[signature]	1-29 1332	[signature]	1-29-08 1335	[signature]	1/29/08 1535
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1/29/08 16:30	[signature]	1-29-08 16:30				

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0801363

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 01, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on January 30, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0801363-01	Soil	OFFTA-WC09
0801363-02	Soil	OFFTA-WC10

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801363

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC09
Date Sampled: 01/30/08 15:00
Percent Solids: 85
Initial Volume: 20.3
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801363
ESS Laboratory Sample ID: 0801363-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**452**	mg/kg dry	43.5		1	01/31/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*84 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC09
Date Sampled: 01/30/08 15:00
Percent Solids: 85

ESS Laboratory Work Order: 0801363
ESS Laboratory Sample ID: 0801363-01
Sample Matrix: Soil

Classical Chemistry

Analyte		Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed
Corrosivity (pH)		7.77	S.U.	N/A	9045		1	KJK	01/30/08 19:45
Flashpoint	>	**200**	°F	N/A	1010		1	EEM	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC10
Date Sampled: 01/30/08 15:00
Percent Solids: 79
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0801363
ESS Laboratory Sample ID: 0801363-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 01/30/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**322**	mg/kg dry	47.5		1	01/31/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*100 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC10
Date Sampled: 01/30/08 15:00
Percent Solids: 79

ESS Laboratory Work Order: 0801363
ESS Laboratory Sample ID: 0801363-02
Sample Matrix: Soil

Classical Chemistry

Analyte		Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed
Corrosivity (pH)		**7.52**	S.U.	N/A	9045		1	KJK	01/30/08 19:45
Flashpoint	>	**200**	°F	N/A	1010		1	EEM	01/31/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801363

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BA83028 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.02*		mg/kg wet	*5.000*		*80*	*40-140*			
LCS										
Decane (C10)	1.86	0.26	mg/kg wet	2.500		75	40-140			
Docosane (C22)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Dodecane (C12)	2.10	0.26	mg/kg wet	2.500		84	40-140			
Eicosane (C20)	2.39	0.26	mg/kg wet	2.500		96	40-140			
Hexacosane (C26)	2.44	0.26	mg/kg wet	2.500		97	40-140			
Hexadecane (C16)	2.25	0.26	mg/kg wet	2.500		90	40-140			
Nonadecane (C19)	2.44	0.26	mg/kg wet	2.500		98	40-140			
Octacosane (C28)	2.43	0.26	mg/kg wet	2.500		97	40-140			
Octadecane (C18)	2.34	0.26	mg/kg wet	2.500		93	40-140			
Tetracosane (C24)	2.49	0.26	mg/kg wet	2.500		100	40-140			
Tetradecane (C14)	2.17	0.26	mg/kg wet	2.500		87	40-140			
Surrogate: O-Terphenyl	*3.30*		mg/kg wet	*5.000*		*66*	*40-140*			
LCS Dup										
Decane (C10)	2.20	0.26	mg/kg wet	2.500		88	40-140	17	50	
Docosane (C22)	2.84	0.26	mg/kg wet	2.500		114	40-140	15	50	
Dodecane (C12)	2.48	0.26	mg/kg wet	2.500		99	40-140	17	50	
Eicosane (C20)	2.86	0.26	mg/kg wet	2.500		114	40-140	18	50	
Hexacosane (C26)	2.82	0.26	mg/kg wet	2.500		113	40-140	15	50	
Hexadecane (C16)	2.74	0.26	mg/kg wet	2.500		110	40-140	20	50	
Nonadecane (C19)	2.92	0.26	mg/kg wet	2.500		117	40-140	18	50	
Octacosane (C28)	2.81	0.26	mg/kg wet	2.500		113	40-140	15	50	
Octadecane (C18)	2.82	0.26	mg/kg wet	2.500		113	40-140	19	50	
Tetracosane (C24)	2.89	0.26	mg/kg wet	2.500		116	40-140	15	50	
Tetradecane (C14)	2.65	0.26	mg/kg wet	2.500		106	40-140	20	50	
Surrogate: O-Terphenyl	*3.95*		mg/kg wet	*5.000*		*79*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801363

Notes and Definitions

U	Analyte included in the analysis, but not detected
>	Greater than.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0801363

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Turn Time ___ Standard Other see below
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from: MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following: MA-MCP (Navy) USACE Other_____

Reporting Limits

ESS LAB PROJECT ID: 0801343

Electronic Deliverable ✓ Yes ___ No
Format: Excel___ Access___ PDF ✓ Other_____

Co. Name: TK+K Services
Project #: 1024
Project Name (20 Char. or less): Newport OFFTA
Contact Person: L. Kahrs
Address:
City: Scituate State: MA Zip: 02066-4427
PO#:
Telephone #:
Fax #:
Email Address:

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 524.2	624	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg		Flashpoint		
1	1/30/08	1500	X		S	OFFTA-WC09	1	1	G				X							X	X		2-day TAT
2	↓	↓	↓		S	OFFTA-WC10	1	1	G				X							X	X		
/	↓	↓	↓			OFFTA-WC11	1	1	G				X								>	5-day TAT	

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No
Seals Intact ___ Yes ___ No NA: ✓
Cooler Temp: 4.5°C

Internal Use Only
[ ] Pickup
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9-_____
Sampled by: L. Kahrs
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	1543 1/30/08	[signature]	1/30/08 1543	[signature]	1/30/08 16:55	[signature]	1-30-08 16:55
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0802035

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except *in full without* the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: February 07, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on February 05, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0802035-01	Soil	OFFTA-D-180-40
0802035-02	Soil	OFFTA-D-110-60
0802035-03	Soil	OFFTA-WC-12
0802035-04	Soil	OFFTA-WC-13

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

PROJECT NARRATIVE

No unusual observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-180-40
Date Sampled: 02/04/08 11:30
Percent Solids: 91
Initial Volume: 20
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-01
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	ND	mg/kg dry	41.2		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*77 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-D-110-60
Date Sampled: 02/04/08 11:30
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-02
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**109**	mg/kg dry	39.9		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*94 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-12
Date Sampled: 02/04/08 11:30
Percent Solids: 93
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-03
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**95.0**	mg/kg dry	39.9		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*75 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-13
Date Sampled: 02/04/08 11:30
Percent Solids: 91
Initial Volume: 20.4
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0802035
ESS Laboratory Sample ID: 0802035-04
Sample Matrix: Soil
Analyst: ML
Prepared: 02/05/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**65.0**	mg/kg dry	40.4		1	02/05/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*92 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
			8015M Diesel Range Organics							
Batch BB80514 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*4.37*		mg/kg wet	*5.000*		*87*	*40-140*			
LCS										
Decane (C10)	1.39	0.26	mg/kg wet	2.500		55	40-140			
Docosane (C22)	1.72	0.26	mg/kg wet	2.500		69	40-140			
Dodecane (C12)	1.57	0.26	mg/kg wet	2.500		63	40-140			
Eicosane (C20)	1.71	0.26	mg/kg wet	2.500		69	40-140			
Hexacosane (C26)	1.69	0.26	mg/kg wet	2.500		68	40-140			
Hexadecane (C16)	1.66	0.26	mg/kg wet	2.500		66	40-140			
Nonadecane (C19)	1.79	0.26	mg/kg wet	2.500		71	40-140			
Octacosane (C28)	1.71	0.26	mg/kg wet	2.500		68	40-140			
Octadecane (C18)	1.68	0.26	mg/kg wet	2.500		67	40-140			
Tetracosane (C24)	1.76	0.26	mg/kg wet	2.500		70	40-140			
Tetradecane (C14)	1.64	0.26	mg/kg wet	2.500		65	40-140			
Surrogate: O-Terphenyl	*3.49*		mg/kg wet	*5.000*		*70*	*40-140*			
LCS Dup										
Decane (C10)	1.79	0.26	mg/kg wet	2.500		72	40-140	26	50	
Docosane (C22)	2.05	0.26	mg/kg wet	2.500		82	40-140	18	50	
Dodecane (C12)	1.94	0.26	mg/kg wet	2.500		78	40-140	21	50	
Eicosane (C20)	2.10	0.26	mg/kg wet	2.500		84	40-140	20	50	
Hexacosane (C26)	2.02	0.26	mg/kg wet	2.500		81	40-140	17	50	
Hexadecane (C16)	2.03	0.26	mg/kg wet	2.500		81	40-140	20	50	
Nonadecane (C19)	2.17	0.26	mg/kg wet	2.500		87	40-140	19	50	
Octacosane (C28)	2.03	0.26	mg/kg wet	2.500		81	40-140	17	50	
Octadecane (C18)	2.06	0.26	mg/kg wet	2.500		82	40-140	20	50	
Tetracosane (C24)	2.09	0.26	mg/kg wet	2.500		84	40-140	17	50	
Tetradecane (C14)	2.04	0.26	mg/kg wet	2.500		82	40-140	22	50	
Surrogate: O-Terphenyl	*4.08*		mg/kg wet	*5.000*		*82*	*40-140*			
Matrix Spike **Source: 0802035-04**										
Decane (C10)	1.46	0.28	mg/kg dry	2.720	ND	54	40-140			
Docosane (C22)	1.88	0.28	mg/kg dry	2.720	ND	69	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
				8015M Diesel Range Organics						
Batch BB80514 - 3541										
Dodecane (C12)	1.61	0.28	mg/kg dry	2.720	ND	59	40-140			
Eicosane (C20)	1.91	0.28	mg/kg dry	2.720	ND	70	40-140			
Hexacosane (C26)	1.85	0.28	mg/kg dry	2.720	ND	68	40-140			
Hexadecane (C16)	1.78	0.28	mg/kg dry	2.720	ND	66	40-140			
Nonadecane (C19)	2.00	0.28	mg/kg dry	2.720	ND	73	40-140			
Octacosane (C28)	1.87	0.28	mg/kg dry	2.720	ND	69	40-140			
Octadecane (C18)	1.85	0.28	mg/kg dry	2.720	ND	68	40-140			
Tetracosane (C24)	1.90	0.28	mg/kg dry	2.720	ND	70	40-140			
Tetradecane (C14)	1.62	0.28	mg/kg dry	2.720	ND	60	40-140			
Surrogate: O-Terphenyl	*3.85*		mg/kg dry	*5.440*		*71*	*40-140*			
Matrix Spike Dup Source: 0802035-04										
Decane (C10)	1.67	0.28	mg/kg dry	2.734	ND	61	40-140	13	50	
Docosane (C22)	2.36	0.28	mg/kg dry	2.734	ND	86	40-140	23	50	
Dodecane (C12)	1.95	0.28	mg/kg dry	2.734	ND	71	40-140	19	50	
Eicosane (C20)	2.40	0.28	mg/kg dry	2.734	ND	88	40-140	22	50	
Hexacosane (C26)	2.29	0.28	mg/kg dry	2.734	ND	84	40-140	21	50	
Hexadecane (C16)	2.24	0.28	mg/kg dry	2.734	ND	82	40-140	23	50	
Nonadecane (C19)	2.56	0.28	mg/kg dry	2.734	ND	94	40-140	25	50	
Octacosane (C28)	2.31	0.28	mg/kg dry	2.734	ND	85	40-140	21	50	
Octadecane (C18)	2.31	0.28	mg/kg dry	2.734	ND	84	40-140	22	50	
Tetracosane (C24)	2.34	0.28	mg/kg dry	2.734	ND	86	40-140	21	50	
Tetradecane (C14)	2.07	0.28	mg/kg dry	2.734	ND	76	40-140	24	50	
Surrogate: O-Terphenyl	*4.74*		mg/kg dry	*5.467*		*87*	*40-140*			

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

Notes and Definitions

U	Analyte included in the analysis, but not detected
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0802035

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

Jena E Paola

From: Lawrence Kahrs [lawrence.kahrs@tkandk.com]
Sent: Tuesday, February 05, 2008 1:59 PM
To: Jena E Paola
Subject: RE: Sample ID on Chain vs bottle

08020365

Jena,

The fourth sample on the COC should read OFFTA-WC-13. Thanks for catching this and sorry for the confusion.

Thanks,

Larry

TK&K SERVICES
Lawrence E. Kahrs, P.E.
Office: (781) 545-7555
Cell: (781) 664-0086
lawrence.kahrs@tkandk.com
www.tkandk.com

From: Jena E Paola [mailto:JPaola@thielsch.com]
Sent: Tuesday, February 05, 2008 1:34 PM
To: lawrence.kahrs@tkandk.com
Subject: Sample ID on Chain vs bottle

Hi Larry,

Please see the attached Chain for reference. On the labels on the bottles, we have one sample that is labeled WC-13. The Chain lists two samples as WC-12. I want to make sure we are logging this project in with the correct sample IDs. Should the fourth sample on the Chain read OFFTA-WC-13? Let me know when you have a chance. Please contact us with any questions.

Thank you,

Jena Paola
ESS Laboratory
Project Manager
401-461-7181 phone
401-461-4486 fax

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 5 day
If faster than 5 days, prior approval by laboratory is required #_____
State where samples were collected from:
MA (RI) CT NH NJ NY ME Other_____
Is this project for any of the following:
MA-MCP (Navy) USACE Other _____

Reporting Limits

ESS LAB PROJECT ID: 0802035

Electronic Deliverable ___ Yes ___ No
Format: Excel__ Access __ PDF__ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TKSK	1024	Newport OFFTA

Contact Person	Address
L. Kahn	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahn@tksk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg					
1	2/4/08	1130	X			OFFTA-D-180-40	1	1	G			X											
2	↓	↓	↓			OFFTA-D-110-60	1	1	G			↓											
3						OFFTA-WC-12	1	1	G														
4						OFFTA-WC-12	1	1	G														

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No Internal Use Only
Seals Intact ___ Yes ___ No NA: ✓ [✓] Pickup
Cooler Temp: 4.4°
[ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____
Sampled by:
Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	2/5/08 1100	[signature]	2/5/08 1000	[signature]	2/5/08 10:42	[signature]	2-5-08 1042
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

PROJECT NARRATIVE

Lawrence Kahrs
TK&K Services
32 Neal Gate Street
Scituate, MA 02066

RE: Newport OFFTA
ESS Laboratory Work Order Number: 0803202

This signed Certificate of Analysis is our approved release of your analytical results. These results are only representative of sample aliquots received at the laboratory. ESS Laboratory expects its clients to follow all regulatory sampling guidelines. Beginning with this Project Narrative, the entire report has been paginated. The ESS Laboratory Certifications sheet is the final report page. This report should not be copied except in full without the approval of the laboratory. Samples will be disposed of thirty days after the final report has been mailed. If you have any questions or concerns, please feel free to call our Customer Service Department.

Laurel Stoddard
Laboratory Director

Date: March 19, 2008

Analytical Summary
The project as described above has been analyzed in accordance with the ESS Quality Assurance Plan. This plan utilizes the following methodologies: US EPA SW-846, US EPA Methods for Chemical Analysis of Water and Wastes per 40 CFR Part 136, APHA Standard Methods for the Examination of Water and Wastewater, American Society for Testing and Materials (ASTM), and other recognized methodologies. The analyses with these noted observations are in conformance to the Quality Assurance Plan. In chromatographic analysis, manual integration may be used instead of automated integration because it produces more accurate results. All ICP Metals were analyzed using the established linear dynamic range to determine acceptable analytical results.

ESS Laboratory certifies that the test results meet the requirements of NELAC, except where noted within this project narrative.

Sample Receipt
The following sample(s) were received on March 17, 2008 for the analyses specified on the enclosed Chain of Custody Record.

Laboratory ID	Matrix	Client SampleID
0803202-01	Soil	OFFTA-WC-14
0803202-02	Soil	OFFTA-WC-15

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

PROJECT NARRATIVE

5035/8260B Volatile Organic Compounds / Methanol

BRC0163-CCV1 **Continuing Calibration recovery is above upper control limit.**
1,4-Dioxane - Screen

8015M Gasoline Range Organics / Methanol

0803202-01 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**
0803202-02 **Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.**

8270C Semi-Volatile Organic Compounds

BC81704-BS1 **Matrix Spike recovery is below lower control limit.**
4-Chloroaniline, Hexachlorocyclopentadiene
BC81704-BSD1 **Matrix Spike recovery is below lower control limit.**
4-Chloroaniline, Hexachlorocyclopentadiene
BRC0154-CCV1 **Calibration required quadratic regression.**
1,2-Dichlorobenzene, Benzo(k)fluoranthene, Benzoic Acid
BRC0154-CCV1 **Continuing Calibration recovery is above upper control limit.**
Benzoic Acid

No other observations noted.

End of Project Narrative.

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

TCLP Date: 3/17/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	1.70	mg/L	0.200	1311/6010B	5	1	SVD	03/18/08	5	50

ESS Laboratory

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Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

					RI - RES DEC					
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**	**I/V**	**F/V**
Arsenic	ND	mg/kg dry	3.3	6010B	7	1	SVD	03/17/08	1.8	100
Barium	**27.6**	mg/kg dry	3.3	6010B	5500	1	SVD	03/17/08	1.8	100
Cadmium	ND	mg/kg dry	0.67	6010B	39	1	SVD	03/17/08	1.8	100
Chromium	**10.4**	mg/kg dry	1.3	6010B	1400	1	SVD	03/17/08	1.8	100
Lead	**200**	mg/kg dry	6.7	6010B	150	1	SVD	03/17/08	1.8	100
Mercury	**0.118**	mg/kg dry	0.038	7471A	23	1	KAB	03/18/08	0.62	40
Selenium	ND	mg/kg dry	6.7	6010B	390	1	SVD	03/17/08	1.8	100
Silver	ND	mg/kg dry	0.67	6010B	200	1	SVD	03/17/08	1.8	100

ESS Laboratory

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Client Name: TK&K Services
Client Project ID: Newport OFFTA
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Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.133	0.0438	2.2	1	03/19/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0664	0.0173	540	1	03/19/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0664	0.0199	1.3	1	03/19/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0664	0.0212	3.6	1	03/19/08
1,1-Dichloroethane		ND	mg/kg dry	0.0664	0.0186	920	1	03/19/08
1,1-Dichloroethene		ND	mg/kg dry	0.0664	0.0159	0.2	1	03/19/08
1,1-Dichloropropene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0664	0.0146	96	1	03/19/08
1,2,4-Trimethylbenzene	*J*	**0.0292**	mg/kg dry	0.0664	0.0159		1	03/19/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.398	0.133	0.5	1	03/19/08
1,2-Dibromoethane		ND	mg/kg dry	0.0664	0.0146	0.01	1	03/19/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0146	510	1	03/19/08
1,2-Dichloroethane		ND	mg/kg dry	0.0664	0.0146	0.9	1	03/19/08
1,2-Dichloropropane		ND	mg/kg dry	0.0664	0.0186	1.9	1	03/19/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0159	430	1	03/19/08
1,3-Dichloropropane		ND	mg/kg dry	0.0664	0.0133		1	03/19/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0664	0.0173	27	1	03/19/08
1,4-Dioxane - Screen		ND	mg/kg dry	6.64	3.32		1	03/19/08
1-Chlorohexane		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
2,2-Dichloropropane		ND	mg/kg dry	0.133	0.0332		1	03/19/08
2-Butanone		ND	mg/kg dry	1.66	0.332	10000	1	03/19/08
2-Chlorotoluene		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
2-Hexanone		ND	mg/kg dry	0.664	0.0929		1	03/19/08
4-Chlorotoluene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
4-Isopropyltoluene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.664	0.0929	1200	1	03/19/08
Acetone		ND	mg/kg dry	1.66	0.531	7800	1	03/19/08
Benzene		ND	mg/kg dry	0.0664	0.0199	2.5	1	03/19/08
Bromobenzene		ND	mg/kg dry	0.0664	0.0146		1	03/19/08
Bromochloromethane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Bromodichloromethane		ND	mg/kg dry	0.0664	0.0186	10	1	03/19/08
Bromoform		ND	mg/kg dry	0.0664	0.0212	81	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane		ND	mg/kg dry	0.133	0.0332	0.8	1	03/19/08
Carbon Disulfide		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Carbon Tetrachloride		ND	mg/kg dry	0.0664	0.0186	1.5	1	03/19/08
Chlorobenzene		ND	mg/kg dry	0.0664	0.0146	210	1	03/19/08
Chloroethane		ND	mg/kg dry	0.133	0.0438		1	03/19/08
Chloroform		ND	mg/kg dry	0.0664	0.0159	1.2	1	03/19/08
Chloromethane		ND	mg/kg dry	0.133	0.0212		1	03/19/08
cis-1,2-Dichloroethene		ND	mg/kg dry	0.0664	0.0199	630	1	03/19/08
cis-1,3-Dichloropropene		ND	mg/kg dry	0.0664	0.0146		1	03/19/08
Dibromochloromethane		ND	mg/kg dry	0.0664	0.0133	7.6	1	03/19/08
Dibromomethane		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Dichlorodifluoromethane		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Diethyl Ether		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Di-isopropyl ether		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Ethyl tertiary-butyl ether		ND	mg/kg dry	0.0664	0.0133		1	03/19/08
Ethylbenzene		ND	mg/kg dry	0.0664	0.0159	71	1	03/19/08
Hexachlorobutadiene		ND	mg/kg dry	0.0664	0.0212	8.2	1	03/19/08
Isopropylbenzene		ND	mg/kg dry	0.0664	0.0146	27	1	03/19/08
Methyl tert-Butyl Ether		ND	mg/kg dry	0.0664	0.0159	390	1	03/19/08
Methylene Chloride	J	**0.0279**	mg/kg dry	0.332	0.0265	45	1	03/19/08
Naphthalene		ND	mg/kg dry	0.0664	0.0199	54	1	03/19/08
n-Butylbenzene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
n-Propylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
sec-Butylbenzene		ND	mg/kg dry	0.0664	0.0173		1	03/19/08
Styrene		ND	mg/kg dry	0.0664	0.0173	13	1	03/19/08
tert-Butylbenzene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Tertiary-amyl methyl ether		ND	mg/kg dry	0.0664	0.0199		1	03/19/08
Tetrachloroethene		ND	mg/kg dry	0.0664	0.0212	12	1	03/19/08
Tetrahydrofuran		ND	mg/kg dry	0.664	0.173		1	03/19/08
Toluene		ND	mg/kg dry	0.0664	0.0186	190	1	03/19/08
trans-1,2-Dichloroethene		ND	mg/kg dry	0.0664	0.0212	1100	1	03/19/08
trans-1,3-Dichloropropene		ND	mg/kg dry	0.0664	0.0159		1	03/19/08
Trichloroethene		ND	mg/kg dry	0.0664	0.0159	13	1	03/19/08
Trichlorofluoromethane		ND	mg/kg dry	0.0664	0.0186		1	03/19/08
Vinyl Acetate		ND	mg/kg dry	0.332	0.0265		1	03/19/08
Vinyl Chloride		ND	mg/kg dry	0.0664	0.0159	0.02	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16.1
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0664	0.0133	110	1	03/19/08
Xylene P,M	ND	mg/kg dry	0.133	0.0332	110	1	03/19/08
Xylenes (Total)	ND	mg/kg dry	0.199		110	1	03/19/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*98 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*93 %*		*70-130*
Surrogate: Dibromofluoromethane	*101 %*		*70-130*
Surrogate: Toluene-d8	*95 %*		*70-130*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 20.1
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**562**	mg/kg dry	45.0		1	03/17/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*80 %*		*40-140*

ESS Laboratory

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Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 16
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: MD
Prepared: 03/18/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**6.93**	mg/kg dry	1.67		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*224 %*	*5C*	*70-130*
Surrogate: Trifluorotoluene - FID	*91 %*		*70-130*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1221	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1232	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1242	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1248	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1254	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1260	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1262	ND	mg/kg dry	0.0599	10	1	03/18/08
Aroclor 1268	ND	mg/kg dry	0.0599	10	1	03/18/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: Decachlorobiphenyl	*68 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*71 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*82 %*		*30-150*

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.401	0.8	1	03/18/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.401	96	1	03/18/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.401	510	1	03/18/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.401	430	1	03/18/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.401	27	1	03/18/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	2.01		1	03/18/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.401	330	1	03/18/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.401	58	1	03/18/08
2,4-Dichlorophenol	ND	mg/kg dry	0.401	30	1	03/18/08
2,4-Dimethylphenol	ND	mg/kg dry	0.401	1400	1	03/18/08
2,4-Dinitrophenol	ND	mg/kg dry	2.01	160	1	03/18/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.401	0.9	1	03/18/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.401		1	03/18/08
2-Chloronaphthalene	ND	mg/kg dry	0.401		1	03/18/08
2-Chlorophenol	ND	mg/kg dry	0.401	50	1	03/18/08
2-Methylnaphthalene	ND	mg/kg dry	0.401	123	1	03/18/08
2-Methylphenol	ND	mg/kg dry	0.401		1	03/18/08
2-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
2-Nitrophenol	ND	mg/kg dry	0.401		1	03/18/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.804	1.4	1	03/18/08
3+4-Methylphenol	ND	mg/kg dry	0.804		1	03/18/08
3-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	2.01		1	03/18/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.401		1	03/18/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.401		1	03/18/08
4-Chloroaniline	ND	mg/kg dry	0.804	310	1	03/18/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.401		1	03/18/08
4-Nitroaniline	ND	mg/kg dry	0.401		1	03/18/08
4-Nitrophenol	ND	mg/kg dry	2.01		1	03/18/08
Acenaphthene	ND	mg/kg dry	0.401	43	1	03/18/08
Acenaphthylene	ND	mg/kg dry	0.401	23	1	03/18/08
Acetophenone	ND	mg/kg dry	0.804		1	03/18/08
Aniline	ND	mg/kg dry	2.01		1	03/18/08
Anthracene	ND	mg/kg dry	0.401	35	1	03/18/08
Azobenzene	ND	mg/kg dry	0.401		1	03/18/08

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Client Project ID: Newport OFFTA
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Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzo(a)pyrene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Benzo(b)fluoranthene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzo(g,h,i)perylene	ND	mg/kg dry	0.401	0.8	1	03/18/08
Benzo(k)fluoranthene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Benzoic Acid	ND	mg/kg dry	2.01		1	03/18/08
Benzyl Alcohol	ND	mg/kg dry	0.401		1	03/18/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.401		1	03/18/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.401	0.6	1	03/18/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.401	9.1	1	03/18/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.401	46	1	03/18/08
Butylbenzylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Carbazole	ND	mg/kg dry	0.401		1	03/18/08
Chrysene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Dibenzo(a,h)Anthracene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Dibenzofuran	ND	mg/kg dry	0.401		1	03/18/08
Diethylphthalate	ND	mg/kg dry	0.401	340	1	03/18/08
Dimethylphthalate	ND	mg/kg dry	0.401	1900	1	03/18/08
Di-n-butylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Di-n-octylphthalate	ND	mg/kg dry	0.401		1	03/18/08
Fluoranthene	ND	mg/kg dry	0.401	20	1	03/18/08
Fluorene	ND	mg/kg dry	0.401	28	1	03/18/08
Hexachlorobenzene	ND	mg/kg dry	0.201	0.4	1	03/18/08
Hexachlorobutadiene	ND	mg/kg dry	0.401	8.2	1	03/18/08
Hexachlorocyclopentadiene	ND	mg/kg dry	2.01		1	03/18/08
Hexachloroethane	ND	mg/kg dry	0.401	46	1	03/18/08
Indeno(1,2,3-cd)Pyrene	ND	mg/kg dry	0.401	0.9	1	03/18/08
Isophorone	ND	mg/kg dry	0.401		1	03/18/08
Naphthalene	ND	mg/kg dry	0.401	54	1	03/18/08
Nitrobenzene	ND	mg/kg dry	0.401		1	03/18/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.401		1	03/18/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.401		1	03/18/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.401		1	03/18/08
Pentachlorophenol	ND	mg/kg dry	2.01	5.3	1	03/18/08
Phenanthrene	ND	mg/kg dry	0.401	40	1	03/18/08
Phenol	ND	mg/kg dry	0.401	6000	1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83
Initial Volume: 15
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Pyrene	ND	mg/kg dry	0.401	13	1	03/18/08
Pyridine	ND	mg/kg dry	2.01		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	*57 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*76 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*56 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*61 %*		*30-130*
Surrogate: 2-Fluorophenol	*54 %*		*30-130*
Surrogate: Nitrobenzene-d5	*60 %*		*30-130*
Surrogate: Phenol-d6	*58 %*		*30-130*
Surrogate: p-Terphenyl-d14	*77 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-14
Date Sampled: 03/17/08 09:00
Percent Solids: 83

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-01
Sample Matrix: Soil

Classical Chemistry

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed
Corrosivity (pH)	**7.64**	S.U.	N/A	9045		1	EEM	03/17/08 16:50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

TCLP Date: 3/17/08

1311/6000/7000 TCLP Metals

Analyte	Results	Units	MRL	Method	TCLP Limit	DF	Analyst	Analyzed	I/V	F/V
Lead	**1.77**	mg/L	0.200	1311/6010B	5	1	SVD	03/18/08	5	50

ESS Laboratory

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CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

3050B/6000/7000 Total Metals

Analyte	Results	Units	MRL	Method	RI - RES DEC Limit	DF	Analyst	Analyzed	I/V	F/V
Arsenic	ND	mg/kg dry	3.0	6010B	7	1	SVD	03/17/08	1.92	100
Barium	**35.0**	mg/kg dry	3.0	6010B	5500	1	SVD	03/17/08	1.92	100
Cadmium	ND	mg/kg dry	0.61	6010B	39	1	SVD	03/17/08	1.92	100
Chromium	**12.9**	mg/kg dry	1.2	6010B	1400	1	SVD	03/17/08	1.92	100
Lead	**302**	mg/kg dry	6.1	6010B	150	1	SVD	03/17/08	1.92	100
Mercury	**0.145**	mg/kg dry	0.038	7471A	23	1	KAB	03/18/08	0.6	40
Selenium	ND	mg/kg dry	6.1	6010B	390	1	SVD	03/17/08	1.92	100
Silver	ND	mg/kg dry	0.61	6010B	200	1	SVD	03/17/08	1.92	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Analyte		Results	Units	MRL	MDL	RI - RES DEC Limit	DF	Analyzed
1,1,1,2-Tetrachloroethane		ND	mg/kg dry	0.109	0.0358	2.2	1	03/19/08
1,1,1-Trichloroethane		ND	mg/kg dry	0.0543	0.0141	540	1	03/19/08
1,1,2,2-Tetrachloroethane		ND	mg/kg dry	0.0543	0.0163	1.3	1	03/19/08
1,1,2-Trichloroethane		ND	mg/kg dry	0.0543	0.0174	3.6	1	03/19/08
1,1-Dichloroethane		ND	mg/kg dry	0.0543	0.0152	920	1	03/19/08
1,1-Dichloroethene		ND	mg/kg dry	0.0543	0.0130	0.2	1	03/19/08
1,1-Dichloropropene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
1,2,3-Trichlorobenzene		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
1,2,3-Trichloropropane		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
1,2,4-Trichlorobenzene		ND	mg/kg dry	0.0543	0.0119	96	1	03/19/08
1,2,4-Trimethylbenzene	*J*	***0.0141***	mg/kg dry	0.0543	0.0130		1	03/19/08
1,2-Dibromo-3-Chloropropane		ND	mg/kg dry	0.326	0.109	0.5	1	03/19/08
1,2-Dibromoethane		ND	mg/kg dry	0.0543	0.0119	0.01	1	03/19/08
1,2-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0119	510	1	03/19/08
1,2-Dichloroethane		ND	mg/kg dry	0.0543	0.0119	0.9	1	03/19/08
1,2-Dichloropropane		ND	mg/kg dry	0.0543	0.0152	1.9	1	03/19/08
1,3,5-Trimethylbenzene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
1,3-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0130	430	1	03/19/08
1,3-Dichloropropane		ND	mg/kg dry	0.0543	0.0109		1	03/19/08
1,4-Dichlorobenzene		ND	mg/kg dry	0.0543	0.0141	27	1	03/19/08
1,4-Dioxane - Screen		ND	mg/kg dry	5.43	2.71		1	03/19/08
1-Chlorohexane		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
2,2-Dichloropropane		ND	mg/kg dry	0.109	0.0271		1	03/19/08
2-Butanone		ND	mg/kg dry	1.36	0.271	10000	1	03/19/08
2-Chlorotoluene		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
2-Hexanone		ND	mg/kg dry	0.543	0.0760		1	03/19/08
4-Chlorotoluene		ND	mg/kg dry	0.0543	0.0130		1	03/19/08
4-Isopropyltoluene		ND	mg/kg dry	0.0543	0.0141		1	03/19/08
4-Methyl-2-Pentanone		ND	mg/kg dry	0.543	0.0760	1200	1	03/19/08
Acetone		ND	mg/kg dry	1.36	0.434	7800	1	03/19/08
Benzene		ND	mg/kg dry	0.0543	0.0163	2.5	1	03/19/08
Bromobenzene		ND	mg/kg dry	0.0543	0.0119		1	03/19/08
Bromochloromethane		ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Bromodichloromethane		ND	mg/kg dry	0.0543	0.0152	10	1	03/19/08
Bromoform		ND	mg/kg dry	0.0543	0.0174	81	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	mg/kg dry	0.109	0.0271	0.8	1	03/19/08
Carbon Disulfide	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Carbon Tetrachloride	ND	mg/kg dry	0.0543	0.0152	1.5	1	03/19/08
Chlorobenzene	ND	mg/kg dry	0.0543	0.0119	210	1	03/19/08
Chloroethane	ND	mg/kg dry	0.109	0.0358		1	03/19/08
Chloroform	ND	mg/kg dry	0.0543	0.0130	1.2	1	03/19/08
Chloromethane	ND	mg/kg dry	0.109	0.0174		1	03/19/08
cis-1,2-Dichloroethene	ND	mg/kg dry	0.0543	0.0163	630	1	03/19/08
cis-1,3-Dichloropropene	ND	mg/kg dry	0.0543	0.0119		1	03/19/08
Dibromochloromethane	ND	mg/kg dry	0.0543	0.0109	7.6	1	03/19/08
Dibromomethane	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Dichlorodifluoromethane	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Diethyl Ether	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Di-isopropyl ether	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Ethyl tertiary-butyl ether	ND	mg/kg dry	0.0543	0.0109		1	03/19/08
Ethylbenzene	ND	mg/kg dry	0.0543	0.0130	71	1	03/19/08
Hexachlorobutadiene	ND	mg/kg dry	0.0543	0.0174	8.2	1	03/19/08
Isopropylbenzene	ND	mg/kg dry	0.0543	0.0119	27	1	03/19/08
Methyl tert-Butyl Ether	ND	mg/kg dry	0.0543	0.0130	390	1	03/19/08
Methylene Chloride	ND	mg/kg dry	0.271	0.0217	45	1	03/19/08
Naphthalene	ND	mg/kg dry	0.0543	0.0163	54	1	03/19/08
n-Butylbenzene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
n-Propylbenzene	ND	mg/kg dry	0.0543	0.0141		1	03/19/08
sec-Butylbenzene	ND	mg/kg dry	0.0543	0.0141		1	03/19/08
Styrene	ND	mg/kg dry	0.0543	0.0141	13	1	03/19/08
tert-Butylbenzene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Tertiary-amyl methyl ether	ND	mg/kg dry	0.0543	0.0163		1	03/19/08
Tetrachloroethene	ND	mg/kg dry	0.0543	0.0174	12	1	03/19/08
Tetrahydrofuran	ND	mg/kg dry	0.543	0.141		1	03/19/08
Toluene	ND	mg/kg dry	0.0543	0.0152	190	1	03/19/08
trans-1,2-Dichloroethene	ND	mg/kg dry	0.0543	0.0174	1100	1	03/19/08
trans-1,3-Dichloropropene	ND	mg/kg dry	0.0543	0.0130		1	03/19/08
Trichloroethene	ND	mg/kg dry	0.0543	0.0130	13	1	03/19/08
Trichlorofluoromethane	ND	mg/kg dry	0.0543	0.0152		1	03/19/08
Vinyl Acetate	ND	mg/kg dry	0.271	0.0217		1	03/19/08
Vinyl Chloride	ND	mg/kg dry	0.0543	0.0130	0.02	1	03/19/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 18.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	mg/kg dry	0.0543	0.0109	110	1	03/19/08
Xylene P,M	ND	mg/kg dry	0.109	0.0271	110	1	03/19/08
Xylenes (Total)	ND	mg/kg dry	0.163		110	1	03/19/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichloroethane-d4	*94 %*		*70-130*
Surrogate: 4-Bromofluorobenzene	*91 %*		*70-130*
Surrogate: Dibromofluoromethane	*98 %*		*70-130*
Surrogate: Toluene-d8	*94 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 20.2
Final Volume: 1
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8015M Diesel Range Organics

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Diesel Range Organics	**802**	mg/kg dry	43.2		1	03/17/08

	%Recovery	Qualifier	Limits
Surrogate: O-Terphenyl	*81 %*		*40-140*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 14.9
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: MD
Prepared: 03/18/08

8015M Gasoline Range Organics / Methanol

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Gasoline Range Organics	**7.89**	mg/kg dry	1.67		1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: 2,5-Dibromotoluene - FID	*245 %*	*SC*	*70-130*
Surrogate: Trifluorotoluene - FID	*90 %*		*70-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 20.3
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 03/17/08

8082 Polychlorinated Biphenyls (PCB)

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
Aroclor 1016	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1221	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1232	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1242	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1248	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1254	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1260	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1262	ND	mg/kg dry	0.0573	10	1	03/18/08
Aroclor 1268	ND	mg/kg dry	0.0573	10	1	03/18/08

	%Recovery	Qualifier	Limits
Surrogate: Decachlorobiphenyl	*75 %*		*30-150*
Surrogate: Decachlorobiphenyl [2C]	*78 %*		*30-150*
Surrogate: Tetrachloro-m-xylene	*72 %*		*30-150*
Surrogate: Tetrachloro-m-xylene [2C]	*80 %*		*30-150*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Analyte	Results	Units	MRL	RI - RES DEC Limit	DF	Analyzed
1,1-Biphenyl	ND	mg/kg dry	0.380	0.8	1	03/18/08
1,2,4-Trichlorobenzene	ND	mg/kg dry	0.380	96	1	03/18/08
1,2-Dichlorobenzene	ND	mg/kg dry	0.380	510	1	03/18/08
1,3-Dichlorobenzene	ND	mg/kg dry	0.380	430	1	03/18/08
1,4-Dichlorobenzene	ND	mg/kg dry	0.380	27	1	03/18/08
2,3,4,6-Tetrachlorophenol	ND	mg/kg dry	1.90		1	03/18/08
2,4,5-Trichlorophenol	ND	mg/kg dry	0.380	330	1	03/18/08
2,4,6-Trichlorophenol	ND	mg/kg dry	0.380	58	1	03/18/08
2,4-Dichlorophenol	ND	mg/kg dry	0.380	30	1	03/18/08
2,4-Dimethylphenol	ND	mg/kg dry	0.380	1400	1	03/18/08
2,4-Dinitrophenol	ND	mg/kg dry	1.90	160	1	03/18/08
2,4-Dinitrotoluene	ND	mg/kg dry	0.380	0.9	1	03/18/08
2,6-Dinitrotoluene	ND	mg/kg dry	0.380		1	03/18/08
2-Chloronaphthalene	ND	mg/kg dry	0.380		1	03/18/08
2-Chlorophenol	ND	mg/kg dry	0.380	50	1	03/18/08
2-Methylnaphthalene	**0.948**	mg/kg dry	0.380	123	1	03/18/08
2-Methylphenol	ND	mg/kg dry	0.380		1	03/18/08
2-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
2-Nitrophenol	ND	mg/kg dry	0.380		1	03/18/08
3,3'-Dichlorobenzidine	ND	mg/kg dry	0.760	1.4	1	03/18/08
3+4-Methylphenol	ND	mg/kg dry	0.760		1	03/18/08
3-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
4,6-Dinitro-2-Methylphenol	ND	mg/kg dry	1.90		1	03/18/08
4-Bromophenyl-phenylether	ND	mg/kg dry	0.380		1	03/18/08
4-Chloro-3-Methylphenol	ND	mg/kg dry	0.380		1	03/18/08
4-Chloroaniline	ND	mg/kg dry	0.760	310	1	03/18/08
4-Chloro-phenyl-phenyl ether	ND	mg/kg dry	0.380		1	03/18/08
4-Nitroaniline	ND	mg/kg dry	0.380		1	03/18/08
4-Nitrophenol	ND	mg/kg dry	1.90		1	03/18/08
Acenaphthene	**1.23**	mg/kg dry	0.380	43	1	03/18/08
Acenaphthylene	ND	mg/kg dry	0.380	23	1	03/18/08
Acetophenone	ND	mg/kg dry	0.760		1	03/18/08
Aniline	ND	mg/kg dry	1.90		1	03/18/08
Anthracene	**2.42**	mg/kg dry	0.380	35	1	03/18/08
Azobenzene	ND	mg/kg dry	0.380		1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	**2.69**	mg/kg dry	0.380	0.9	1	03/18/08
Benzo(a)pyrene	**2.09**	mg/kg dry	0.190	0.4	1	03/18/08
Benzo(b)fluoranthene	**2.34**	mg/kg dry	0.380	0.9	1	03/18/08
Benzo(g,h,i)perylene	**0.475**	mg/kg dry	0.380	0.8	1	03/18/08
Benzo(k)fluoranthene	**1.62**	mg/kg dry	0.380	0.9	1	03/18/08
Benzoic Acid	ND	mg/kg dry	1.90		1	03/18/08
Benzyl Alcohol	ND	mg/kg dry	0.380		1	03/18/08
bis(2-Chloroethoxy)methane	ND	mg/kg dry	0.380		1	03/18/08
bis(2-Chloroethyl)ether	ND	mg/kg dry	0.380	0.6	1	03/18/08
bis(2-chloroisopropyl)Ether	ND	mg/kg dry	0.380	9.1	1	03/18/08
bis(2-Ethylhexyl)phthalate	ND	mg/kg dry	0.380	46	1	03/18/08
Butylbenzylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Carbazole	**1.05**	mg/kg dry	0.380		1	03/18/08
Chrysene	**2.56**	mg/kg dry	0.190	0.4	1	03/18/08
Dibenzo(a,h)Anthracene	**0.273**	mg/kg dry	0.190	0.4	1	03/18/08
Dibenzofuran	**1.35**	mg/kg dry	0.380		1	03/18/08
Diethylphthalate	ND	mg/kg dry	0.380	340	1	03/18/08
Dimethylphthalate	ND	mg/kg dry	0.380	1900	1	03/18/08
Di-n-butylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Di-n-octylphthalate	ND	mg/kg dry	0.380		1	03/18/08
Fluoranthene	**7.09**	mg/kg dry	0.380	20	1	03/18/08
Fluorene	**1.64**	mg/kg dry	0.380	28	1	03/18/08
Hexachlorobenzene	ND	mg/kg dry	0.190	0.4	1	03/18/08
Hexachlorobutadiene	ND	mg/kg dry	0.380	8.2	1	03/18/08
Hexachlorocyclopentadiene	ND	mg/kg dry	1.90		1	03/18/08
Hexachloroethane	ND	mg/kg dry	0.380	46	1	03/18/08
Indeno(1,2,3-cd)Pyrene	**0.573**	mg/kg dry	0.380	0.9	1	03/18/08
Isophorone	ND	mg/kg dry	0.380		1	03/18/08
Naphthalene	**1.61**	mg/kg dry	0.380	54	1	03/18/08
Nitrobenzene	ND	mg/kg dry	0.380		1	03/18/08
N-Nitrosodimethylamine	ND	mg/kg dry	0.380		1	03/18/08
N-Nitroso-Di-n-Propylamine	ND	mg/kg dry	0.380		1	03/18/08
N-nitrosodiphenylamine	ND	mg/kg dry	0.380		1	03/18/08
Pentachlorophenol	ND	mg/kg dry	1.90	5.3	1	03/18/08
Phenanthrene	**7.56**	mg/kg dry	0.380	40	1	03/18/08
Phenol	ND	mg/kg dry	0.380	6000	1	03/18/08

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86
Initial Volume: 15.3
Final Volume: 0.5
Extraction Method: 3541

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil
Analyst: VSC
Prepared: 03/17/08

8270C Semi-Volatile Organic Compounds

Pyrene	**4.83**	mg/kg dry	0.380	13	1	03/18/08
Pyridine	ND	mg/kg dry	1.90		1	03/18/08

	%Recovery	*Qualifier*	*Limits*
Surrogate: 1,2-Dichlorobenzene-d4	*59 %*		*30-130*
Surrogate: 2,4,6-Tribromophenol	*82 %*		*30-130*
Surrogate: 2-Chlorophenol-d4	*58 %*		*30-130*
Surrogate: 2-Fluorobiphenyl	*68 %*		*30-130*
Surrogate: 2-Fluorophenol	*56 %*		*30-130*
Surrogate: Nitrobenzene-d5	*64 %*		*30-130*
Surrogate: Phenol-d6	*64 %*		*30-130*
Surrogate: p-Terphenyl-d14	*76 %*		*30-130*

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA
Client Sample ID: OFFTA-WC-15
Date Sampled: 03/17/08 09:00
Percent Solids: 86

ESS Laboratory Work Order: 0803202
ESS Laboratory Sample ID: 0803202-02
Sample Matrix: Soil

Classical Chemistry

					RI - RES DEC			
Analyte	**Results**	**Units**	**MRL**	**Method**	**Limit**	**DF**	**Analyst**	**Analyzed**
Corrosivity (pH)	**7.51**	S.U.	N/A	9045		1	EEM	03/17/08 16:50

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte		Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
1311/6000/7000 TCLP Metals											
Batch BC81813 - 3005A											
Blank											
Lead		ND	0.020	mg/L							
LCS											
Lead		0.524	0.020	mg/L	0.5000		105	80-120			
LCS Dup											
Lead		0.517	0.020	mg/L	0.5000		103	80-120	1	20	
Duplicate	**Source: 0803202-01**										
Lead		1.80	0.200	mg/L		1.70			6	20	
Matrix Spike	**Source: 0803202-01**										
Lead		6.65	0.200	mg/L	5.000	1.70	99	75-125			
3050B/6000/7000 Total Metals											
Batch BC81714 - 30S0B											
Blank											
Arsenic		ND	3.3	mg/kg wet							
Barium		ND	3.3	mg/kg wet							
Cadmium		ND	0.67	mg/kg wet							
Chromium		ND	1.3	mg/kg wet							
Lead		ND	6.7	mg/kg wet							
Selenium		ND	6.7	mg/kg wet							
Silver		ND	0.67	mg/kg wet							
LCS											
Arsenic		30.6	3.3	mg/kg wet	33.33		92	80-120			
Barium		32.6	3.3	mg/kg wet	33.33		98	80-120			
Cadmium		15.5	0.67	mg/kg wet	16.67		93	80-120			
Chromium		33.2	1.3	mg/kg wet	33.33		99	80-120			
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120			
Selenium		61.4	6.7	mg/kg wet	66.67		92	80-120			
Silver		16.2	0.67	mg/kg wet	16.67		97	80-120			
LCS Dup											
Arsenic		31.2	3.3	mg/kg wet	33.33		94	80-120	2	20	
Barium		32.7	3.3	mg/kg wet	33.33		98	80-120	0.4	20	
Cadmium		15.4	0.67	mg/kg wet	16.67		92	80-120	1	20	
Chromium		33.3	1.3	mg/kg wet	33.33		100	80-120	0.5	20	
Lead		33.9	6.7	mg/kg wet	33.33		102	80-120	0.1	20	
Selenium		61.4	6.7	mg/kg wet	66.67		92	80-120	0.03	20	
Silver		16.3	0.67	mg/kg wet	16.67		98	80-120	0.5	20	
Reference											
Arsenic		76.6	5.0	mg/kg wet	88.80		86	80.86-119.37			
Barium		399	5.0	mg/kg wet	427.0		94	82.67-117.33			
Cadmium		56.3	1.00	mg/kg wet	63.00		89	82.06-117.94			
Chromium		86.5	2.0	mg/kg wet	97.90		88	78.86-120.53			
Lead		85.0	10.0	mg/kg wet	88.90		96	81.78-118.11			
Selenium		139	10.0	mg/kg wet	155.0		90	77.42-122.58			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
3050B/6000/7000 Total Metals										
Batch BC81714 - 3050B										
Silver	76.9	1.00	mg/kg wet	81.60		94	66.3-133.58			
Batch BC81715 - 7471A										
Blank										
Mercury	ND	0.033	mg/kg wet							
LCS										
Mercury	0.213	0.033	mg/kg wet	0.2000		107	80-120			
LCS Dup										
Mercury	0.217	0.033	mg/kg wet	0.2000		109	80-120	2	20	
Reference										
Mercury	5.02	0.330	mg/kg wet	4.470		112	66-132.66			
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Blank										
1,1,1,2-Tetrachloroethane	ND	0.100	mg/kg wet							
1,1,1-Trichloroethane	ND	0.0500	mg/kg wet							
1,1,2,2-Tetrachloroethane	ND	0.0500	mg/kg wet							
1,1,2-Trichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethane	ND	0.0500	mg/kg wet							
1,1-Dichloroethene	ND	0.0500	mg/kg wet							
1,1-Dichloropropene	ND	0.0500	mg/kg wet							
1,2,3-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,3-Trichloropropane	ND	0.0500	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.0500	mg/kg wet							
1,2,4-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,2-Dibromo-3-Chloropropane	ND	0.300	mg/kg wet							
1,2-Dibromoethane	ND	0.0500	mg/kg wet							
1,2-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,2-Dichloroethane	ND	0.0500	mg/kg wet							
1,2-Dichloropropane	ND	0.0500	mg/kg wet							
1,3,5-Trimethylbenzene	ND	0.0500	mg/kg wet							
1,3-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,3-Dichloropropane	ND	0.0500	mg/kg wet							
1,4-Dichlorobenzene	ND	0.0500	mg/kg wet							
1,4-Dioxane - Screen	ND	5.00	mg/kg wet							
1-Chlorohexane	ND	0.0500	mg/kg wet							
2,2-Dichloropropane	ND	0.100	mg/kg wet							
2-Butanone	ND	1.25	mg/kg wet							
2-Chlorotoluene	ND	0.0500	mg/kg wet							
2-Hexanone	ND	0.500	mg/kg wet							
4-Chlorotoluene	ND	0.0500	mg/kg wet							
4-Isopropyltoluene	ND	0.0500	mg/kg wet							
4-Methyl-2-Pentanone	ND	0.500	mg/kg wet							
Acetone	ND	1.25	mg/kg wet							

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Benzene	ND	0.0500	mg/kg wet							
Bromobenzene	ND	0.0500	mg/kg wet							
Bromochloromethane	ND	0.0500	mg/kg wet							
Bromodichloromethane	ND	0.0500	mg/kg wet							
Bromoform	ND	0.0500	mg/kg wet							
Bromomethane	ND	0.100	mg/kg wet							
Carbon Disulfide	ND	0.0500	mg/kg wet							
Carbon Tetrachloride	ND	0.0500	mg/kg wet							
Chlorobenzene	ND	0.0500	mg/kg wet							
Chloroethane	ND	0.100	mg/kg wet							
Chloroform	ND	0.0500	mg/kg wet							
Chloromethane	ND	0.100	mg/kg wet							
cis-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
cis-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Dibromochloromethane	ND	0.0500	mg/kg wet							
Dibromomethane	ND	0.0500	mg/kg wet							
Dichlorodifluoromethane	ND	0.0500	mg/kg wet							
Diethyl Ether	ND	0.0500	mg/kg wet							
Di-isopropyl ether	ND	0.0500	mg/kg wet							
Ethyl tertiary-butyl ether	ND	0.0500	mg/kg wet							
Ethylbenzene	ND	0.0500	mg/kg wet							
Hexachlorobutadiene	ND	0.0500	mg/kg wet							
Isopropylbenzene	ND	0.0500	mg/kg wet							
Methyl tert-Butyl Ether	ND	0.0500	mg/kg wet							
Methylene Chloride	ND	0.250	mg/kg wet							
Naphthalene	ND	0.0500	mg/kg wet							
n-Butylbenzene	ND	0.0500	mg/kg wet							
n-Propylbenzene	ND	0.0500	mg/kg wet							
sec-Butylbenzene	ND	0.0500	mg/kg wet							
Styrene	ND	0.0500	mg/kg wet							
tert-Butylbenzene	ND	0.0500	mg/kg wet							
Tertiary-amyl methyl ether	ND	0.0500	mg/kg wet							
Tetrachloroethene	ND	0.0500	mg/kg wet							
Tetrahydrofuran	ND	0.500	mg/kg wet							
Toluene	ND	0.0500	mg/kg wet							
trans-1,2-Dichloroethene	ND	0.0500	mg/kg wet							
trans-1,3-Dichloropropene	ND	0.0500	mg/kg wet							
Trichloroethene	ND	0.0500	mg/kg wet							
Vinyl Acetate	ND	0.250	mg/kg wet							
Vinyl Chloride	ND	0.0500	mg/kg wet							
Xylene O	ND	0.0500	mg/kg wet							
Xylene P,M	ND	0.100	mg/kg wet							
Surrogate: 1,2-Dichloroethane-d4	*2.22*		mg/kg wet	*2.500*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.15*		mg/kg wet	*2.500*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*2.30*		mg/kg wet	*2.500*		*92*	*70-130*			
Surrogate: Toluene-d8	*2.21*		mg/kg wet	*2.500*		*88*	*70-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
LCS										
1,1,1,2-Tetrachloroethane	23.8		ug/L	25.00		95	70-130			
1,1,1-Trichloroethane	25.1		ug/L	25.00		101	70-130			
1,1,2,2-Tetrachloroethane	22.7		ug/L	25.00		91	70-130			
1,1,2-Trichloroethane	23.3		ug/L	25.00		93	70-130			
1,1-Dichloroethane	24.5		ug/L	25.00		98	70-130			
1,1-Dichloroethene	26.9		ug/L	25.00		107	70-130			
1,1-Dichloropropene	25.8		ug/L	25.00		103	70-130			
1,2,3-Trichlorobenzene	28.6		ug/L	25.00		114	70-130			
1,2,3-Trichloropropane	24.1		ug/L	25.00		96	70-130			
1,2,4-Trichlorobenzene	25.4		ug/L	25.00		102	70-130			
1,2,4-Trimethylbenzene	26.5		ug/L	25.00		106	70-130			
1,2-Dibromo-3-Chloropropane	25.0		ug/L	25.00		100	70-130			
1,2-Dibromoethane	24.1		ug/L	25.00		97	70-130			
1,2-Dichlorobenzene	24.9		ug/L	25.00		100	70-130			
1,2-Dichloroethane	24.5		ug/L	25.00		98	70-130			
1,2-Dichloropropane	24.3		ug/L	25.00		97	70-130			
1,3,5-Trimethylbenzene	25.5		ug/L	25.00		102	70-130			
1,3-Dichlorobenzene	25.0		ug/L	25.00		100	70-130			
1,3-Dichloropropane	24.2		ug/L	25.00		97	70-130			
1,4-Dichlorobenzene	24.8		ug/L	25.00		99	70-130			
1,4-Dioxane - Screen	778		ug/L	500.0		156	44-241			
1-Chlorohexane	24.1		ug/L	25.00		97	70-130			
2,2-Dichloropropane	28.2		ug/L	25.00		113	70-130			
2-Butanone	139		ug/L	125.0		111	70-130			
2-Chlorotoluene	27.8		ug/L	25.00		111	70-130			
2-Hexanone	114		ug/L	125.0		92	70-130			
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130			
4-Isopropyltoluene	25.3		ug/L	25.00		101	70-130			
4-Methyl-2-Pentanone	107		ug/L	125.0		86	70-130			
Acetone	134		ug/L	125.0		107	70-130			
Benzene	24.9		ug/L	25.00		100	70-130			
Bromobenzene	24.8		ug/L	25.00		99	70-130			
Bromochloromethane	22.8		ug/L	25.00		91	70-130			
Bromodichloromethane	26.0		ug/L	25.00		104	70-130			
Bromoform	24.8		ug/L	25.00		99	70-130			
Bromomethane	26.8		ug/L	25.00		107	70-130			
Carbon Disulfide	28.7		ug/L	25.00		115	70-130			
Carbon Tetrachloride	26.4		ug/L	25.00		105	70-130			
Chlorobenzene	24.9		ug/L	25.00		100	70-130			
Chloroethane	25.2		ug/L	25.00		101	70-130			
Chloroform	24.1		ug/L	25.00		96	70-130			
Chloromethane	20.9		ug/L	25.00		84	70-130			
cis-1,2-Dichloroethene	26.9		ug/L	25.00		107	70-130			
cis-1,3-Dichloropropene	24.5		ug/L	25.00		98	70-130			
Dibromochloromethane	26.0		ug/L	25.00		104	70-130			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
Dibromomethane	23.3		ug/L	25.00		93	70-130			
Dichlorodifluoromethane	18.1		ug/L	25.00		72	70-130			
Diethyl Ether	25.0		ug/L	25.00		100	70-130			
Di-isopropyl ether	24.0		ug/L	25.00		96	70-130			
Ethyl tertiary-butyl ether	23.7		ug/L	25.00		95	70-130			
Ethylbenzene	24.7		ug/L	25.00		99	70-130			
Hexachlorobutadiene	29.7		ug/L	25.00		119	70-130			
Isopropylbenzene	22.8		ug/L	25.00		91	70-130			
Methyl tert-Butyl Ether	24.1		ug/L	25.00		96	70-130			
Methylene Chloride	26.0		ug/L	25.00		104	70-130			
Naphthalene	24.1		ug/L	25.00		96	70-130			
n-Butylbenzene	28.1		ug/L	25.00		112	*70-130*			
n-Propylbenzene	25.0		ug/L	25.00		100	70-130			
sec-Butylbenzene	26.1		ug/L	25.00		104	70-130			
Styrene	24.9		ug/L	25.00		100	70-130			
tert-Butylbenzene	25.7		ug/L	25.00		103	70-130			
Tertiary-amyl methyl ether	23.8		ug/L	25.00		95	70-130			
Tetrachloroethene	25.7		ug/L	25.00		103	70-130			
Tetrahydrofuran	25.8		ug/L	25.00		103	70-130			
Toluene	24.8		ug/L	25.00		99	70-130			
trans-1,2-Dichloroethene	27.4		ug/L	25.00		110	70-130			
trans-1,3-Dichloropropene	21.7		ug/L	25.00		87	70-130			
Trichloroethene	25.1		ug/L	25.00		101	70-130			
Vinyl Acetate	25.0		ug/L	25.00		100	70-130			
Vinyl Chloride	28.0		ug/L	25.00		112	70-130			
Xylene O	25.2		ug/L	25.00		101	70-130			
Xylene P,M	50.6		ug/L	50.00		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	*2.22*		mg/kg wet	*2.500*		*89*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.16*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*2.24*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: Toluene-d8	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
LCS Dup										
1,1,1,2-Tetrachloroethane	24.7		ug/L	25.00		99	70-130	4	20	
1,1,1-Trichloroethane	26.0		ug/L	25.00		104	70-130	3	20	
1,1,2,2-Tetrachloroethane	23.5		ug/L	25.00		94	70-130	4	20	
1,1,2-Trichloroethane	24.8		ug/L	25.00		99	70-130	6	20	
1,1-Dichloroethane	25.0		ug/L	25.00		100	70-130	2	20	
1,1-Dichloroethene	27.7		ug/L	25.00		111	70-130	3	20	
1,1-Dichloropropene	26.5		ug/L	25.00		106	70-130	2	20	
1,2,3-Trichlorobenzene	29.6		ug/L	25.00		118	70-130	4	20	
1,2,3-Trichloropropane	25.2		ug/L	25.00		101	70-130	4	20	
1,2,4-Trichlorobenzene	25.6		ug/L	25.00		102	70-130	0.7	20	
1,2,4-Trimethylbenzene	26.5		ug/L	25.00		106	70-130	0.04	20	
1,2-Dibromo-3-Chloropropane	26.0		ug/L	25.00		104	70-130	4	20	
1,2-Dibromoethane	25.3		ug/L	25.00		101	70-130	5	20	
1,2-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	1	20	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
1,2-Dichloroethane	25.5		ug/L	25.00		102	70-130	4	20	
1,2-Dichloropropane	25.3		ug/L	25.00		101	70-130	4	20	
1,3,5-Trimethylbenzene	25.5		ug/L	25.00		102	70-130	0.1	20	
1,3-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	0.7	20	
1,3-Dichloropropane	25.2		ug/L	25.00		101	70-130	4	20	
1,4-Dichlorobenzene	25.2		ug/L	25.00		101	70-130	1	20	
1,4-Dioxane - Screen	920		ug/L	500.0		184	44-241	17	200	
1-Chlorohexane	24.5		ug/L	25.00		98	70-130	2	20	
2,2-Dichloropropane	29.5		ug/L	25.00		118	70-130	4	20	
2-Butanone	146		ug/L	125.0		117	70-130	5	20	
2-Chlorotoluene	26.8		ug/L	25.00		107	70-130	4	20	
2-Hexanone	129		ug/L	125.0		103	70-130	12	20	
4-Chlorotoluene	24.8		ug/L	25.00		99	70-130	0.2	20	
4-Isopropyltoluene	25.0		ug/L	25.00		100	70-130	1	20	
4-Methyl-2-Pentanone	117		ug/L	125.0		94	70-130	9	20	
Acetone	129		ug/L	125.0		103	70-130	4	20	
Benzene	25.4		ug/L	25.00		102	70-130	2	20	
Bromobenzene	25.1		ug/L	25.00		100	70-130	1	20	
Bromochloromethane	24.1		ug/L	25.00		96	70-130	6	20	
Bromodichloromethane	27.2		ug/L	25.00		109	70-130	4	20	
Bromoform	26.2		ug/L	25.00		105	70-130	5	20	
Bromomethane	29.8		ug/L	25.00		119	70-130	10	20	
Carbon Disulfide	26.0		ug/L	25.00		104	70-130	10	20	
Carbon Tetrachloride	27.3		ug/L	25.00		109	70-130	4	20	
Chlorobenzene	25.6		ug/L	25.00		102	70-130	2	20	
Chloroethane	25.9		ug/L	25.00		104	70-130	3	20	
Chloroform	25.0		ug/L	25.00		100	70-130	4	20	
Chloromethane	21.4		ug/L	25.00		86	70-130	2	20	
cis-1,2-Dichloroethene	27.4		ug/L	25.00		110	70-130	2	20	
cis-1,3-Dichloropropene	25.7		ug/L	25.00		103	70-130	5	20	
Dibromochloromethane	27.2		ug/L	25.00		109	70-130	5	20	
Dibromomethane	24.7		ug/L	25.00		99	70-130	6	20	
Dichlorodifluoromethane	18.9		ug/L	25.00		76	70-130	5	20	
Diethyl Ether	26.4		ug/L	25.00		106	70-130	6	20	
Di-isopropyl ether	24.7		ug/L	25.00		99	70-130	3	20	
Ethyl tertiary-butyl ether	24.6		ug/L	25.00		98	70-130	4	20	
Ethylbenzene	25.2		ug/L	25.00		101	70-130	2	20	
Hexachlorobutadiene	28.5		ug/L	25.00		114	70-130	4	20	
Isopropylbenzene	22.7		ug/L	25.00		91	70-130	0.4	20	
Methyl tert-Butyl Ether	25.4		ug/L	25.00		101	70-130	5	20	
Methylene Chloride	26.4		ug/L	25.00		106	70-130	2	20	
Naphthalene	24.9		ug/L	25.00		100	70-130	3	20	
n-Butylbenzene	27.6		ug/L	25.00		110	70-130	2	20	
n-Propylbenzene	25.6		ug/L	25.00		102	70-130	3	20	
sec-Butylbenzene	25.9		ug/L	25.00		103	70-130	0.9	20	
Styrene	25.5		ug/L	25.00		102	70-130	2	20	

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Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
5035/8260B Volatile Organic Compounds / Methanol										
Batch BC81905 - 5035										
tert-Butylbenzene	25.6		ug/L	25.00		102	70-130	0.5	20	
Tertiary-amyl methyl ether	25.2		ug/L	25.00		101	70-130	6	20	
Tetrachloroethene	26.6		ug/L	25.00		106	70-130	3	20	
Tetrahydrofuran	27.9		ug/L	25.00		112	70-130	8	20	
Toluene	25.6		ug/L	25.00		102	70-130	3	20	
trans-1,2-Dichloroethene	28.0		ug/L	25.00		112	70-130	2	20	
trans-1,3-Dichloropropene	22.8		ug/L	25.00		91	70-130	5	20	
Trichloroethene	26.0		ug/L	25.00		104	70-130	3	20	
Vinyl Acetate	25.7		ug/L	25.00		103	70-130	3	20	
Vinyl Chloride	29.3		ug/L	25.00		117	70-130	4	20	
Xylene O	25.4		ug/L	25.00		102	70-130	1	20	
Xylene P,M	51.4		ug/L	50.00		103	70-130	2	20	
Surrogate: 1,2-Dichloroethane-d4	*2.26*		mg/kg wet	*2.500*		*90*	*70-130*			
Surrogate: 4-Bromofluorobenzene	*2.17*		mg/kg wet	*2.500*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*2.27*		mg/kg wet	*2.500*		*91*	*70-130*			
Surrogate: Toluene-d8	*2.26*		mg/kg wet	*2.500*		*90*	*70-130*			
8015M Diesel Range Organics										
Batch BC81703 - 3541										
Blank										
Decane (C10)	ND	0.26	mg/kg wet							
Diesel Range Organics	ND	37.5	mg/kg wet							
Docosane (C22)	ND	0.26	mg/kg wet							
Dodecane (C12)	ND	0.26	mg/kg wet							
Eicosane (C20)	ND	0.26	mg/kg wet							
Hexacosane (C26)	ND	0.26	mg/kg wet							
Hexadecane (C16)	ND	0.26	mg/kg wet							
Nonadecane (C19)	ND	0.26	mg/kg wet							
Octacosane (C28)	ND	0.26	mg/kg wet							
Octadecane (C18)	ND	0.26	mg/kg wet							
Tetracosane (C24)	ND	0.26	mg/kg wet							
Tetradecane (C14)	ND	0.26	mg/kg wet							
Surrogate: O-Terphenyl	*3.96*		mg/kg wet	*5.000*		*79*	*40-140*			
LCS										
Decane (C10)	1.59	0.26	mg/kg wet	2.500		64	40-140			
Docosane (C22)	2.03	0.26	mg/kg wet	2.500		81	40-140			
Dodecane (C12)	1.80	0.26	mg/kg wet	2.500		72	40-140			
Eicosane (C20)	2.01	0.26	mg/kg wet	2.500		80	40-140			
Hexacosane (C26)	2.04	0.26	mg/kg wet	2.500		81	40-140			
Hexadecane (C16)	1.94	0.26	mg/kg wet	2.500		77	40-140			
Nonadecane (C19)	2.09	0.26	mg/kg wet	2.500		84	40-140			
Octacosane (C28)	2.05	0.26	mg/kg wet	2.500		82	40-140			
Octadecane (C18)	1.97	0.26	mg/kg wet	2.500		79	40-140			
Tetracosane (C24)	2.03	0.26	mg/kg wet	2.500		81	40-140			

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8015M Diesel Range Organics										
Batch BC81703 - 3541										
Tetradecane (C14)	1.88	0.26	mg/kg wet	2.500		75	40-140			
Surrogate: O-Terphenyl	*3.92*		mg/kg wet	*5.000*		*78*	*40-140*			
LCS Dup										
Decane (C10)	1.72	0.26	mg/kg wet	2.500		69	40-140	8	50	
Docosane (C22)	2.21	0.26	mg/kg wet	2.500		88	40-140	8	50	
Dodecane (C12)	1.93	0.26	mg/kg wet	2.500		77	40-140	7	50	
Eicosane (C20)	2.20	0.26	mg/kg wet	2.500		88	40-140	9	50	
Hexacosane (C26)	2.22	0.26	mg/kg wet	2.500		89	40-140	9	50	
Hexadecane (C16)	2.12	0.26	mg/kg wet	2.500		85	40-140	9	50	
Nonadecane (C19)	2.30	0.26	mg/kg wet	2.500		92	40-140	9	50	
Octacosane (C28)	2.23	0.26	mg/kg wet	2.500		89	40-140	9	50	
Octadecane (C18)	2.16	0.26	mg/kg wet	2.500		86	40-140	9	50	
Tetracosane (C24)	2.21	0.26	mg/kg wet	2.500		88	40-140	9	50	
Tetradecane (C14)	2.05	0.26	mg/kg wet	2.500		82	40-140	9	50	
Surrogate: O-Terphenyl	*4.22*		mg/kg wet	*5.000*		*84*	*40-140*			
8015M Gasoline Range Organics / Methanol										
Batch BC81808 - 5035										
Blank										
Gasoline Range Organics	ND	1.25	mg/kg wet							
Surrogate: 2,5-Dibromotoluene - FID	*60.7*		ug/L	*50.00*		*121*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.12*		mg/kg wet	*1.333*		*84*	*70-130*			
LCS										
Gasoline Range Organics	468		ug/L	500.0		94	60-140			
Surrogate: 2,5-Dibromotoluene - FID	*56.2*		ug/L	*50.00*		*112*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.34*		mg/kg wet	*1.333*		*101*	*70-130*			
LCS Dup										
Gasoline Range Organics	467		ug/L	500.0		93	60-140	0.02	20	
Surrogate: 2,5-Dibromotoluene - FID	*56.2*		ug/L	*50.00*		*112*	*70-130*			
Surrogate: Trifluorotoluene - FID	*1.30*		mg/kg wet	*1.333*		*97*	*70-130*			
8082 Polychlorinated Biphenyls (PCB)										
Batch BC81713 - 3541										
Blank										
Aroclor 1016	ND	0.0500	mg/kg wet							
Aroclor 1221	ND	0.0500	mg/kg wet							
Aroclor 1232	ND	0.0500	mg/kg wet							
Aroclor 1242	ND	0.0500	mg/kg wet							
Aroclor 1248	ND	0.0500	mg/kg wet							
Aroclor 1254	ND	0.0500	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8082 Polychlorinated Biphenyls (PCB)										
Batch BC81713 - 3541										
Aroclor 1260	ND	0.0500	mg/kg wet							
Aroclor 1262	ND	0.0500	mg/kg wet							
Aroclor 1268	ND	0.0500	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.0196*		mg/kg wet	*0.02500*		*78*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0201*		mg/kg wet	*0.02500*		*81*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0206*		mg/kg wet	*0.02500*		*82*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0233*		mg/kg wet	*0.02500*		*93*	*30-150*			
LCS										
Aroclor 1016	0.507	0.0500	mg/kg wet	0.5000		101	40-140			
Aroclor 1260	0.480	0.0500	mg/kg wet	0.5000		96	40-140			
Surrogate: Decachlorobiphenyl	*0.0196*		mg/kg wet	*0.02500*		*79*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0200*		mg/kg wet	*0.02500*		*80*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0225*		mg/kg wet	*0.02500*		*90*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0239*		mg/kg wet	*0.02500*		*96*	*30-150*			
LCS Dup										
Aroclor 1016	0.537	0.0500	mg/kg wet	0.5000		107	40-140	6	50	
Aroclor 1260	0.515	0.0500	mg/kg wet	0.5000		103	40-140	7	50	
Surrogate: Decachlorobiphenyl	*0.0213*		mg/kg wet	*0.02500*		*85*	*30-150*			
Surrogate: Decachlorobiphenyl [2C]	*0.0215*		mg/kg wet	*0.02500*		*86*	*30-150*			
Surrogate: Tetrachloro-m-xylene	*0.0242*		mg/kg wet	*0.02500*		*97*	*30-150*			
Surrogate: Tetrachloro-m-xylene [2C]	*0.0256*		mg/kg wet	*0.02500*		*102*	*30-150*			
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Blank										
1,1-Biphenyl	ND	0.250	mg/kg wet							
1,2,4-Trichlorobenzene	ND	0.250	mg/kg wet							
1,2-Dichlorobenzene	ND	0.250	mg/kg wet							
1,3-Dichlorobenzene	ND	0.250	mg/kg wet							
1,4-Dichlorobenzene	ND	0.250	mg/kg wet							
2,3,4,6-Tetrachlorophenol	ND	1.25	mg/kg wet							
2,4,5-Trichlorophenol	ND	0.250	mg/kg wet							
2,4,6-Trichlorophenol	ND	0.250	mg/kg wet							
2,4-Dichlorophenol	ND	0.250	mg/kg wet							
2,4-Dimethylphenol	ND	0.250	mg/kg wet							
2,4-Dinitrophenol	ND	1.25	mg/kg wet							
2,4-Dinitrotoluene	ND	0.250	mg/kg wet							
2,6-Dinitrotoluene	ND	0.250	mg/kg wet							
2-Chloronaphthalene	ND	0.250	mg/kg wet							
2-Chlorophenol	ND	0.250	mg/kg wet							
2-Methylnaphthalene	ND	0.250	mg/kg wet							
2-Methylphenol	ND	0.250	mg/kg wet							
2-Nitroaniline	ND	0.250	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
2-Nitrophenol	ND	0.250	mg/kg wet							
3,3´-Dichlorobenzidine	ND	0.500	mg/kg wet							
3+4-Methylphenol	ND	0.500	mg/kg wet							
3-Nitroaniline	ND	0.250	mg/kg wet							
4,6-Dinitro-2-Methylphenol	ND	1.25	mg/kg wet							
4-Bromophenyl-phenylether	ND	0.250	mg/kg wet							
4-Chloro-3-Methylphenol	ND	0.250	mg/kg wet							
4-Chloroaniline	ND	0.500	mg/kg wet							
4-Chloro-phenyl-phenyl ether	ND	0.250	mg/kg wet							
4-Nitroaniline	ND	0.250	mg/kg wet							
4-Nitrophenol	ND	1.25	mg/kg wet							
Acenaphthene	ND	0.250	mg/kg wet							
Acenaphthylene	ND	0.250	mg/kg wet							
Acetophenone	ND	0.500	mg/kg wet							
Aniline	ND	1.25	mg/kg wet							
Anthracene	ND	0.250	mg/kg wet							
Azobenzene	ND	0.250	mg/kg wet							
Benzo(a)anthracene	ND	0.250	mg/kg wet							
Benzo(a)pyrene	ND	0.125	mg/kg wet							
Benzo(b)fluoranthene	ND	0.250	mg/kg wet							
Benzo(g,h,i)perylene	ND	0.250	mg/kg wet							
Benzo(k)fluoranthene	ND	0.250	mg/kg wet							
Benzoic Acid	ND	1.25	mg/kg wet							
Benzyl Alcohol	ND	0.250	mg/kg wet							
bis(2-Chloroethoxy)methane	ND	0.250	mg/kg wet							
bis(2-Chloroethyl)ether	ND	0.250	mg/kg wet							
bis(2-chloroisopropyl)Ether	ND	0.250	mg/kg wet							
bis(2-Ethylhexyl)phthalate	ND	0.250	mg/kg wet							
Butylbenzylphthalate	ND	0.250	mg/kg wet							
Carbazole	ND	0.250	mg/kg wet							
Chrysene	ND	0.125	mg/kg wet							
Dibenzo(a,h)Anthracene	ND	0.125	mg/kg wet							
Dibenzofuran	ND	0.250	mg/kg wet							
Diethylphthalate	ND	0.250	mg/kg wet							
Dimethylphthalate	ND	0.250	mg/kg wet							
Di-n-butylphthalate	ND	0.250	mg/kg wet							
Di-n-octylphthalate	ND	0.250	mg/kg wet							
Fluoranthene	ND	0.250	mg/kg wet							
Fluorene	ND	0.250	mg/kg wet							
Hexachlorobenzene	ND	0.125	mg/kg wet							
Hexachlorobutadiene	ND	0.250	mg/kg wet							
Hexachlorocyclopentadiene	ND	1.25	mg/kg wet							
Hexachloroethane	ND	0.250	mg/kg wet							
Indeno(1,2,3-cd)Pyrene	ND	0.250	mg/kg wet							
Isophorone	ND	0.250	mg/kg wet							
Naphthalene	ND	0.250	mg/kg wet							

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Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Nitrobenzene	ND	0.250	mg/kg wet							
N-Nitrosodimethylamine	ND	0.250	mg/kg wet							
N-Nitroso-Di-n-Propylamine	ND	0.250	mg/kg wet							
N-nitrosodiphenylamine	ND	0.250	mg/kg wet							
Pentachlorophenol	ND	1.25	mg/kg wet							
Phenanthrene	ND	0.250	mg/kg wet							
Phenol	ND	0.250	mg/kg wet							
Pyrene	ND	0.250	mg/kg wet							
Pyridine	ND	1.25	mg/kg wet							
Surrogate: 1,2-Dichlorobenzene-d4	*2.07*		mg/kg wet	*2.500*		*83*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.02*		mg/kg wet	*3.750*		*80*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.61*		mg/kg wet	*3.750*		*70*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.96*		mg/kg wet	*2.500*		*79*	*30-130*			
Surrogate: 2-Fluorophenol	*2.65*		mg/kg wet	*3.750*		*71*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.85*		mg/kg wet	*2.500*		*74*	*30-130*			
Surrogate: Phenol-d6	*2.91*		mg/kg wet	*3.750*		*78*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.02*		mg/kg wet	*2.500*		*81*	*30-130*			
LCS										
1,1-Biphenyl	1.83	0.250	mg/kg wet	2.500		73	40-140			
1,2,4-Trichlorobenzene	2.08	0.250	mg/kg wet	2.500		83	40-140			
1,2-Dichlorobenzene	2.11	0.250	mg/kg wet	2.500		85	40-140			
1,3-Dichlorobenzene	2.01	0.250	mg/kg wet	2.500		80	40-140			
1,4-Dichlorobenzene	1.92	0.250	mg/kg wet	2.500		77	40-140			
2,3,4,6-Tetrachlorophenol	2.21	1.25	mg/kg wet	2.500		88	30-130			
2,4,5-Trichlorophenol	1.96	0.250	mg/kg wet	2.500		78	30-130			
2,4,6-Trichlorophenol	2.13	0.250	mg/kg wet	2.500		85	30-130			
2,4-Dichlorophenol	2.27	0.250	mg/kg wet	2.500		91	30-130			
2,4-Dimethylphenol	2.10	0.250	mg/kg wet	2.500		84	30-130			
2,4-Dinitrophenol	1.80	1.25	mg/kg wet	2.500		72	30-130			
2,4-Dinitrotoluene	2.22	0.250	mg/kg wet	2.500		89	40-140			
2,6-Dinitrotoluene	2.09	0.250	mg/kg wet	2.500		84	40-140			
2-Chloronaphthalene	1.13	0.250	mg/kg wet	2.500		45	40-140			
2-Chlorophenol	1.85	0.250	mg/kg wet	2.500		74	30-130			
2-Methylnaphthalene	2.11	0.250	mg/kg wet	2.500		84	40-140			
2-Methylphenol	2.11	0.250	mg/kg wet	2.500		85	30-130			
2-Nitroaniline	2.14	0.250	mg/kg wet	2.500		86	40-140			
2-Nitrophenol	2.11	0.250	mg/kg wet	2.500		84	30-130			
3,3´-Dichlorobenzidine	2.03	0.500	mg/kg wet	2.500		81	40-140			
3+4-Methylphenol	4.14	0.500	mg/kg wet	5.000		83	30-130			
3-Nitroaniline	1.46	0.250	mg/kg wet	2.500		58	40-140			
4,6-Dinitro-2-Methylphenol	2.22	1.25	mg/kg wet	2.500		89	30-130			
4-Bromophenyl-phenylether	2.24	0.250	mg/kg wet	2.500		90	40-140			
4-Chloro-3-Methylphenol	2.38	0.250	mg/kg wet	2.500		95	30-130			
4-Chloroaniline	0.882	0.500	mg/kg wet	2.500		35	40-140			M-
4-Chloro-phenyl-phenyl ether	2.13	0.250	mg/kg wet	2.500		85	40-140			
4-Nitroaniline	2.26	0.250	mg/kg wet	2.500		90	40-140			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
4-Nitrophenol	1.41	1.25	mg/kg wet	2.500		56	30-130			
Acenaphthene	2.11	0.250	mg/kg wet	2.500		84	40-140			
Acenaphthylene	1.77	0.250	mg/kg wet	2.500		71	40-140			
Acetophenone	2.10	0.500	mg/kg wet	2.500		84	40-140			
Aniline	1.28	1.25	mg/kg wet	2.500		51	40-140			
Anthracene	2.05	0.250	mg/kg wet	2.500		82	40-140			
Azobenzene	1.73	0.250	mg/kg wet	2.500		69	40-140			
Benzo(a)anthracene	2.16	0.250	mg/kg wet	2.500		87	40-140			
Benzo(a)pyrene	2.20	0.125	mg/kg wet	2.500		88	40-140			
Benzo(b)fluoranthene	2.32	0.250	mg/kg wet	2.500		93	40-140			
Benzo(g,h,i)perylene	2.10	0.250	mg/kg wet	2.500		84	40-140			
Benzo(k)fluoranthene	2.00	0.250	mg/kg wet	2.500		80	40-140			
Benzoic Acid	2.06	1.25	mg/kg wet	2.500		83	40-140			
Benzyl Alcohol	1.67	0.250	mg/kg wet	2.500		67	40-140			
bis(2-Chloroethoxy)methane	1.68	0.250	mg/kg wet	2.500		67	40-140			
bis(2-Chloroethyl)ether	1.87	0.250	mg/kg wet	2.500		75	40-140			
bis(2-chloroisopropyl)Ether	2.02	0.250	mg/kg wet	2.500		81	40-140			
bis(2-Ethylhexyl)phthalate	2.09	0.250	mg/kg wet	2.500		84	40-140			
Butylbenzylphthalate	2.12	0.250	mg/kg wet	2.500		85	40-140			
Carbazole	2.31	0.250	mg/kg wet	2.500		92	40-140			
Chrysene	2.08	0.125	mg/kg wet	2.500		83	40-140			
Dibenzo(a,h)Anthracene	2.26	0.125	mg/kg wet	2.500		90	40-140			
Dibenzofuran	2.02	0.250	mg/kg wet	2.500		81	40-140			
Diethylphthalate	2.03	0.250	mg/kg wet	2.500		81	40-140			
Dimethylphthalate	2.02	0.250	mg/kg wet	2.500		81	40-140			
Di-n-butylphthalate	2.13	0.250	mg/kg wet	2.500		85	40-140			
Di-n-octylphthalate	2.20	0.250	mg/kg wet	2.500		88	40-140			
Fluoranthene	2.29	0.250	mg/kg wet	2.500		91	40-140			
Fluorene	2.17	0.250	mg/kg wet	2.500		87	40-140			
Hexachlorobenzene	2.23	0.125	mg/kg wet	2.500		89	40-140			
Hexachlorobutadiene	2.22	0.250	mg/kg wet	2.500		89	40-140			
Hexachlorocyclopentadiene	0.561	1.25	mg/kg wet	2.500		22	40-140			M-
Hexachloroethane	1.46	0.250	mg/kg wet	2.500		58	40-140			
Indeno(1,2,3-cd)Pyrene	2.26	0.250	mg/kg wet	2.500		91	40-140			
Isophorone	1.92	0.250	mg/kg wet	2.500		77	40-140			
Naphthalene	1.99	0.250	mg/kg wet	2.500		79	40-140			
Nitrobenzene	2.05	0.250	mg/kg wet	2.500		82	40-140			
N-Nitrosodimethylamine	1.58	0.250	mg/kg wet	2.500		63	40-140			
N-Nitroso-Di-n-Propylamine	1.81	0.250	mg/kg wet	2.500		72	40-140			
N-nitrosodiphenylamine	1.99	0.250	mg/kg wet	2.500		79	40-140			
Pentachlorophenol	1.85	1.25	mg/kg wet	2.500		74	30-130			
Phenanthrene	2.13	0.250	mg/kg wet	2.500		85	40-140			
Phenol	1.69	0.250	mg/kg wet	2.500		68	30-130			
Pyrene	1.94	0.250	mg/kg wet	2.500		78	40-140			
Pyridine	1.26	1.25	mg/kg wet	2.500		50	40-140			
Surrogate: 1,2-Dichlorobenzene-d4	*2.17*		mg/kg wet	*2.500*		*87*	*30-130*			

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Surrogate: 2,4,6-Tribromophenol	*3.41*		mg/kg wet	*3.750*		*91*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.75*		mg/kg wet	*3.750*		*73*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.93*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: 2-Fluorophenol	*3.01*		mg/kg wet	*3.750*		*80*	*30-130*			
Surrogate: Nitrobenzene-d5	*2.05*		mg/kg wet	*2.500*		*82*	*30-130*			
Surrogate: Phenol-d6	*3.14*		mg/kg wet	*3.750*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.13*		mg/kg wet	*2.500*		*85*	*30-130*			
LCS Dup										
1,1-Biphenyl	1.89	0.250	mg/kg wet	2.500		76	40-140	3	30	
1,2,4-Trichlorobenzene	2.08	0.250	mg/kg wet	2.500		83	40-140	0.2	30	
1,2-Dichlorobenzene	2.12	0.250	mg/kg wet	2.500		85	40-140	0.05	30	
1,3-Dichlorobenzene	1.95	0.250	mg/kg wet	2.500		78	40-140	3	30	
1,4-Dichlorobenzene	2.00	0.250	mg/kg wet	2.500		80	40-140	4	30	
2,3,4,6-Tetrachlorophenol	2.22	1.25	mg/kg wet	2.500		89	30-130	0.8	30	
2,4,5-Trichlorophenol	2.05	0.250	mg/kg wet	2.500		82	30-130	5	30	
2,4,6-Trichlorophenol	2.17	0.250	mg/kg wet	2.500		87	30-130	2	30	
2,4-Dichlorophenol	2.34	0.250	mg/kg wet	2.500		94	30-130	3	30	
2,4-Dimethylphenol	1.94	0.250	mg/kg wet	2.500		78	30-130	8	30	
2,4-Dinitrophenol	1.88	1.25	mg/kg wet	2.500		75	30-130	4	30	
2,4-Dinitrotoluene	2.20	0.250	mg/kg wet	2.500		88	40-140	1	30	
2,6-Dinitrotoluene	2.05	0.250	mg/kg wet	2.500		82	40-140	2	30	
2-Chloronaphthalene	1.40	0.250	mg/kg wet	2.500		56	40-140	21	30	
2-Chlorophenol	1.81	0.250	mg/kg wet	2.500		72	30-130	2	30	
2-Methylnaphthalene	1.94	0.250	mg/kg wet	2.500		78	40-140	8	30	
2-Methylphenol	2.12	0.250	mg/kg wet	2.500		85	30-130	0.2	30	
2-Nitroaniline	2.13	0.250	mg/kg wet	2.500		85	40-140	0.4	30	
2-Nitrophenol	2.13	0.250	mg/kg wet	2.500		85	30-130	0.6	30	
3,3'-Dichlorobenzidine	2.06	0.500	mg/kg wet	2.500		82	40-140	1	30	
3+4-Methylphenol	4.24	0.500	mg/kg wet	5.000		85	30-130	2	30	
3-Nitroaniline	1.49	0.250	mg/kg wet	2.500		60	40-140	2	30	
4,6-Dinitro-2-Methylphenol	2.32	1.25	mg/kg wet	2.500		93	30-130	4	30	
4-Bromophenyl-phenylether	2.27	0.250	mg/kg wet	2.500		91	40-140	1	30	
4-Chloro-3-Methylphenol	2.34	0.250	mg/kg wet	2.500		94	30-130	2	30	
4-Chloroaniline	0.943	0.500	mg/kg wet	2.500		38	40-140	7	30	M-
4-Chloro-phenyl-phenyl ether	2.24	0.250	mg/kg wet	2.500		89	40-140	5	30	
4-Nitroaniline	2.26	0.250	mg/kg wet	2.500		90	40-140	0.03	30	
4-Nitrophenol	1.29	1.25	mg/kg wet	2.500		52	30-130	9	30	
Acenaphthene	2.06	0.250	mg/kg wet	2.500		83	40-140	2	30	
Acenaphthylene	1.85	0.250	mg/kg wet	2.500		74	40-140	5	30	
Acetophenone	2.11	0.500	mg/kg wet	2.500		84	40-140	0.2	30	
Aniline	1.27	1.25	mg/kg wet	2.500		51	40-140	1	30	
Anthracene	2.08	0.250	mg/kg wet	2.500		83	40-140	2	30	
Azobenzene	1.76	0.250	mg/kg wet	2.500		70	40-140	2	30	
Benzo(a)anthracene	2.17	0.250	mg/kg wet	2.500		87	40-140	0.01	30	
Benzo(a)pyrene	2.20	0.125	mg/kg wet	2.500		88	40-140	0.2	30	

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
8270C Semi-Volatile Organic Compounds										
Batch BC81704 - 3541										
Benzo(b)fluoranthene	2.37	0.250	mg/kg wet	2.500		95	40-140	2	30	
Benzo(g,h,i)perylene	2.14	0.250	mg/kg wet	2.500		86	40-140	2	30	
Benzo(k)fluoranthene	2.03	0.250	mg/kg wet	2.500		81	40-140	1	30	
Benzoic Acid	1.90	1.25	mg/kg wet	2.500		76	40-140	8	30	
Benzyl Alcohol	1.67	0.250	mg/kg wet	2.500		67	40-140	0.01	30	
bis(2-Chloroethoxy)methane	1.82	0.250	mg/kg wet	2.500		73	40-140	8	30	
bis(2-Chloroethyl)ether	1.91	0.250	mg/kg wet	2.500		76	40-140	2	30	
bis(2-chloroisopropyl)Ether	2.06	0.250	mg/kg wet	2.500		82	40-140	2	30	
bis(2-Ethylhexyl)phthalate	2.10	0.250	mg/kg wet	2.500		84	40-140	0.6	30	
Butylbenzylphthalate	2.12	0.250	mg/kg wet	2.500		85	40-140	0	30	
Carbazole	2.30	0.250	mg/kg wet	2.500		92	40-140	0.2	30	
Chrysene	2.10	0.125	mg/kg wet	2.500		84	40-140	1	30	
Dibenzo(a,h)Anthracene	2.31	0.125	mg/kg wet	2.500		92	40-140	2	30	
Dibenzofuran	2.07	0.250	mg/kg wet	2.500		83	40-140	2	30	
Diethylphthalate	2.08	0.250	mg/kg wet	2.500		83	40-140	2	30	
Dimethylphthalate	2.10	0.250	mg/kg wet	2.500		84	40-140	4	30	
Di-n-butylphthalate	2.18	0.250	mg/kg wet	2.500		87	40-140	2	30	
Di-n-octylphthalate	2.23	0.250	mg/kg wet	2.500		89	40-140	2	30	
Fluoranthene	2.32	0.250	mg/kg wet	2.500		93	40-140	2	30	
Fluorene	2.16	0.250	mg/kg wet	2.500		86	40-140	0.8	30	
Hexachlorobenzene	2.23	0.125	mg/kg wet	2.500		89	40-140	0.3	30	
Hexachlorobutadiene	2.29	0.250	mg/kg wet	2.500		92	40-140	3	30	
Hexachlorocyclopentadiene	0.605	1.25	mg/kg wet	2.500		24	40-140	7	30	M-
Hexachloroethane	1.53	0.250	mg/kg wet	2.500		61	40-140	5	30	
Indeno(1,2,3-cd)Pyrene	2.26	0.250	mg/kg wet	2.500		91	40-140	0.07	30	
Isophorone	1.72	0.250	mg/kg wet	2.500		69	40-140	11	30	
Naphthalene	1.85	0.250	mg/kg wet	2.500		74	40-140	7	30	
Nitrobenzene	1.74	0.250	mg/kg wet	2.500		69	40-140	16	30	
N-Nitrosodimethylamine	1.56	0.250	mg/kg wet	2.500		62	40-140	1	30	
N-Nitroso-Di-n-Propylamine	1.62	0.250	mg/kg wet	2.500		65	40-140	11	30	
N-nitrosodiphenylamine	2.04	0.250	mg/kg wet	2.500		82	40-140	3	30	
Pentachlorophenol	1.86	1.25	mg/kg wet	2.500		75	30-130	0.6	30	
Phenanthrene	2.16	0.250	mg/kg wet	2.500		86	40-140	1	30	
Phenol	1.63	0.250	mg/kg wet	2.500		65	30-130	4	30	
Pyrene	1.92	0.250	mg/kg wet	2.500		77	40-140	0.9	30	
Pyridine	1.25	1.25	mg/kg wet	2.500		50	40-140	0.7	30	
Surrogate: 1,2-Dichlorobenzene-d4	*2.14*		mg/kg wet	*2.500*		*86*	*30-130*			
Surrogate: 2,4,6-Tribromophenol	*3.39*		mg/kg wet	*3.750*		*90*	*30-130*			
Surrogate: 2-Chlorophenol-d4	*2.85*		mg/kg wet	*3.750*		*76*	*30-130*			
Surrogate: 2-Fluorobiphenyl	*1.91*		mg/kg wet	*2.500*		*76*	*30-130*			
Surrogate: 2-Fluorophenol	*2.85*		mg/kg wet	*3.750*		*76*	*30-130*			
Surrogate: Nitrobenzene-d5	*1.92*		mg/kg wet	*2.500*		*77*	*30-130*			
Surrogate: Phenol-d6	*3.14*		mg/kg wet	*3.750*		*84*	*30-130*			
Surrogate: p-Terphenyl-d14	*2.10*		mg/kg wet	*2.500*		*84*	*30-130*			
Classical Chemistry										

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Quality Control Data

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
Classical Chemistry										
Batch BC81802 - General Preparation										
Duplicate	**Source: 0803202-02**									
Corrosivity (pH)	7.50		S.U.		7.51			0.1	200	

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

Notes and Definitions

U	Analyte included in the analysis, but not detected
SC	Surrogate recovery(ies) outside of criteria. Reextraction/Reanalysis confirms results.
Q	Calibration required quadratic regression.
M-	Matrix Spike recovery is below lower control limit.
J	Reported between MDL and MRL; Estimated value.
D	Diluted.
C+	Continuing Calibration recovery is above upper control limit.
ND	Analyte NOT DETECTED above the detection limit
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
MDL	Method Detection Limit
MRL	Method Reporting Limit
I/V	Initial Volume
F/V	Final Volume
§	Subcontracted analysis; see attached report
1	Range result excludes concentrations of surrogates and/or internal standards eluting in that range.
2	Range result excludes concentrations of target analytes eluting in that range.
3	Range result excludes the concentration of the C9-C10 aromatic range.
Avg	Results reported as a mathematical average.

CERTIFICATE OF ANALYSIS

Client Name: TK&K Services
Client Project ID: Newport OFFTA

ESS Laboratory Work Order: 0803202

ESS LABORATORY CERTIFICATIONS

U.S. Army Corps of Engineers
Soil and Water

Navy Installation Restoration QA Program
Soil and Water

Rhode Island: A-179

Connecticut: PH-0750

Maine: RI002

Massachusetts: M-RI002

New Hampshire (NELAP accredited): 242405
Potable Water
Non Potable Water

New York (NELAP accredited): 11313
Potable Water
Non Potable Water
Solid and Hazardous Waste

United States Department of Agriculture
Soil Permit: S-54210

New Jersey (NELAP accredited): RI002
Potable Water
Non Potable Water
Soil and Hazardous Waste

Maryland: 301
Potable Water

ESS Laboratory

Division of Thielsch Engineering, Inc.
185 Frances Avenue, Cranston, RI 02910-2211
Tel. (401) 461-7181 Fax (401) 461-4486
www.esslaboratory.com

CHAIN OF CUSTODY

Page _____ of _____

Turn Time ___ Standard Other 2-day (48 hrs)
If faster than 5 days, prior approval by laboratory is required #_____
Reporting Limits

ESS LAB PROJECT ID: 0803202

State where samples were collected from:
MA (RI) CT NH NJ NY ME Other _____

Electronic Deliverable ___ Yes ___ No

Is this project for ~~any of the~~ following:
MA-MCP (Navy) USACE Other _____

Format: Excel__ Access __ PDF__ Other _____

Co. Name	Project #	Project Name (20 Char. or less)
TK5K Services	1024	Newport OFFTA

Contact Person	Address
L. Kahrs	32 Neal Gate Street

City	State	Zip	PO#
Scituate	MA	02066	

Telephone #	Fax #	Email Address
(781) 545-7555		lawrence.kahrs@tkandk.com

Circle and/or Write Required Analysis

ESS LAB Sample#	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	8260 VOA / 624 / 524.2	8021 MTBE/BTEX / 8015 GRO / VPH w/targets	8100 TPH / 8015 DRO	EPH w/o PAHs / EPH w/PAHs / EPH 4 Diesel	8081 Pesticides / 8082 PCB / 608 Pesticides / 608 PCB	8270 SVOA / 625 / PAH 8270	RCRA5 / RCRA8 / PP13 / TAL23	TCLP-RCRA8 / NBC7	MCP-METALS (13) / MCP-METALS (13) w/Hg	TCLP Pb	pH			
1	3/17/08	0900	X		S	OFFTA-WC14	1/6	5	G	X	X	X		X	X	X			X	X			
2	3/17/08		X		S	OFFTA-WC05	↓	↓	↓	↓	↓	↓		↓	↓	↓			↓	↓			

Container Type: P-Poly G-Glass S-Sterile V-VOA | Matrix: S-Soil SD-Solid D-Sludge WW-Waste Water GW-Ground Water SW-Surface Water DW-Drinking Water O-Oil W-Wipes F-Filters

Cooler Present ✓ Yes ___ No Internal Use Only

Seals Intact ___ Yes ___ No NA: ✓ [✓ Pickup

Cooler Temp: 3.6°C [ ] Technicians_____

Preservation Code: 1- NP, 2- HCl, 3- H_2SO_4, 4- HNO_3, 5- NaOH, 6- MeOH, 7- Asorbic Acid, 8- ZnAct, 9- _____

Sampled by:

Comments:

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	3/17/08 1530	[signature]	3/17/08 1530	[signature]	3/17/08 4:16	[signature]	3/17/08 16:16
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time

*By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VII A

Please fax all changes to Chain of Custody in writing.

1 (White) Lab Copy 2 (Yellow) Client Receipt

10/26/04 B

ATTACHMENT B

TTNUS SPLIT SAMPLE LABORATORY ANALYTICAL RESULTS

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48-hr
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Parker
Tetra Tech NUS, Inc
55 Jonspin Rd
Wilmington MA 01887
Project Mgr.: Steve Parker

Invoice To: Same

P.O. No.: RQN:

Project No.: 112G00632.0320
Site Name: OFFTA - Navstn Newport
Location: Newport State: RI
Sampler(s): B. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id: G0126	Sample Id:	Date: 2008	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	DRO by GC-FID
01	OFFTA-B2-S4A	1/29	1400	C	SO			1			X
02	OFFTA-B2-B4A	1/29	1410	C	SO			1			X
03	OFFTA-B2-B1A	1/29	1420	C	SO			1			X
04	OFFTA-D180-60	1/31	1510	C	SO			1			X
05	OFFTA-D160-80	1/31	1500	C	SO			1			X
06	OFFTA-D160-60	1/31	1505	C	SO			1			X
07	OFFTA-D180-70	1/31	1515	C	SO			1			X

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards:

☐ Fax results when available to (____)
☒ E-mail to stephen.parker@ttnus.com
EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 3

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	1/31/08	1545

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-B2-S4A
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-01
Collection Date: 01/29/08 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	6700		61	mg/Kg	4	02/02/2008 3:37	34671
Surr: ortho-Terphenyl	99.8		50-150	%REC	4	02/02/2008 3:37	34671
Surr: 5a-Androstane	65.2		58-115	%REC	4	02/02/2008 3:37	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-B2-B4A
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-02
Collection Date: 01/29/08 14:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	7600		240	mg/Kg	10	02/02/2008 6:18	34671
Surr: ortho-Terphenyl	169	S	50-150	%REC	10	02/02/2008 6:18	34671
Surr: 5a-Androstane	256	S	58-115	%REC	10	02/02/2008 6:18	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-B2-B1A
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-03
Collection Date: 01/29/08 14:20

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	2500		180	mg/Kg	10	02/02/2008 4:17	34671
Surr: ortho-Terphenyl	126		50-150	%REC	10	02/02/2008 4:17	34671
Surr: 5a-Androstane	151	S	58-115	%REC	10	02/02/2008 4:17	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFTTA-D180-60
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-04
Collection Date: 01/31/08 15:10

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	190		13	mg/Kg	1	02/02/2008 2:16	34671
Surr: ortho-Terphenyl	108		50-150	%REC	1	02/02/2008 2:16	34671
Surr: 5a-Androstane	107		58-115	%REC	1	02/02/2008 2:16	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-D160-80
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-05
Collection Date: 01/31/08 15:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	900		140	mg/Kg	10	02/02/2008 4:58	34671
Surr: ortho-Terphenyl	117		50-150	%REC	10	02/02/2008 4:58	34671
Surr: 5a-Androstane	117	S	58-115	%REC	10	02/02/2008 4:58	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-D160-60
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-06
Collection Date: 01/31/08 15:05

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	170		13	mg/Kg	1	02/04/2008 14:02	34671
Surr: ortho-Terphenyl	101		50-150	%REC	1	02/04/2008 14:02	34671
Surr: 5a-Androstane	101		58-115	%REC	1	02/04/2008 14:02	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

Client: Tetra Tech NUS, Inc.
Client Sample ID: OFFTA-D180-70
Project: CTO-065, Newport Old FFTA
Lab ID: G0126-07
Collection Date: 01/31/08 15:15

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	260		13	mg/Kg	1	02/02/2008 2:57	34671
Surr: ortho-Terphenyl	103		50-150	%REC	1	02/02/2008 2:57	34671
Surr: 5a-Androstane	103		58-115	%REC	1	02/02/2008 2:57	34671

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *04-Feb-08*

CLIENT: Tetra Tech NUS, Inc.
Work Order: G0126
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **TPH_S**

Sample ID: **MB-34671** SampType: **MBLK** TestCode: **TPH_S** Prep Date: **1/31/2008** Run ID: **F1_080201B**
Client ID: **MB-34671** Batch ID: **34671** Units: **mg/Kg** Analysis Date: **2/2/2008** SeqNo: **758544**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: ortho-Terphenyl	1.409	0.83	1.333	0	106	50	150	0			
Surr: 5a-Androstane	1.309	0.83	1.333	0	98.2	58	115	0			

Sample ID: **LCS-34671** SampType: **LCS** TestCode: **TPH_S** Prep Date: **1/31/2008** Run ID: **F1_080201B**
Client ID: **LCS-34671** Batch ID: **34671** Units: **mg/Kg** Analysis Date: **2/2/2008** SeqNo: **758545**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	176.9	12	166.7	0	106	60	140	0			
Surr: ortho-Terphenyl	1.358	0.83	1.333	0	102	50	150	0			
Surr: 5a-Androstane	1.374	0.83	1.333	0	103	58	115	0			

Sample ID: **LCSD-34671** SampType: **LCSD** TestCode: **TPH_S** Prep Date: **1/31/2008** Run ID: **F1_080201B**
Client ID: **LCSD-34671** Batch ID: **34671** Units: **mg/Kg** Analysis Date: **2/2/2008** SeqNo: **758546**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	193.7	12	166.7	0	116	60	140	176.9	9.04	20	
Surr: ortho-Terphenyl	1.390	0.83	1.333	0	104	50	150	0			
Surr: 5a-Androstane	1.425	0.83	1.333	0	107	58	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48-hr
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Parker
TetraTech NUS, Inc
55 Jonspin Rd
Wilmington, MA 01887
Project Mgr.: Steve Parker

Invoice To: Same

P.O. No.: RQN:

Project No.: 112600632.0320
Site Name: OFFTA - NAVSTA Newport
Location: Newport State: RI
Sampler(s): B. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: DRO by GC-FID
G0154 01	OFFTA-D-110-60	2/4/2008	1600	C	SO			1				X
02	OFFTA-D-180-40	2/4	1600	C	SO			1				X

☐ Fax results when available to ( )
☒ E-mail to stephen.parker@tthus.com
EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 3°

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	2/5/08	13:05

Mitkem Laboratories

Date: *07-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0154
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **TPH_S**

Sample ID: **MB-34746** SampType: **MBLK** TestCode: **TPH_S** Prep Date: **2/6/2008** Run ID: **F1_080206A**
Client ID: **MB-34746** Batch ID: **34746** Units: **mg/Kg** Analysis Date: **2/6/2008** SeqNo: **759688**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: ortho-Terphenyl	1.144	0.83	1.333	0	85.8	50	150	0			
Surr: 5a-Androstane	1.155	0.83	1.333	0	86.7	58	115	0			

Sample ID: **LCS-34746** SampType: **LCS** TestCode: **TPH_S** Prep Date: **2/6/2008** Run ID: **F1_080206A**
Client ID: **LCS-34746** Batch ID: **34746** Units: **mg/Kg** Analysis Date: **2/6/2008** SeqNo: **759689**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	145.8	12	166.7	0	87.5	60	140	0			
Surr: ortho-Terphenyl	1.273	0.83	1.333	0	95.5	50	150	0			
Surr: 5a-Androstane	1.311	0.83	1.333	0	98.3	58	115	0			

Sample ID: **LCSD-34746** SampType: **LCSD** TestCode: **TPH_S** Prep Date: **2/6/2008** Run ID: **F1_080206A**
Client ID: **LCSD-34746** Batch ID: **34746** Units: **mg/Kg** Analysis Date: **2/6/2008** SeqNo: **759690**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	152.2	12	166.7	0	91.3	60	140	145.8	4.24	20	
Surr: ortho-Terphenyl	1.249	0.83	1.333	0	93.7	50	150	0			
Surr: 5a-Androstane	1.353	0.83	1.333	0	102	58	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: *07-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-D-110-60
Lab ID: G0154-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/04/08 16:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	100		65	mg/Kg	5	02/06/2008 20:24	34746
Surr: ortho-Terphenyl	66.5		50-150	%REC	5	02/06/2008 20:24	34746
Surr: 5a-Androstane	71.0		58-115	%REC	5	02/06/2008 20:24	34746

Qualifiers:

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DF - Dilution Factor
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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *07-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-D-180-40
Project: CTO-065, Newport Old FFTA
Lab ID: G0154-02
Collection Date: 02/04/08 16:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	33		13	mg/Kg	1	02/06/2008 22:00	34746
Surr: ortho-Terphenyl	72.3		50-150	%REC	1	02/06/2008 22:00	34746
Surr: 5a-Androstane	73.8		58-115	%REC	1	02/06/2008 22:00	34746

Qualifiers:

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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *14-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-01
Lab ID: G0185-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/12/08 11:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	8800		0.17	5.8	mg/Kg	1	02/13/2008 16:26	34889
Antimony	ND		0.087	0.58	mg/Kg	1	02/13/2008 16:26	34889
Arsenic	5.4		0.082	0.58	mg/Kg	1	02/13/2008 16:26	34889
Barium	33		0.058	5.8	mg/Kg	1	02/13/2008 16:26	34889
Beryllium	~~ND~~ 0.054		0.00082	0.15	mg/Kg	1	02/13/2008 16:26	34889
Cadmium	3.4		0.0041	0.15	mg/Kg	1	02/13/2008 16:26	34889
Calcium	2100		4.3	23	mg/Kg	1	02/13/2008 16:26	34889
Chromium	28		0.0058	0.58	mg/Kg	1	02/13/2008 16:26	34889
Cobalt	9.0		0.0076	1.5	mg/Kg	1	02/13/2008 16:26	34889
Copper	72		0.055	0.87	mg/Kg	1	02/13/2008 16:26	34889
Iron	35000		14	120	mg/Kg	20	02/13/2008 16:46	34889
Lead	290		0.43	5.8	mg/Kg	20	02/13/2008 16:46	34889
Magnesium	2600		0.16	15	mg/Kg	1	02/13/2008 16:26	34889
Manganese	480		0.099	1.5	mg/Kg	1	02/13/2008 16:26	34889
Nickel	20		0.0070	1.5	mg/Kg	1	02/13/2008 16:26	34889
Potassium	400		0.87	29	mg/Kg	1	02/13/2008 14:43	34889
Selenium	ND		0.087	0.87	mg/Kg	1	02/13/2008 16:26	34889
Silver	ND		0.027	0.87	mg/Kg	1	02/13/2008 16:26	34889
Sodium	170	B	0.58	29	mg/Kg	1	02/13/2008 14:43	34889
Thallium	2.2		0.064	0.58	mg/Kg	1	02/13/2008 16:26	34889
Vanadium	17		0.024	1.5	mg/Kg	1	02/13/2008 16:26	34889
Zinc	260		0.030	1.5	mg/Kg	1	02/13/2008 16:26	34889
MERCURY BY FIA				**SW7471**				
Mercury	0.089		0.0050	0.031	mg/Kg	1	02/14/2008 7:31	34888

Qualifiers:
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R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *14-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-02
Lab ID: G0185-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/12/08 11:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	9600		0.20	6.6	mg/Kg	1	02/13/2008 16:29	34889
Antimony	ND		0.099	0.66	mg/Kg	1	02/13/2008 16:29	34889
Arsenic	5.5		0.092	0.66	mg/Kg	1	02/13/2008 16:29	34889
Barium	33		0.066	6.6	mg/Kg	1	02/13/2008 16:29	34889
Beryllium	~~ND~~ 0.045		0.00092	0.16	mg/Kg	1	02/13/2008 16:29	34889
Cadmium	3.0		0.0046	0.16	mg/Kg	1	02/13/2008 16:29	34889
Calcium	1400		4.9	26	mg/Kg	1	02/13/2008 16:29	34889
Chromium	13		0.0066	0.66	mg/Kg	1	02/13/2008 16:29	34889
Cobalt	9.3		0.0085	1.6	mg/Kg	1	02/13/2008 16:29	34889
Copper	85		0.062	0.99	mg/Kg	1	02/13/2008 16:29	34889
Iron	33000		16	130	mg/Kg	20	02/13/2008 16:49	34889
Lead	360		0.49	6.6	mg/Kg	20	02/13/2008 16:49	34889
Magnesium	3000		0.18	16	mg/Kg	1	02/13/2008 16:29	34889
Manganese	420		0.11	1.6	mg/Kg	1	02/13/2008 16:29	34889
Nickel	19		0.0079	1.6	mg/Kg	1	02/13/2008 16:29	34889
Potassium	390		0.99	33	mg/Kg	1	02/13/2008 14:46	34889
Selenium	ND		0.099	0.99	mg/Kg	1	02/13/2008 16:29	34889
Silver	ND		0.031	0.99	mg/Kg	1	02/13/2008 16:29	34889
Sodium	180	B	0.66	33	mg/Kg	1	02/13/2008 14:46	34889
Thallium	2.4		0.072	0.66	mg/Kg	1	02/13/2008 16:29	34889
Vanadium	19		0.028	1.6	mg/Kg	1	02/13/2008 16:29	34889
Zinc	240		0.034	1.6	mg/Kg	1	02/13/2008 16:29	34889
MERCURY BY FIA				**SW7471**				
Mercury	0.091		0.0052	0.032	mg/Kg	1	02/14/2008 7:35	34888

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *14-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0185
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW6010_S**

Sample ID: **MB-34889** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/13/2008** Run ID: **OPTIMA3_080213A**
Client ID: **MB-34889** Batch ID: **34889** Units: **mg/Kg** Analysis Date: **2/13/2008** SeqNo: **762255**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	ND	50									
Sodium	98.14	50									

Sample ID: **MB-34889** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/13/2008** Run ID: **OPTIMA3_080213B**
Client ID: **MB-34889** Batch ID: **34889** Units: **mg/Kg** Analysis Date: **2/13/2008** SeqNo: **762269**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	1.0									
Barium	ND	10									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	40									
Chromium	ND	1.0									
Cobalt	ND	2.5									
Copper	ND	1.5									
Iron	ND	10									
Lead	ND	0.50									
Magnesium	ND	25									
Manganese	ND	2.5									
Nickel	ND	2.5									
Selenium	ND	1.5									
Silver	ND	1.5									
Thallium	ND	1.0									
Vanadium	ND	2.5									
Zinc	ND	2.5									

Sample ID: **LCS-34889** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/13/2008** Run ID: **OPTIMA3_080213A**
Client ID: **LCS-34889** Batch ID: **34889** Units: **mg/Kg** Analysis Date: **2/13/2008** SeqNo: **762256**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	1146	50	1135	0	101	80	120	0			
Sodium	1241	50	1135	0	109	80	120	0			B

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0185
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: SW6010_S

Sample ID: **LCS-34889** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/13/2008** Run ID: **OPTIMA3_080213B**
Client ID: **LCS-34889** Batch ID: **34889** Units: **mg/Kg** Analysis Date: **2/13/2008** SeqNo: **762270**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	441.5	10	455.0	0	97.0	80	120	0			
Antimony	19.37	1.0	22.75	0	85.1	80	120	0			
Arsenic	21.97	1.0	22.75	0	96.6	80	120	0			
Barium	478.3	10	455.0	0	105	80	120	0			
Beryllium	11.25	0.25	11.35	0	99.1	80	120	0			
Cadmium	11.28	0.25	11.35	0	99.4	80	120	0			
Calcium	1083	40	1135	0	95.4	80	120	0			
Chromium	45.28	1.0	45.50	0	99.5	80	120	0			
Cobalt	111.2	2.5	113.5	0	98.0	80	120	0			
Copper	58.04	1.5	56.50	0	103	80	120	0			
Iron	229.8	10	227.5	0	101	80	120	0			
Lead	21.73	0.50	22.75	0	95.5	80	120	0			
Magnesium	1130	25	1135	0	99.6	80	120	0			
Manganese	112.2	2.5	113.5	0	98.8	80	120	0			
Nickel	110.4	2.5	113.5	0	97.3	80	120	0			
Selenium	20.00	1.5	22.75	0	87.9	80	120	0			
Silver	53.28	1.5	56.50	0	94.3	75	120	0			
Thallium	22.87	1.0	22.75	0	101	80	120	0			
Vanadium	113.4	2.5	113.5	0	99.9	80	120	0			
Zinc	114.9	2.5	113.5	0	101	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0185
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: SW7471

Sample ID: **MB-34888** SampType: **MBLK** TestCode: **SW7471** Prep Date: **2/13/2008** Run ID: **FIMS1_080214A**
Client ID: **MB-34888** Batch ID: **34888** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762300**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.033									

Sample ID: **LCS-34888** SampType: **LCS** TestCode: **SW7471** Prep Date: **2/13/2008** Run ID: **FIMS1_080214A**
Client ID: **LCS-34888** Batch ID: **34888** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762301**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7634	0.033	0.7580	0	101	80	120	0			

Sample ID: **G0185-01AMS** SampType: **MS** TestCode: **SW7471** Prep Date: **2/13/2008** Run ID: **FIMS1_080214A**
Client ID: **OFFTA-F3-01** Batch ID: **34888** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762304**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7956	0.031	0.7097	0.08900	99.6	80	120	0			

Sample ID: **G0185-01ADUP** SampType: **DUP** TestCode: **SW7471** Prep Date: **2/13/2008** Run ID: **FIMS1_080214A**
Client ID: **OFFTA-F3-01** Batch ID: **34888** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762303**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.07961	0.031	0	0	0	0	0	0.08900	11.1	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48-hr
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Parker
Tetra Tech NUS Inc
55 Jonspin Rd
Wilmington, MA 01887
Project Mgr.: Steve Parker

Invoice To: Same
P.O. No.: RQN:

Project No.: 112G00632.0320
Site Name: OFFTA - NAUSTA Newport
Location: Newport State: RI
Sampler(s): B. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: Analyses:

Lab Id: G0185	Sample Id:	Date: 2008	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		DRO by GC-FID	TAL Metals						
01	OFFTA-F3-01	2/12	1100	C	SO			1				X	X						
02	OFFTA-F3-02	2/12	1100	C	SO			1				X	X						

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards:

☐ Fax results when available to ( )
☒ E-mail to stephen.parker@ttnus.com
EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 5°C

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	2/12/08	19:00

Mitkem Laboratories

Date: *15-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-01
Lab ID: G0185-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/12/08 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	150		130	mg/Kg	10	02/14/2008 12:34	34874
Surr: ortho-Terphenyl	77.0		50-150	%REC	10	02/14/2008 12:34	34874
Surr: 5a-Androstane	81.8		58-115	%REC	10	02/14/2008 12:34	34874

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *15-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-02
Lab ID: G0185-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/12/08 11:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	360		130	mg/Kg	10	02/14/2008 13:07	34874
Surr: ortho-Terphenyl	83.3		50-150	%REC	10	02/14/2008 13:07	34874
Surr: 5a-Androstane	93.0		58-115	%REC	10	02/14/2008 13:07	34874

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
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DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *15-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0185
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **TPH_S**

Sample ID: **MB-34874** SampType: **MBLK** TestCode: **TPH_S** Prep Date: **2/13/2008** Run ID: **F1_080214A**
Client ID: **MB-34874** Batch ID: **34874** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762725**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: ortho-Terphenyl	1.286	0.83	1.333	0	96.4	50	150	0			
Surr: 5a-Androstane	1.306	0.83	1.333	0	98.0	58	115	0			

Sample ID: **LCS-34874** SampType: **LCS** TestCode: **TPH_S** Prep Date: **2/13/2008** Run ID: **F1_080214A**
Client ID: **LCS-34874** Batch ID: **34874** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762726**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	153.6	12	166.7	0	92.2	60	140	0			
Surr: ortho-Terphenyl	1.283	0.83	1.333	0	96.2	50	150	0			
Surr: 5a-Androstane	1.355	0.83	1.333	0	102	58	115	0			

Sample ID: **LCSD-34874** SampType: **LCSD** TestCode: **TPH_S** Prep Date: **2/13/2008** Run ID: **F1_080214A**
Client ID: **LCSD-34874** Batch ID: **34874** Units: **mg/Kg** Analysis Date: **2/14/2008** SeqNo: **762727**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	141.3	12	166.7	0	84.8	60	140	153.6	8.36	20	
Surr: ortho-Terphenyl	1.454	0.83	1.333	0	109	50	150	0			
Surr: 5a-Androstane	1.276	0.83	1.333	0	95.7	58	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: *21-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-S7
Lab ID: G0213-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/19/08 9:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	5100		0.20	6.5	mg/Kg	1	02/20/2008 16:08	34991
Antimony	ND		0.098	0.65	mg/Kg	1	02/20/2008 16:08	34991
Arsenic	2.5		0.091	0.65	mg/Kg	1	02/20/2008 16:08	34991
Barium	12		0.065	6.5	mg/Kg	1	02/20/2008 16:08	34991
Beryllium	0.18		0.00091	0.16	mg/Kg	1	02/20/2008 16:08	34991
Cadmium	1.1		0.0046	0.16	mg/Kg	1	02/20/2008 16:08	34991
Calcium	2500		4.8	26	mg/Kg	1	02/20/2008 16:08	34991
Chromium	5.2		0.0065	0.65	mg/Kg	1	02/20/2008 16:08	34991
Cobalt	5.1		0.0085	1.6	mg/Kg	1	02/20/2008 16:08	34991
Copper	15		0.061	0.98	mg/Kg	1	02/20/2008 16:08	34991
Iron	12000		3.9	33	mg/Kg	5	02/20/2008 16:55	34991
Lead	36		0.12	1.6	mg/Kg	5	02/20/2008 16:55	34991
Magnesium	2100		0.18	16	mg/Kg	1	02/20/2008 16:08	34991
Manganese	340		0.11	1.6	mg/Kg	1	02/20/2008 16:08	34991
Nickel	8.4		0.0078	1.6	mg/Kg	1	02/20/2008 16:08	34991
Potassium	300		0.98	33	mg/Kg	1	02/20/2008 15:11	34991
Selenium	ND		0.098	0.98	mg/Kg	1	02/20/2008 16:08	34991
Silver	ND		0.031	0.98	mg/Kg	1	02/20/2008 16:08	34991
Sodium	90		0.65	33	mg/Kg	1	02/20/2008 15:11	34991
Thallium	0.67		0.072	0.65	mg/Kg	1	02/20/2008 16:08	34991
Vanadium	7.6		0.027	1.6	mg/Kg	1	02/20/2008 16:08	34991
Zinc	46		0.034	1.6	mg/Kg	1	02/20/2008 16:08	34991
MERCURY BY FIA				**SW7471**				
Mercury	ND	0.026	0.0048	0.030	mg/Kg	1	02/20/2008 14:11	34990

Qualifiers:
ND - Not Detected at the Reporting Limit
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B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *21-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-S10
Lab ID: G0213-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/19/08 9:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	7800		0.20	6.8	mg/Kg	1	02/20/2008 16:31	34991
Antimony	ND	0.41	0.10	0.68	mg/Kg	1	02/20/2008 16:31	34991
Arsenic	10		0.095	0.68	mg/Kg	1	02/20/2008 16:31	34991
Barium	150		0.068	6.8	mg/Kg	1	02/20/2008 16:31	34991
Beryllium	0.21		0.00095	0.17	mg/Kg	1	02/20/2008 16:31	34991
Cadmium	5.5		0.0048	0.17	mg/Kg	1	02/20/2008 16:31	34991
Calcium	1600		5.0	27	mg/Kg	1	02/20/2008 16:31	34991
Chromium	14		0.0068	0.68	mg/Kg	1	02/20/2008 16:31	34991
Cobalt	8.4		0.0088	1.7	mg/Kg	1	02/20/2008 16:31	34991
Copper	140		0.064	1.0	mg/Kg	1	02/20/2008 16:31	34991
Iron	38000		8.2	68	mg/Kg	10	02/20/2008 17:15	34991
Lead	2000		2.5	34	mg/Kg	100	02/20/2008 17:18	34991
Magnesium	2400		0.18	17	mg/Kg	1	02/20/2008 16:31	34991
Manganese	260		0.12	1.7	mg/Kg	1	02/20/2008 16:31	34991
Nickel	18		0.0082	1.7	mg/Kg	1	02/20/2008 16:31	34991
Potassium	320		1.0	34	mg/Kg	1	02/20/2008 15:18	34991
Selenium	ND		0.10	1.0	mg/Kg	1	02/20/2008 16:31	34991
Silver	ND		0.032	1.0	mg/Kg	1	02/20/2008 16:31	34991
Sodium	400		0.68	34	mg/Kg	1	02/20/2008 15:18	34991
Thallium	3.5		0.075	0.68	mg/Kg	1	02/20/2008 16:31	34991
Vanadium	12		0.029	1.7	mg/Kg	1	02/20/2008 16:31	34991
Zinc	1500		0.35	17	mg/Kg	10	02/20/2008 17:15	34991
MERCURY BY FIA				**SW7471**				
Mercury	0.34		0.0058	0.036	mg/Kg	1	02/20/2008 14:15	34990

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
RPD - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *21-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0213
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW6010_S**

Sample ID: **MB-34991** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/20/2008** Run ID: **OPTIMA3_080220A**
Client ID: **MB-34991** Batch ID: **34991** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764936**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	ND	50									
Sodium	ND	50									

Sample ID: **MB-34991** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/20/2008** Run ID: **OPTIMA3_080220B**
Client ID: **MB-34991** Batch ID: **34991** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764962**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	1.0									
Barium	ND	10									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	40									
Chromium	ND	1.0									
Cobalt	ND	2.5									
Copper	ND	1.5									
Iron	ND	10									
Lead	ND	0.50									
Magnesium	ND	25									
Manganese	ND	2.5									
Nickel	ND	2.5									
Selenium	ND	1.5									
Silver	ND	1.5									
Thallium	ND	1.0									
Vanadium	ND	2.5									
Zinc	ND	2.5									

Sample ID: **LCS-34991** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/20/2008** Run ID: **OPTIMA3_080220A**
Client ID: **LCS-34991** Batch ID: **34991** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764937**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	1112	50	1135	0	98.0	80	120	0			
Sodium	1131	50	1135	0	99.7	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0213
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: SW6010_S

Sample ID: **LCS-34991** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/20/2008** Run ID: **OPTIMA3_080220B**
Client ID: **LCS-34991** Batch ID: **34991** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764955**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	428.5	10	455.0	0	94.2	80	120	0			
Antimony	19.60	1.0	22.75	0	86.1	80	120	0			
Arsenic	21.89	1.0	22.75	0	96.2	80	120	0			
Barium	464.9	10	455.0	0	102	80	120	0			
Beryllium	11.34	0.25	11.35	0	99.9	80	120	0			
Cadmium	10.78	0.25	11.35	0	94.9	80	120	0			
Calcium	1077	40	1135	0	94.9	80	120	0			
Chromium	45.44	1.0	45.50	0	99.9	80	120	0			
Cobalt	111.3	2.5	113.5	0	98.0	80	120	0			
Copper	56.74	1.5	56.50	0	100	80	120	0			
Iron	228.6	10	227.5	0	100	80	120	0			
Lead	22.34	0.50	22.75	0	98.2	80	120	0			
Magnesium	1106	25	1135	0	97.4	80	120	0			
Manganese	114.0	2.5	113.5	0	100	80	120	0			
Nickel	111.6	2.5	113.5	0	98.3	80	120	0			
Selenium	20.46	1.5	22.75	0	90.0	80	120	0			
Silver	52.19	1.5	56.50	0	92.4	75	120	0			
Thallium	21.67	1.0	22.75	0	95.3	80	120	0			
Vanadium	110.4	2.5	113.5	0	97.3	80	120	0			
Zinc	109.9	2.5	113.5	0	96.8	80	120	0			

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0213
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW7471**

Sample ID: **MB-34990** SampType: **MBLK** TestCode: **SW7471** Prep Date: **2/20/2008** Run ID: **FIMS1_080220A**
Client ID: **MB-34990** Batch ID: **34990** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764914**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.033									

Sample ID: **LCS-34990** SampType: **LCS** TestCode: **SW7471** Prep Date: **2/20/2008** Run ID: **FIMS1_080220A**
Client ID: **LCS-34990** Batch ID: **34990** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **764915**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7805	0.033	0.7580	0	103	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48-hr
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Parker
Tetra Tech NUS
55 Jonspin Rd
Wilmington, MA 01887
Project Mgr.: Steve Parker

Invoice To: Same

P.O. No.: _____ RQN: _____

Project No.: 112G00632.0320
Site Name: OFFTA - Newport
Location: Newport State: RI
Sampler(s): B. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id: G0213	Sample Id:	Date: 2008	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		DRO by GC-FID	TAL Metals						
01	OFFTA-F3-S7	2/19	0900	C	SO			1				X	X						
02	OFFTA-F3-S10	2/19	0900	C	SO			1				X	X						

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: DRO by GC-FID; TAL Metals

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

☐ Fax results when available to (____) _____
☒ E-mail to stephen.parker@ttnus.com
EDD Format _____

Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C 7.9 [illegible]

Relinquished by:	Received by:	Date:	Time:
[illegible]	Bergeron	2/19/08	10:45 AM
Bergeron	Veronica Gardner	2/19/08	11:30

Mitkem Laboratories

Date: *21-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-S7
Lab ID: G0213-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/19/08 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	1100		130	mg/Kg	10	02/20/2008 17:48	34962
Surr: ortho-Terphenyl	101		50-150	%REC	10	02/20/2008 17:48	34962
Surr: 5a-Androstane	98.5		58-115	%REC	10	02/20/2008 17:48	34962

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *21-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: OFFTA-F3-S10
Lab ID: G0213-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/19/08 9:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	1800		140	mg/Kg	10	02/20/2008 17:18	34962
Surr: ortho-Terphenyl	87.8		50-150	%REC	10	02/20/2008 17:18	34962
Surr: 5a-Androstane	117	S	58-115	%REC	10	02/20/2008 17:18	34962

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *21-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0213
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **TPH_S**

Sample ID: **MB-34962** SampType: **MBLK** TestCode: **TPH_S** Prep Date: **2/19/2008** Run ID: **F1_080220A**
Client ID: **MB-34962** Batch ID: **34962** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **765161**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: ortho-Terphenyl	1.360	0.83	1.333	0	102	50	150	0			
Surr: 5a-Androstane	1.372	0.83	1.333	0	103	58	115	0			

Sample ID: **LCS-34962** SampType: **LCS** TestCode: **TPH_S** Prep Date: **2/19/2008** Run ID: **F1_080220A**
Client ID: **LCS-34962** Batch ID: **34962** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **765162**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	170.9	12	166.7	0	103	60	140	0			
Surr: ortho-Terphenyl	1.380	0.83	1.333	0	104	50	150	0			
Surr: 5a-Androstane	1.442	0.83	1.333	0	108	58	115	0			

Sample ID: **LCSD-34962** SampType: **LCSD** TestCode: **TPH_S** Prep Date: **2/19/2008** Run ID: **F1_080220A**
Client ID: **LCSD-34962** Batch ID: **34962** Units: **mg/Kg** Analysis Date: **2/20/2008** SeqNo: **765163**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	178.7	12	166.7	0	107	60	140	170.9	4.46	20	
Surr: ortho-Terphenyl	1.464	0.83	1.333	0	110	50	150	0			
Surr: 5a-Androstane	1.504	0.83	1.333	0	113	58	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-90-205W
Lab ID: G0241-01

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	7200		0.20	6.6	mg/Kg	1	02/27/2008 15:38	35089
Antimony	ND		0.099	0.66	mg/Kg	1	02/27/2008 15:38	35089
Arsenic	3.7		0.092	0.66	mg/Kg	1	02/27/2008 15:38	35089
Barium	14		0.066	6.6	mg/Kg	1	02/27/2008 15:38	35089
Beryllium	ND		0.00092	0.16	mg/Kg	1	02/27/2008 15:38	35089
Cadmium	1.0		0.0046	0.16	mg/Kg	1	02/27/2008 15:38	35089
Calcium	840		4.9	26	mg/Kg	1	02/27/2008 15:38	35089
Chromium	9.2		0.0066	0.66	mg/Kg	1	02/27/2008 15:38	35089
Cobalt	7.5		0.0085	1.6	mg/Kg	1	02/27/2008 15:38	35089
Copper	18		0.062	0.99	mg/Kg	1	02/27/2008 15:38	35089
Iron	19000		7.9	66	mg/Kg	10	02/28/2008 9:04	35089
Lead	30		0.024	0.33	mg/Kg	1	02/27/2008 15:38	35089
Magnesium	2800		0.18	16	mg/Kg	1	02/27/2008 15:38	35089
Manganese	350		0.11	1.6	mg/Kg	1	02/27/2008 15:38	35089
Nickel	13		0.0079	1.6	mg/Kg	1	02/27/2008 15:38	35089
Potassium	280		0.99	33	mg/Kg	1	02/27/2008 14:38	35089
Selenium	ND	0.58	0.099	0.99	mg/Kg	1	02/27/2008 15:38	35089
Silver	ND		0.031	0.99	mg/Kg	1	02/27/2008 15:38	35089
Sodium	ND		0.66	33	mg/Kg	1	02/27/2008 14:38	35089
Thallium	1.4		0.072	0.66	mg/Kg	1	02/27/2008 15:38	35089
Vanadium	10		0.028	1.6	mg/Kg	1	02/27/2008 15:38	35089
Zinc	41		0.034	1.6	mg/Kg	1	02/27/2008 15:38	35089
MERCURY BY FIA				**SW7471**				
Mercury	ND	0.018	0.0053	0.033	mg/Kg	1	02/28/2008 8:21	35087

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-70-50
Lab ID: G0241-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	8400		0.18	6.0	mg/Kg	1	02/27/2008 15:59	35089
Antimony	ND		0.090	0.60	mg/Kg	1	02/27/2008 15:59	35089
Arsenic	4.0		0.084	0.60	mg/Kg	1	02/27/2008 15:59	35089
Barium	11		0.060	6.0	mg/Kg	1	02/27/2008 15:59	35089
Beryllium	ND	-0.11	0.00084	0.15	mg/Kg	1	02/27/2008 15:59	35089
Cadmium	1.2		0.0042	0.15	mg/Kg	1	02/27/2008 15:59	35089
Calcium	550		4.4	24	mg/Kg	1	02/27/2008 15:59	35089
Chromium	10		0.0060	0.60	mg/Kg	1	02/27/2008 15:59	35089
Cobalt	8.9		0.0078	1.5	mg/Kg	1	02/27/2008 15:59	35089
Copper	18		0.056	0.90	mg/Kg	1	02/27/2008 15:59	35089
Iron	22000		7.2	60	mg/Kg	10	02/28/2008 9:13	35089
Lead	34		0.022	0.30	mg/Kg	1	02/27/2008 15:59	35089
Magnesium	2600		0.16	15	mg/Kg	1	02/27/2008 15:59	35089
Manganese	180		0.10	1.5	mg/Kg	1	02/27/2008 15:59	35089
Nickel	16		0.0072	1.5	mg/Kg	1	02/27/2008 15:59	35089
Potassium	320		0.90	30	mg/Kg	1	02/27/2008 14:49	35089
Selenium	ND	-0.75	0.090	0.90	mg/Kg	1	02/27/2008 15:59	35089
Silver	ND		0.028	0.90	mg/Kg	1	02/27/2008 15:59	35089
Sodium	34		0.60	30	mg/Kg	1	02/27/2008 14:49	35089
Thallium	1.8		0.066	0.60	mg/Kg	1	02/27/2008 15:59	35089
Vanadium	13		0.025	1.5	mg/Kg	1	02/27/2008 15:59	35089
Zinc	50		0.031	1.5	mg/Kg	1	02/27/2008 15:59	35089
MERCURY BY FIA				**SW7471**				
Mercury	0.060		0.0053	0.033	mg/Kg	1	02/28/2008 8:25	35067

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-50-50
Lab ID: G0241-03

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	9300		0.18	6.1	mg/Kg	1	02/27/2008 16:02	35089
Antimony	ND		0.092	0.61	mg/Kg	1	02/27/2008 16:02	35089
Arsenic	9.4		0.086	0.61	mg/Kg	1	02/27/2008 16:02	35089
Barium	24		0.061	6.1	mg/Kg	1	02/27/2008 16:02	35089
Beryllium	0.16		0.00086	0.15	mg/Kg	1	02/27/2008 16:02	35089
Cadmium	1.2		0.0043	0.15	mg/Kg	1	02/27/2008 16:02	35089
Calcium	610		4.5	25	mg/Kg	1	02/27/2008 16:02	35089
Chromium	10		0.0061	0.61	mg/Kg	1	02/27/2008 16:02	35089
Cobalt	7.0		0.0060	1.5	mg/Kg	1	02/27/2008 16:02	35089
Copper	15		0.058	0.92	mg/Kg	1	02/27/2008 16:02	35089
Iron	22000		7.4	61	mg/Kg	10	02/28/2008 9:15	35089
Lead	52		0.023	0.31	mg/Kg	1	02/27/2008 16:02	35089
Magnesium	2200		0.17	15	mg/Kg	1	02/27/2008 16:02	35089
Manganese	240		0.10	1.5	mg/Kg	1	02/27/2008 16:02	35089
Nickel	14		0.0074	1.5	mg/Kg	1	02/27/2008 16:02	35089
Potassium	330		0.92	31	mg/Kg	1	02/27/2008 14:52	35089
Selenium	ND	-0.8	0.092	0.92	mg/Kg	1	02/27/2008 16:02	35089
Silver	ND		0.029	0.92	mg/Kg	1	02/27/2008 16:02	35089
Sodium	49		0.61	31	mg/Kg	1	02/27/2008 14:52	35089
Thallium	1.8		0.068	0.61	mg/Kg	1	02/27/2008 16:02	35089
Vanadium	14		0.026	1.5	mg/Kg	1	02/27/2008 16:02	35089
Zinc	58		0.032	1.5	mg/Kg	1	02/27/2008 16:02	35089
MERCURY BY FIA				**SW7471**				
Mercury	0.079		0.0052	0.032	mg/Kg	1	02/28/2008 8:26	35087

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-110-20
Lab ID: G0241-04

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	MDL	RL	Units	DF	Date Analyzed	Batch ID
METALS BY ICP				**SW6010_S**				
Aluminum	6100		0.19	6.2	mg/Kg	1	02/27/2008 16:05	35089
Antimony	ND		0.093	0.62	mg/Kg	1	02/27/2008 16:05	35089
Arsenic	2.5		0.087	0.62	mg/Kg	1	02/27/2008 16:05	35089
Barium	9.3		0.062	6.2	mg/Kg	1	02/27/2008 16:05	35089
Beryllium	ND		0.00087	0.16	mg/Kg	1	02/27/2008 16:05	35089
Cadmium	0.87		0.0044	0.16	mg/Kg	1	02/27/2008 16:05	35089
Calcium	760		4.7	25	mg/Kg	1	02/27/2008 16:05	35089
Chromium	7.4		0.0062	0.62	mg/Kg	1	02/27/2008 16:05	35089
Cobalt	6.1		0.0081	1.6	mg/Kg	1	02/27/2008 16:05	35089
Copper	11		0.058	0.93	mg/Kg	1	02/27/2008 16:05	35089
Iron	17000		7.5	62	mg/Kg	10	02/28/2008 9:18	35089
Lead	10		0.023	0.31	mg/Kg	1	02/27/2008 16:05	35089
Magnesium	2300		0.17	16	mg/Kg	1	02/27/2008 16:05	35089
Manganese	270		0.11	1.6	mg/Kg	1	02/27/2008 16:05	35089
Nickel	11		0.0075	1.6	mg/Kg	1	02/27/2008 16:05	35089
Potassium	250		0.93	31	mg/Kg	1	02/27/2008 14:54	35089
Selenium	ND	0.63	0.093	0.93	mg/Kg	1	02/27/2008 16:05	35089
Silver	ND		0.030	0.93	mg/Kg	1	02/27/2008 16:05	35089
Sodium	ND		0.62	31	mg/Kg	1	02/27/2008 14:54	35089
Thallium	1.3		0.068	0.62	mg/Kg	1	02/27/2008 16:05	35089
Vanadium	10		0.026	1.6	mg/Kg	1	02/27/2008 16:05	35089
Zinc	32		0.033	1.6	mg/Kg	1	02/27/2008 16:05	35089
MERCURY BY FIA				**SW7471**				
Mercury	ND	0.012	0.0047	0.030	mg/Kg	1	02/28/2008 8:27	35087

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

PRELIMINARY

Mitkem Laboratories

Date: *28-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0241
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW6010_S**

Sample ID: **MB-35089** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/27/2008** Run ID: **OPTIMA3_080227B**
Client ID: **MB-35089** Batch ID: **35089** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767435**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	ND	50									
Sodium	ND	50									

Sample ID: **MB-35089** SampType: **MBLK** TestCode: **SW6010_S** Prep Date: **2/27/2008** Run ID: **OPTIMA3_080227C**
Client ID: **MB-35089** Batch ID: **35089** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767457**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	1.0									
Barium	ND	10									
Beryllium	ND	0.25									
Cadmium	ND	0.25									
Calcium	ND	40									
Chromium	ND	1.0									
Cobalt	ND	2.5									
Copper	ND	1.5									
Iron	ND	10									
Lead	ND	0.50									
Magnesium	ND	25									
Manganese	ND	2.5									
Nickel	ND	2.5									
Selenium	ND	1.5									
Silver	ND	1.5									
Thallium	ND	1.0									
Vanadium	ND	2.5									
Zinc	ND	2.5									

Sample ID: **LCS-35089** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/27/2008** Run ID: **OPTIMA3_080227B**
Client ID: **LCS-35089** Batch ID: **35089** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767436**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	1106	50	1135	0	97.5	80	120	0			
Sodium	1122	50	1135	0	98.8	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0241
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: SW6010_S

Sample ID: **LCS-35089** SampType: **LCS** TestCode: **SW6010_S** Prep Date: **2/27/2008** Run ID: **OPTIMA3_080227C**
Client ID: **LCS-35089** Batch ID: **35089** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767458**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	445.8	10	455.0	0	98.0	80	120	0			
Antimony	18.57	1.0	22.75	0	81.6	80	120	0			
Arsenic	21.84	1.0	22.75	0	96.0	80	120	0			
Barium	464.2	10	455.0	0	102	80	120	0			
Beryllium	11.56	0.25	11.35	0	102	80	120	0			
Cadmium	10.99	0.25	11.35	0	96.9	80	120	0			
Calcium	1103	40	1135	0	97.2	80	120	0			
Chromium	47.36	1.0	45.50	0	104	80	120	0			
Cobalt	117.0	2.5	113.5	0	103	80	120	0			
Copper	57.59	1.5	56.50	0	102	80	120	0			
Iron	236.8	10	227.5	0	104	80	120	0			
Lead	22.62	0.50	22.75	0	99.4	80	120	0			
Magnesium	1134	25	1135	0	99.9	80	120	0			
Manganese	118.3	2.5	113.5	0	104	80	120	0			
Nickel	116.8	2.5	113.5	0	103	80	120	0			
Selenium	20.74	1.5	22.75	0	91.2	80	120	0			
Silver	54.94	1.5	56.50	0	97.2	75	120	0			
Thallium	22.09	1.0	22.75	0	97.1	80	120	0			
Vanadium	115.2	2.5	113.5	0	101	80	120	0			
Zinc	113.6	2.5	113.5	0	100	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Tetra Tech NUS Inc.
Work Order: G0241
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **SW7471**

Sample ID: **MB-35087** SampType: **MBLK** TestCode: **SW7471** Prep Date: **2/27/2008** Run ID: **FIMS1_080228A**
Client ID: **MB-35087** Batch ID: **35087** Units: **mg/Kg** Analysis Date: **2/28/2008** SeqNo: **767482**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.033									

Sample ID: **LCS-35087** SampType: **LCS** TestCode: **SW7471** Prep Date: **2/27/2008** Run ID: **FIMS1_080228A**
Client ID: **LCS-35087** Batch ID: **35087** Units: **mg/Kg** Analysis Date: **2/28/2008** SeqNo: **767483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.7657	0.033	0.7580	0	101	80	120	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

MITKEM LABORATORIES

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48-hr
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Steve Parker
Tetra Tech NUS Inc
55 Jonspin Rd
Wilmington, MA 01887
Project Mgr.: Steve Parker

Invoice To: same

P.O. No.: RQN:

Project No.: 112600632.0320
Site Name: OFFTA - Newport
Location: Newport State: RI
Sampler(s): B. Smith

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id: G0241	Sample Id: OFFTA-	Date: 2008	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		DRO by GC-FID	TAL Metals						
01	D-90-20SW	2/25	1400	C	SO			1				X	X						
02	D-70-50	↓	1400	C	SO			1				X	X						
03	D-50-50		1400	C	SO			1				X	X						
04	D-110-20	↓	1400	C	SO			1				X	X						

Containers: # of VOA Vials, # of Amber Glass, # of Clear Glass, # of Plastic

Analyses: DRO by GC-FID, TAL Metals

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DEP RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards:

☐ Fax results when available to ( )
☒ E-mail to stephen.parker@ttnus.com
EDD Format

Condition upon receipt: ☒ Iced ☐ Ambient ☒ °C 6°

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	2/26/08	13:00

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-90-205W
Project: CTO-065, Newport Old FFTA
Lab ID: G0241-01
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID				**TPH_S**			
Extractable Total Petroleum Hydrocarbon	ND		130	mg/Kg	10	02/27/2008 18:25	35074
Surr: ortho-Terphenyl	84.3		50-150	%REC	10	02/27/2008 18:25	35074
Surr: 5a-Androstane	84.0		58-115	%REC	10	02/27/2008 18:25	35074

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-70-50
Lab ID: G0241-02

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	210		130	mg/Kg	10	02/27/2008 18:57	35074
Surr: ortho-Terphenyl	86.5		50-150	%REC	10	02/27/2008 18:57	35074
Surr: 5a-Androstane	84.0		58-115	%REC	10	02/27/2008 18:57	35074

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-50-50
Lab ID: G0241-03

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	ND		140	mg/Kg	10	02/27/2008 19:30	35074
Surr: ortho-Terphenyl	69.3		50-150	%REC	10	02/27/2008 19:30	35074
Surr: 5a-Androstane	70.3		58-115	%REC	10	02/27/2008 19:30	35074

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *28-Feb-08*

Client: Tetra Tech NUS Inc.
Client Sample ID: D-110-20
Lab ID: G0241-04

Project: CTO-065, Newport Old FFTA
Collection Date: 02/25/08 14:00

Analyses	Result	Qual	RL	Units	DF	Date Analyzed	Batch ID
Total Petroleum Hydrocarbons (TPH) by GC-FID			**TPH_S**				
Extractable Total Petroleum Hydrocarbon	ND		120	mg/Kg	10	02/27/2008 20:02	35074
Surr: ortho-Terphenyl	81.3		50-150	%REC	10	02/27/2008 20:02	35074
Surr: 5a-Androstane	81.3		58-115	%REC	10	02/27/2008 20:02	35074

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
DF - Dilution Factor
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
RL - Reporting Limit

Mitkem Laboratories

Date: *28-Feb-08*

CLIENT: Tetra Tech NUS Inc.
Work Order: G0241
Project: CTO-065, Newport Old FFTA

ANALYTICAL QC SUMMARY REPORT

TestCode: **TPH_S**

Sample ID: **MB-35074** SampType: **MBLK** TestCode: **TPH_S** Prep Date: **2/27/2008** Run ID: **F1_080227A**
Client ID: **MB-35074** Batch ID: **35074** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	ND	12									
Surr: ortho-Terphenyl	1.197	0.83	1.333	0	89.8	50	150	0			
Surr: 5a-Androstane	1.194	0.83	1.333	0	89.6	58	115	0			

Sample ID: **LCS-35074** SampType: **LCS** TestCode: **TPH_S** Prep Date: **2/27/2008** Run ID: **F1_080227A**
Client ID: **LCS-35074** Batch ID: **35074** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	148.2	12	166.7	0	88.9	60	140	0			
Surr: ortho-Terphenyl	1.236	0.83	1.333	0	92.7	50	150	0			
Surr: 5a-Androstane	1.252	0.83	1.333	0	93.9	58	115	0			

Sample ID: **LCSD-35074** SampType: **LCSD** TestCode: **TPH_S** Prep Date: **2/27/2008** Run ID: **F1_080227A**
Client ID: **LCSD-35074** Batch ID: **35074** Units: **mg/Kg** Analysis Date: **2/27/2008** SeqNo: **767592**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Extractable Total Petroleum Hydrocarbon	151.4	12	166.7	0	90.9	60	140	148.2	2.13	20	
Surr: ortho-Terphenyl	1.242	0.83	1.333	0	93.2	50	150	0			
Surr: 5a-Androstane	1.313	0.83	1.333	0	98.5	58	115	0			

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

ATTACHMENT C

PROJECT PHOTOGRAPHS

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 1 Installing erosion controls and constructing stockpile area. January 15, 2008

No. 2 Western portion of Area A excavation with petroleum stained soil. January 17, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 3 Eastern portion of Area A excavation with petroleum stained soil. January 22, 2008

No. 4 B1 pipe excavation with B1 pipe hydraulically cemented. January 23, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 5 Area B2 excavation with petroleum stained soil. January 24, 2008

No. 6 Area B2 excavation with NAPL. January 25, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 7 Area D excavation to 18 inches. January 30, 2008

No. 8 Collecting soil samples in Area D. January 31, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 9 Bedrock encountered at southern end of Foundation 1 excavation (No foundation present.)
January 30, 2008

No. 10 Excavating petroleum contaminated soil from OWS (Foundation 3). February 12, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 11 Empty OWS in Foundation 3 excavation. February 12, 2008

No. 12 Cold tapping water piping in Area C excavation. February 13, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 13 Foundation 3 excavation after removal of OWS. February 15, 2008

No. 14 Placing stabilization layer in Foundation 3 excavation prior to backfill. February 19, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 15 Drainage pipe from Foundation 3 excavation and removal. February 25, 2008

No. 16 Drainage Pipe East excavation and removal. March 18, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 17 Onsite chemical fixation of lead contaminated soils. March 19, 2008

No. 18 Saltwater pumping pit in Test Pit 14 excavation. March 24, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 19 Excavation of Foundation 2. April 21, 2008

No. 20 Collecting a sample from the excavator bucket at Foundation 2. April 21, 2008

OFFTA REMEDIAL ACTION PHOTOGRAPHS

No. 21 Excavation of Test Pit 18 trench. September 2, 2008

No. 22 Excavation of Test Pit 8. September 2, 2008