N96095.AR.000681
NSWC WHITE OAK
5090.3a

Data Summary Report
for
Pre-Design Groundwater Investigation
at
Site 6A – Fuel Calibration Area
Site 10B – Engine Test House and Southern Area

Naval Weapons Industrial Reserve Plant

Calverton, New York

Naval Facilities Engineering Command
Mid-Atlantic

CONTRACT NUMBER N62467-04-D-0055
Contract Task Order 449

June 2008

DATA SUMMARY REPORT
FOR
PRE-DESIGN GROUNDWATER INVESTIGATION ACTIVITIES
AT
SITE 6A – FUEL CALIBRATION AREA
SITE 10B – ENGINE TEST HOUSE, AND
SOUTHERN AREA

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
CALVERTON, NEW YORK

Submitted to:
Naval Facilities Engineering Command Mid-Atlantic
9742 Maryland Avenue
Norfolk, Virginia 23511-3095

Submitted by:
Tetra Tech NUS, Inc.
234 Mall Boulevard Suite 260
King of Prussia, Pennsylvania 19406

In Support Of:

CONTRACT NUMBER N62467-04-D-0055
Contract Task Order 449

JUNE 2008

PREPARED UNDER THE DIRECTION OF:

DAVE BRAYACK
PROJECT ENGINEER
TETRA TECH NUS, INC.
NORFOLK, VIRGINIA

APPROVED FOR SUBMISSION BY:

JOHN TREPANOWSKI, P.E.
PROGRAM MANAGER
TETRA TECH NUS, INC.
KING OF PRUSSIA, PENNSYLVANIA

TABLE OF CONTENTS

SECTION **PAGE**

ACRONYMS A-1

1.0 INTRODUCTION 1-1
1.1 SCOPE AND OBJECTIVES 1-1
1.2 REPORT ORGANIZATION 1-2

2.0 SITE BACKGROUND 2-1
2.1 SITE DESCRIPTION 2-1
2.1.1 Site Location and Layout 2-1
2.1.2 Environmental Investigation History 2-3
2.2 Environmental Setting 2-9
2.2.1 Topography and Drainage 2-9
2.2.2 Geology and Soils 2-9
2.2.3 Surface Water and Hydrogeology 2-10
2.2.4 Groundwater Occurrence 2-11

3.0 FIELD INVESTIGATION 3-1
3.1 FIELD AND SAMPLING ACTIVITIES 3-1
3.1.1 Monitoring Well Installation 3-1
3.1.2 Groundwater Sampling 3-2
3.1.3 Surface Water Sampling 3-3
3.2 Deviations from the Sampling Plan 3-4
3.3 Field Observations 3-4

4.0 ANALYTICAL RESULTS AND FINDINGS 4-1
4.1 GROUNDWATER 4-1
4.2 EVALUATION OF ISOCONCENTRATION CONTOUR CROSS SECTIONS 4-3

5.0 CONCLUSIONS AND RECOMMENDATIONS 5-1

REFERENCES R-1

APPENDICES

A Results of 2006 Groundwater, Surface Water, and Sediment Testing Southern Area, NWIRP Calverton, New York
B Survey Notes
C Soil Boring Logs
D Monitoring Well Construction Sheets
E Monitoring Well Development Records
F Soil and Sediment Sample Log Sheets
G Gamma Logs
H Groundwater Sample Log Sheets and Low Flow Purge Data Sheets
I Groundwater Level measurement Sheets
J Chain of Custody Forms
K Form 1s

TABLE OF CONTENTS (Continued)

TABLES

NUMBER		PAGE
2-1	Groundwater Elevation Data	2-15
3-1	Monitoring Well Construction Site 10B	3-6
3-2	Monitoring Well Construction Southern Area	3-7
4-1	Groundwater Analytical Results Site 6A-Fuel Calibration Area	4-4
4-2	Groundwater Analytical Results10B-Engine Test House	4-5
4-3	Groundwater Analytical Results Southern Area	4-6
4-4	Groundwater Analytical Results Southern Area PRSC	4-9

FIGURES

NUMBER		PAGE
1-1	General Location Map	1-3
1-2	Site Location Map	1-4
2-1	Site Layout Site 6A, 10B and Southern Area	2-17
2-2	Plan View Geological Cross Sections	2-18
2-3	Geological Cross Section A-A'	2-19
2-4	Geological Cross Section B-B'	2-20
2-5	Potentiometric Map for Shallow Wells Site 6A and 10B	2-21
2-6	Potentiometric Map for Shallow Wells Southern Area	2-22
2-7	Potentiometric Map for Intermediate Wells Southern Area	2-23
2-8	Potentiometric Map for Deep Wells Southern Area	2-24
2-9	Potentiometric Map of Geological Cross Section A-A'	2-25
2-10	Potentiometric Map of Geological Cross Section B-B'	2-26
3-1	Monitoring Well Location Map Site 6A and 10B	3-8
3-2	Monitoring Well Location Map Southern Area	3-9
4-1	Groundwater Analytical Results Map Site 6A & 10B	4-10
4-2	Groundwater Analytical Results Map Southern Area	4-11
4-3	Total Chlorinated VOCs Isoconcentration Contour Map	4-12
4-4	Total Chlorinated VOCs Isoconcentration Contour Map Geological Cross Section A-A'	4-13
4-5	Total Chlorinated VOCs Isoconcentration Contour Map Geological Cross Section B-B'	4-14

ACRONYMS

bgs	below ground surface
BTEX	benzene, toluene, ethyl benzene, and xylene
CLEAN	Comprehensive Long-Term Environmental Action Navy
CTO	Contract Task Order
DPT	Direct-push technology
DRO	Diesel range organics
EE/CA	Engineering evaluation/cost analysis
ft/day	feet per day
ft/ft	feet per foot
GAC	Granular Activated Carbon
GOCO	Government-owned contractor-operated
GRO	Gasoline range organics
IDW	Investigation-derived waste
IR	Installation Restoration
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
msl	mean sea level
MS/MSD	matrix spike/matrix spike duplicate
NFEC	Naval Facilities Engineering Command
NWIRP	Naval Weapons Industrial Reserve Plant
NYCRR	New York Code of Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated biphenyl
PID	Photoionization detector
PVC	polyvinyl chloride
QA	Quality Assurance
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SVOC	Semi volatile organic compound
TOC	Total organic carbon
TPH	Total petroleum hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
USDOI	United States Department of Interior

ACRONYMS (Continued)

USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	volatile organic compound
µg/L	microgram per liter

1.0 INTRODUCTION

This Data Summary Report has been prepared for the Mid-Atlantic Division of the Naval Facilities Engineering Command (NFEC) under Contract Task Order (CTO) 449 issued by the Mid-Atlantic Division of the NFEC under the Comprehensive Long-Term Environmental Action Navy (CLEAN) III contract number N62467-04-D-0055, dated June 19, 2007. The Data Summary Report addresses a pre-design groundwater investigation conducted at the Naval Weapons Industrial Reserve Plant (NWIRP) located in Calverton, New York (Figures 1-1 and 1-2). The investigation consisted of the installation of new monitoring wells and sampling and analysis of the new and existing monitoring wells at Installation Restoration Sites 6A and 10B and the Southern Area. This investigation was conducted in accordance with the Navy Installation Restoration (IR) Program and New York State Department of Environmental Conservation (NYSDEC), Resource Conservation and Recovery Act (RCRA) permit number NYD003995198.

1.1 SCOPE AND OBJECTIVES

This document details the groundwater investigation activities conducted at the NWIRP Calverton Site 6A – Fuel Calibration Area, Site 10B – Engine Test House, and Southern Area. The primary objective of the groundwater investigation was to perform an investigation of the site to develop an understanding of the current site characteristics, and presence of contamination, and to identify potential exposure pathways and receptors.

The objectives of the groundwater investigation were to complete a monitoring well network in this area and to determine the current quality of groundwater in support of an anticipated long-term groundwater monitoring program. The groundwater monitoring program will be used to evaluate the need for future actions and to evaluate potential impacts of contaminated groundwater on the downgradient Peconic River.

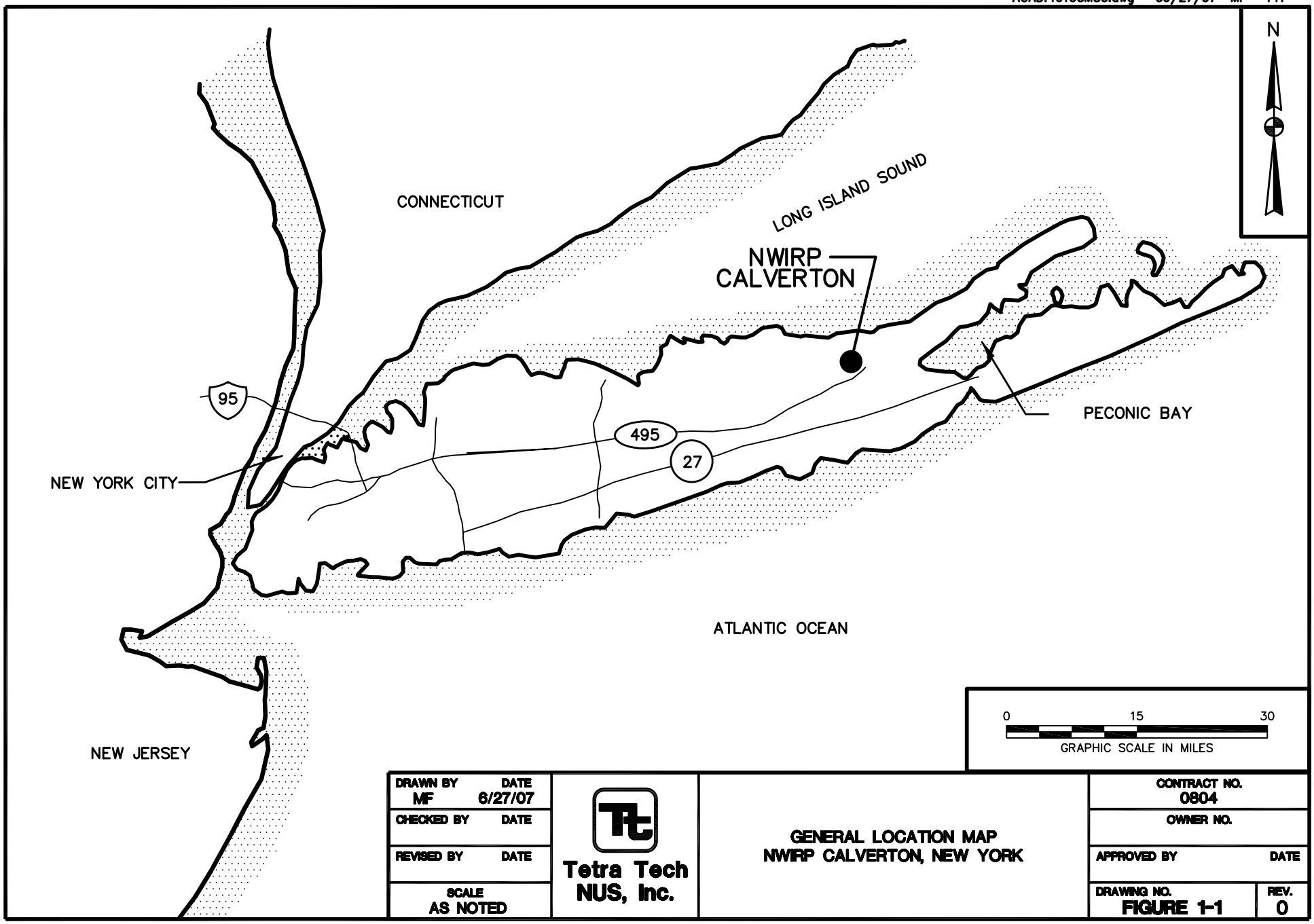
Field work conducted during the 2008 investigation is summarized as follows. A detailed description of field activities is presented in Section 3.0 of this report.

- Site 6A, groundwater sampling and analysis for volatile organic compounds (VOCs) and semi volatile organic compounds (SVOCs).
- Site 10B, monitoring well installation and groundwater sampling and analysis for VOCs.
- Southern Area, monitoring well installation and groundwater and surface water sampling and analysis for VOCs.

1.2 REPORT ORGANIZATION

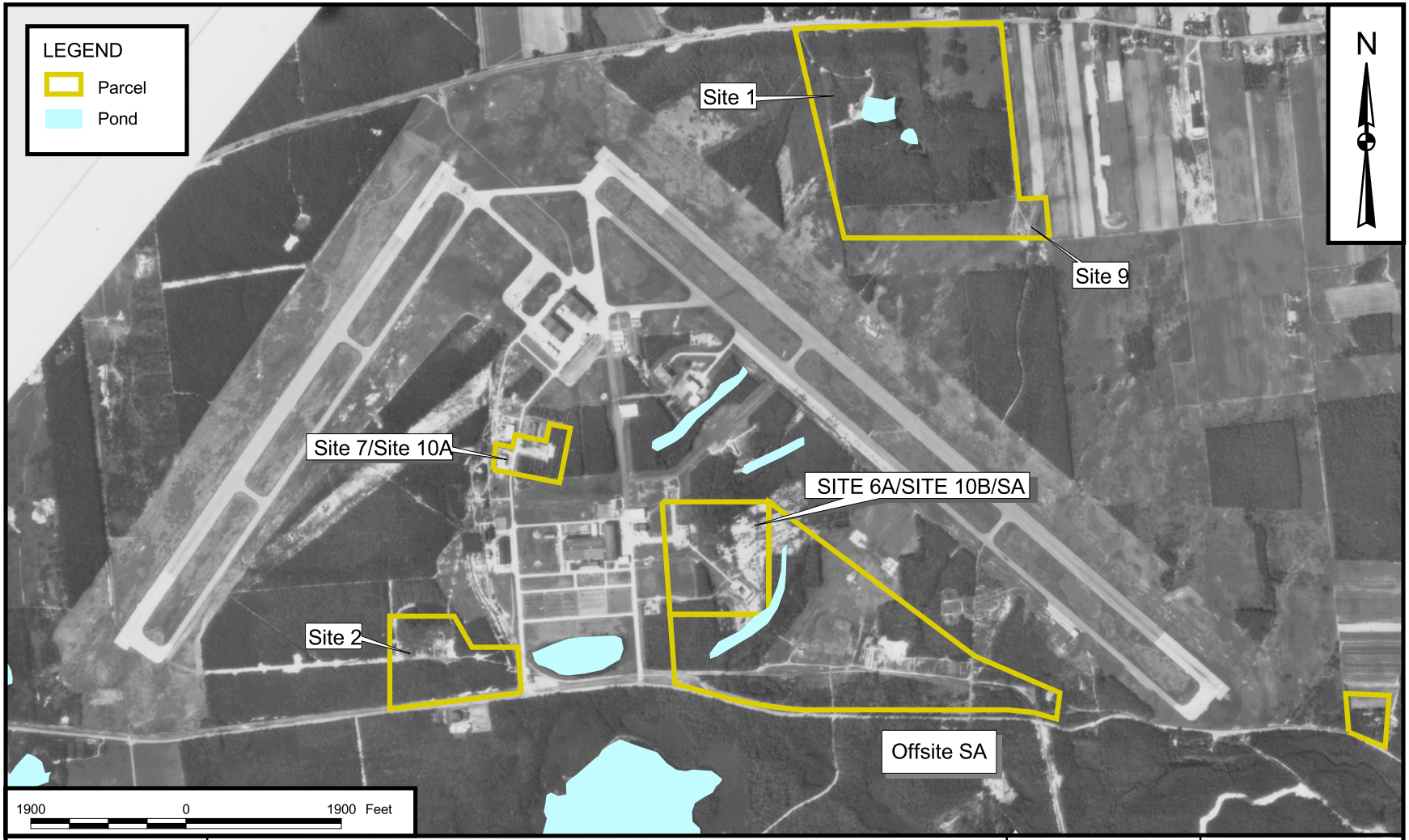
This Data Summary Report provides general program implementation information and the approach used in conducting the Groundwater Investigation activities. The plan consists of five sections. Section 1.0 provides this introduction. Section 2.0 provides the facility background and environmental setting. Section 3.0 provides a summary of the field activities. Section 4.0 presents the analytical results, and Section 5.0 presents the conclusion and recommendations.

ACAD:1610CM30.dwg 06/27/07 MF PIT



DRAWN BY MF	DATE 6/27/07	Tetra Tech NUS, Inc.	CONTRACT NO. 0804
CHECKED BY	DATE	GENERAL LOCATION MAP NWIRP CALVERTON, NEW YORK	OWNER NO.
REVISED BY	DATE		APPROVED BY / DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1-1 / REV. 0

FORM CADD NO. TTNUS-AH.DWG - REV 1 -9/10/98



DRAWN BY J. LAMEY	DATE 11/22/99	Tetra Tech NUS, Inc.	CONTRACT NUMBER 7398 / OWNER NUMBER 0270
CHECKED BY ____	DATE ____	SITE LOCATION MAP NWIRP CALVERTON, NEW YORK	APPROVED BY ___ / DATE ___
COST/SCHEDULE-AREA			APPROVED BY ___ / DATE ___
SCALE AS NOTED			DRAWING NO. FIGURE 1-2 / REV 0

P:\GIS\NWIRP_CALVERTON\SURFACE_WATER_HYDROLOGY.APR SITE LOCATION MAP 06/28/07 SS

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

2.1.1 Site Location and Layout

The Navy's Calverton facility is located in Suffolk County on Long Island, approximately 70 miles east of New York City (Figures 1-1 and 1-2). Formerly engaged in the manufacture of aircraft parts and subassemblies, the property known as NWIRP Calverton, New York was a Government-Owned Contractor-Operated (GOCO) installation leased by the Navy to the Northrop Grumman Corporation (NGC) until 1996. Since that time, all the property contained within the perimeter fence, with the exception of three noncontiguous parcels of land totaling approximately 209 acres that are being retained by the Navy to continue IR program activities (Sites 2, Site 7, and Site 6A/Site 10B/Southern Area), have been conveyed to the Town of Riverhead (Figure 1-2).

Parcels associated with Sites 1, 9, and 10A were transferred to the Town of Riverhead in 2007. There are currently no operational activities being conducted on the Navy's 209 acres. There are no longer any process-type operations being conducted at the Calverton facility that could generate hazardous waste nor are there any requirements for storage of hazardous materials on the Navy's property. Similarly, there will be no hazardous materials brought onto the Calverton property to be used as part of any process-type operations. In addition, the Navy will not be operating a hazardous waste storage area that would require permitting pursuant to 6 New York Code of Rules and Regulations (NYCRR) Part 373. Rather, all wastes generated as a result of continuation of the Navy's IR program will be managed at each parcel location for which a corrective action is taking place. As such, these parcels should be considered as less than 90-day storage areas that are exempt from 6 NYCRR Part 373 permit requirements (TtNUS, 2007a).

Site 6A-Fuel Calibration Area

Site 6A is located in Parcel B1 near the south-central portion of the former NWIRP Calverton facility, approximately 2,000 feet north of River Road and 1,500 feet west of the southern gate. Site 6A and related facilities were used in the testing of aircraft fuel and engine systems, which may have resulted in frequent, small fuel spills to the area's pavement. Minor maintenance and repairs to the fuel and engine systems were also conducted at the site, and solvents were used during these activities and were likely spilled during their use.

Site 6A consists of new and old fuel calibration pads (Figure 2-1). The old fuel calibration pad was located in what is now an open, grass-covered field in an area now partially covered by a wastewater treatment facility. No physical evidence exists of the old calibration area. The new fuel calibration pad is located north and east of the old calibration pad on a concrete apron. The concrete apron between the two fuel calibration pads was also used for the same activities. A shed, piping and fuel-filtering devices were located in the area in the 1980s. The equipment was likely removed in the 1980's (TtNUS, 2007a).

A former underground storage tank (UST) was located at the old fuel calibration pad (south of Building 231), removed in the early 1990s by NGC.

Site 10B – Engine Test House

Site 10B is located approximately 1,000 feet south of Site 6A in Parcel B1. The area consists of a building, surrounding pad, sparse woods, and open grassy areas. A drainage swale and culvert from Site 6A runs adjacent to and hydraulically up gradient of Site 10B. Groundwater from Site 6A can enter this swale and flow past Site 10B. Also, from the late 1980s to the early 1990s, groundwater from Site 6A was discharged into this drainage swale and culvert (TtNUS, 2007a).

Fuel-type contamination was found in the area of an UST that was removed in the mid-1990s. Approximately 80 cubic yards of fuel-contaminated soil were excavated during removal of the UST. The excavation did not continue under the concrete pad at Site 10B.

Southern Area – On-site and Off-site

The Southern Area is located southeast of Site 10B in Parcel B2 and extends to the southeast. This area was originally investigated because chlorinated solvents were detected in a Suffolk County monitoring well down gradient of the facility. There are no known or suspected contaminant sources within this area. However, the area is hydraulically down gradient of Site 6A, Site 10B, and the NWIRP general industrial complex. The groundwater flow direction through this area is southeast toward the Peconic River. The Peconic River is the likely end point for groundwater flow from this area.

The area is mostly wooded and includes two shallow ponds near the northern edge. The ponds receive runoff through a drainage swale and culvert from Site 6A. From the late 1980s to the early 1990s, groundwater from Site 6A was discharged into this drainage swale and culvert and into the western pond. As a result, the presence of chlorinated solvents in groundwater at the Southern Area may be attributable to Site 6A (TtNUS, 2007a).

2.1.2 Environmental Investigation History

Site 6A - Fuel Calibration Area

Site 6A was investigated during the RCRA Facility Investigation (RFI) (HNUS, 1995), Engineering Evaluation/Cost Analysis (EE/CA) for Sites 2, 6A, 7, and 10B (TtNUS, 1998), Phase 2 Remedial Investigation (RI) and Supplemental Groundwater Investigation (TtNUS, 2001), Site 6A and Southern Area Supplemental Investigation (TtNUS, 2005), and a Site 6A Data Gap Investigation conducted in January 2006 (TtNUS, 2006). Soil data was collected during the RFI and data gap investigation; groundwater data was collected during all phases of investigation; and free product data was collected during the EE/CA.

The results of the RFI indicated the presence of VOCs at relatively low to moderate concentrations in Site 6A soils. The RFI also revealed that petroleum free product remains at the site and has formed a smear zone in the vadose zone soil.

The January 2006 data gap investigation was performed to further define the extent of Site 6A petroleum and polychlorinated biphenyl (PCB) contaminated soils. The results of this investigation more accurately defined the extent of Site 6A VOC and petroleum contamination. Additionally, this investigation adequately defined the extent of PCB contaminated soil within the area of VOC and petroleum contaminated soil at Site 6A.

Chlorinated solvents and fuel-type Benzene, Toluene, Ethyl Benzene and Xylenes (BTEX) and VOCs have been consistently detected in Site 6A groundwater; however, concentrations have decreased significantly between 1994 and 2005. VOC concentrations in 1994 [1,1,1-trichloroethane (15,000 micrograms per liter [µg/L]), 1,1-dichloroethane (5,800 µg/L), chloroethane (430 µg/L), toluene (330 µg/L), and xylenes (780 µg/L)] were approximately one to three orders of magnitude greater than concentrations detected in 2005 [1,1,1-trichloroethane (12 µg/L), 1, 1-dichloroethane (29 µg/L), chloroethane (20 µg/L), toluene (3.8 µg/L), and xylenes (17 µg/L)]. Other chlorinated VOCs such as 1,2-dichloroethene (18.4 µg/L), tetrachloroethene (1.8 µg/L), and trichloroethene (4.04 µg/L) were detected in temporary wells sampled during the RFI in 1994; however, they have not been detected in permanent wells subsequently installed and sampled at the site.

Four SVOCs, including 1,2-dichlorobenzene (9 µg/L), 2-methylnaphthalene (74 µg/L), 4-methylphenol (84 µg/L), and naphthalene (120 µg/L), were detected in Site 6A groundwater during the 1995 RFI. The maximum concentrations of these SVOCs exceeded NYSDEC groundwater quality criteria. Due to the magnitude of the VOC detections and the potential migration concerns associated with them, subsequent

phases of investigation at Site 6A did not focus on these SVOCs. Therefore, current concentrations of these compounds in groundwater were not known but were expected to be lower than in 1995.

VOCs detected in groundwater samples collected in 1997, 2000, and 2005 at concentrations greater than NYSDEC groundwater quality criteria included 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, benzene, chloroethane, ethylbenzene, toluene, and xylenes. VOCs detected in groundwater samples collected in 1997, 2000, and 2005 at concentrations less than NYSDEC groundwater quality criteria include 1,1,2-trichlorotrifluoroethane (Freon 113), 1,2-dichlorobenzene, tetrachloroethene, and trans-1,2-dichloroethene. It should be noted that 1, 2-dichlorobenzene was classified by the United States Environmental Protection Agency (USEPA) as an SVOC during previous sampling activities, but it is now classified as a VOC.

The area of the groundwater contamination at that time was approximately 100,000 square feet. The highest concentrations of contamination that have typically been detected were in the top 10 feet of the aquifer; however, contamination has been detected as deep as 52 feet below ground surface (bgs) or approximately 47 feet below the water table. The total thickness of the water table aquifer is approximately 57 feet at Site 6A. Using a contaminated aquifer thickness of 30 feet (approximately one-half of the total aquifer thickness), the area of contaminated groundwater (100,000 square feet), and a porosity of 0.25, the volume of contaminated groundwater is estimated to be 5.6 million gallons. There are an estimated 3 pounds and 2 pounds of chlorinated VOCs, and fuel and other related VOC contamination in the groundwater, respectively.

Free product recovery was an ongoing NGC operation at Site 6A until 1996. Approximately 1,900 gallons of petroleum product were recovered by the operation. Monitoring of free product thickness at Site 6A was performed in 1990, 1991, August 1995 through February 1996, November 1997, and March, April, and August 1998.

During the 2006 Data Gap Investigation soil borings were advanced using direct push technology (DPT) to more accurately define the extent of VOC and petroleum-contaminated soils. The soil cuttings were also inspected for the presence of free product. Using the available information, the free product remaining at Site 6A at that time approximately 45,800 pounds, or the equivalent of 6,100 gallons. Based on this estimate, about 31 percent of the free product (1,900 of 6,100 gallons) was removed during previous efforts and approximately 69 percent remained at the site. The remaining free product is mostly adsorbed on site soils in a smear zone and is not directly recoverable as a liquid.

Site 10B - Engine Test House

Site 10B was investigated during the Phase 2 RFI (CF Braun, 1998), EE/CA for Sites 2, 6A, 7, and 10B (TtNUS, 1998), and Phase 2 RI and Supplemental Groundwater Investigation (TtNUS, 2001). Soil data were collected during the RFI, groundwater data were collected during the RI, and free product data were collected for the EE/CA.

In 1997, 10 soil samples were collected at Site 10B from the soil/groundwater interface and analyzed for Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) and Gasoline Range Organics (GRO). Two samples contained TPH-DRO at concentrations of 7,700 milligrams per kilogram (mg/kg) and 8,500 mg/kg, respectively. NYSDEC does not have a criterion for TPH-DRO; however, these concentrations indicate that there are relatively high amounts of organic (fuel-related) contamination in the soil at these locations and that free product may still be present. Using the smear zone thickness (2 feet) and area of contamination (10,300 square feet), the volume of contaminated soil is estimated to be 770 cubic yards. The total mass of organic contamination in the soil was estimated to be 18,000 pounds.

Site 10B was last investigated in 1997 by installing and sampling temporary monitoring wells. Fuel-type VOCs were detected at concentrations greater than NYSDEC groundwater quality criteria in four monitoring well samples. The fuel-type chemicals detected included benzene (1.95 µg/L), ethylbenzene (maximum detection of 1,084 µg/L), toluene (maximum concentration of 337 µg/L), and xylenes (maximum concentration of 196 µg/L). Other temporary monitoring wells at Site 10B did not exhibit evidence of significant fuel-type VOC contamination.

The fuel-type VOC contamination was generally detected within the top 20 feet of the water table aquifer. Fuel-type contamination was also sporadically detected at low concentrations (less than 5 µg/L) at greater depths, but this contamination may be attributable to Site 6A. The total thickness of the water table aquifer is approximately 50 feet at Site 10B. Using a contaminated aquifer thickness of 20 feet, the area of fuel-type contaminated groundwater (25,200 square feet), and a porosity of 0.25, the volume of contaminated groundwater is estimated to be 943,000 gallons. The total mass of fuel-type contamination in the groundwater was estimated to be 0.8 pounds.

Monitoring of free product thickness at Site 10B was performed several times from August 1995 through January 1996, and approximately three more times in March, April, and August 1998. Although TPH concentrations detected in soil samples collected at the soil/groundwater interface suggested that free product may be present, measurable free product was not observed during the 1995/1996 field activity and only a slight sheen was observed in two wells in March 1998. No product was able to be collected for analysis. Using the estimated mass of petroleum contamination in the soil and other available information, the volume of petroleum product still remaining at Site 10B is approximately 18,000 pounds,

or the equivalent of 2,500 gallons. The remaining free product is mostly adsorbed on site soils in a smear zone and is not directly recoverable as a liquid.

Southern Area - On-Site

The On-Site Southern Area was investigated during the Phase 2 RI (TtNUS, 2001) and Site 6A and Southern Area Supplemental Investigation (TtNUS, 2005). Contamination, which is not continuous throughout this area, consists of chlorinated solvents and is believed to have resulted from either intermittent releases at Sites 6A and 10B or from potential overland migration through a series of ditches and ponds in the area. The Southern Area extends from Sites 6A and 10B to the Navy property line (see Figure 2-1).

Chlorinated VOCs were detected in temporary wells within and down gradient of Site 10B at concentrations greater than NYSDEC groundwater quality criteria.

The area of the plume is approximately 86 acres (3,730,000 square feet). The chlorinated VOC contamination was generally detected within the top 40 feet of the water table aquifer. At 60 feet bgs, there is a silty clay unit that would prevent deeper migration of contamination. Some fuel-related compounds were also detected in the On-Site Southern Area Plume, but these detections were generally very low. Using a contaminated aquifer thickness of 30 feet, the area of the plume (86 acres), and a porosity of 0.25, the volume of contaminated groundwater is estimated to be 209 million gallons.

The total masses of chlorinated VOC and other VOC contamination in the On-Site Southern Area Plume were estimated to be 68 pounds and 97 pounds, respectively. Other chlorinated VOCs such as bromomethane (353 µg/L), chlorobenzene (381 µg/L), chloroform (16 µg/L), methylene chloride (7 µg/L), and vinyl chloride (60 µg/L) were detected infrequently (1 out of 37 samples) at concentrations greater than NYSDEC groundwater quality criteria. These results indicated that some of these VOCs may be present because of the migration (e.g., via groundwater or overland flow and re-infiltration) and degradation of chlorinated VOCs released from Site 6A, and the other VOCs may be present in the groundwater as a result of a minor release of these chemicals at Site 10B. These contaminants will be considered as part of the On-Site Southern Area Plume.

Freon 113 (1, 1, 2-trichlorotrifluorethane) was detected at a maximum concentration of 152 µg/L in two temporary monitoring wells located east of Site 10B. Freon 113 may have been used at Site 6A to test fuel lines, and it was detected in soil at Site 6A during the Phase 2 RI and in groundwater during sampling events in 1997 and 2005. Freon 113 has also been detected in groundwater sporadically throughout the facility. Other VOCs such as 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, and 1,2-

dichloroethene, which have been attributed to Site 6A, were also detected in two temporary wells in the Southern Area. Therefore, it is uncertain as to whether Site 6A was the original source of the Freon 113 or alternatively, there may have been a minor release of it at Site 10B in the open field around these wells. Freon 113 will be considered as part of the On-Site Southern Area Plume.

Southern Area - Off-Site

The Off-Site Southern Area includes the area south of River Road (Figure 2-1). The area was investigated during the Phase 2 RI (TtNUS, 2001) and Site 6A and Southern Area Supplemental Investigation (TtNUS, 2005a). The investigations were conducted in 1997, 2000, 2004/2005, and 2006; groundwater samples were collected from temporary wells, piezometers, and vertical profile borings during the investigations. Surface water samples were also collected from the Peconic River during the 2004/2005 and 2006 Supplemental Investigations.

The groundwater contaminants in the Off-Site Southern Area Plume include chlorinated VOCs, BTEX, Freon, and several miscellaneous VOCs (e.g., acetone, 2-butanone, etc.). Similar contaminants were detected in groundwater at Site 6A, Site 10B, and the On-Site Southern Area Plume.

Contaminants detected during all three rounds of sampling at the Off-Site Southern Area included 1,1,1-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, and chloroform. Nine contaminants were detected in excess of groundwater quality standards including 1,1,1-trichloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethene, 1,2-dichloroethane, benzene, chloroethane, toluene, and total xylenes. 1,1-Dichloroethane was the dominant VOC present in the groundwater, and it was detected at a maximum concentration of 292 µg/L. Maximum concentrations of the other contaminants were one to two orders of magnitude lower than the 1,1-dichloroethane maximum concentration. Most of the contaminants detected at concentrations greater than groundwater standards were detected in samples collected near the Pistol Range Area at the Peconic River Sportsman Club (PRSC) and Connecticut Avenue.

The off-site portion of the plume is approximately 92 acres (3,991,000 square feet). VOC contamination was generally detected at depths of 60 feet to 90 feet, or 50 feet to 80 feet below the water table. At 130 feet bgs, there is a silty clay unit that would prevent deeper migration of contamination. Using a contaminated aquifer thickness of 30 feet, the area of the plume (92 acres), and a porosity of 0.25, the volume of contaminated groundwater is estimated to be 224 million gallons. The total masses of chlorinated VOC and other VOC contamination in the Off-Site Southern Area Plume were estimated to be 670 pounds and 120 pounds, respectively (TtNUS, 2006).

Two surface water samples were collected from the Peconic River during the 2004/2005 Supplemental Investigation. No VOCs were detected in the samples, indicating that surface water was not being impacted by contaminated groundwater in the Off-Site Southern Area.

To determine the downgradient extent of the groundwater plume and potential impacts to the Peconic River; additional surface water, sediment, and groundwater samples were collected in October of 2006 (Appendix A). During this event, two shallow groundwater wells were installed just north of the Peconic River in the projected flow path of previously identified VOC-contaminated groundwater.

The chlorinated solvents 1, 1, 1-trichloroethane and associated degradation products 1, 1-dichloroethane, 1,1-dichloroethene, chloroethane, and vinyl chloride were detected in groundwater samples from the October 2006 sampling event. Of these detections; 1,1-dichloroethane (91 and 38 µg/L) and 1,1-dichloroethene (15 and 7 µg/L) were detected at concentrations greater than groundwater standards (5 µg/L) in two wells (Appendix A). The groundwater detections are less than New York State Surface Water Quality Standards of 2,100 µg/L for 1,1-dichloroethane and 210 µg/L for 1,1-dichloroethene. Alternative minimum surface water quality standards from Oakridge National Laboratories based on potential impact to ecological receptors are 47 µg/L for 1, 1-dichloroethane and 25 µg/L for 1,1-dichloroethene (TtNUS, 2007b).

In addition, toluene (3 µg/L), 1,4-dichlorobenzene (0.6 µg/L), and 1,2,4-trichlorobenzene (0.5 µg/L) were detected in groundwater samples, but at concentrations less than groundwater or surface water criteria.

Site-related chlorinated solvents were not detected in sediment samples. Acetone and 2-butanone were detected in two sediment samples. These chemicals are relatively biodegradable and the concentrations detected are less than potential sediment standards. Also, these chemicals are also common laboratory contaminants, and may be an artifact of sample analysis (TtNUS, 2007b).

The general area of groundwater contamination is located downgradient of Sites 6A and 10B. The groundwater contamination is believed to have resulted from either intermittent releases at Sites 6A and 10B or from potential overland migration through a series of ditches and ponds in the area.

Water supply wells on the PRSC are classified as a Non-Community Public Water Supply under Part 5 of the New York State Sanitary Code.

2.2 ENVIRONMENTAL SETTING

2.2.1 Topography and Drainage

NWIRP Calverton is located in an area underlain by permeable glacial material and characterized by limited surface water drainage features. Normal precipitation at the facility is expected to infiltrate rapidly into the soil. Wetland areas and glacially formed lakes and ponds are located south and southwest of the facility. NWIRP Calverton occupies a relatively flat, intermorainal area. The topographic relief at NWIRP Calverton is 54 feet and elevations range from 30 to 84 feet above mean sea level (msl) (TtNUS, 2005).

2.2.2 Geology and Soils

NWIRP Calverton lies within the Atlantic Coastal Plain Physiographic Province. Generally, this region can be characterized as an area of relatively undissected low-lying plains. The Atlantic Coastal Plain is underlain by a thick sequence of unconsolidated deposits. The surface topography has been created or modified by Pleistocene glaciation (Isbister, 1966). The facility is underlain by approximately 1,300 feet of unconsolidated sediments that consist of four distinct geologic units. These units, in descending order, are the Upper Glacial Formation, the Magothy Formation, the Raritan Clay Member of the Raritan Formation, and the Lloyd Sand Member of the Raritan Formation (McClymonds and Franke, 1972).

Soil boring and sampling activities previously completed at NWIRP Calverton reveal that the sites are predominantly underlain by fine to coarse sediments of probable glacial fluvial origin. Three distinct lithofacies were encountered during previous field investigations. The upper lithofacies represent a mixture of soil, fill, and glacial deposits and consist predominantly of silty, fine-grained sand with varying amounts of peat and clay. Fill material, where present, is always associated with the upper lithofacies. The middle lithofacies consist of predominantly fine-grained sand with varying amounts of medium- to coarse-grained sand and pebbles, and are probably representative of undisturbed glacial deposits. The lower lithofacies consist of micaceous, silty clay and may represent the Magothy Formation.

Geologic cross sections confirmed the lithology of the three distinct lithofacies. A plan view of the cross sections is presented as Figure 2-2. Cross section A-A' (Figure 2-3) focuses on the northern half of the investigation area (Southern Area) and begins at SA-MW-126 and extends east to SA-MW-129, encompassing SA-MW-127 and SA-MW-128 along River Road to Connecticut Avenue. Cross section B-B' (Figure 2-4) runs northwest to southeast and focuses on the southern half of the cross section (Site 10B-Engine Test House to Southern Area-PRSC). Cross section B-B' begins at ET-MW02S and extends southeast to SA-MW-127 and SA-MW-123, then directly south to SA-PZ-118. The soil borings were characterized from depths ranging from ground surface to 17 to 150 feet bgs. The cross sections were

drawn using data from boring logs (resulting in either a temporary or permanent monitoring well) and geophysical logs. Emphasis was placed on the geophysical logs for lithologic contacts with verification of the contact information and lithologic descriptions based on the boring logs. As seen in Figures 2-3 and 2-4, most of the geological data was available in clusters that were associated with focused study areas of groundwater contamination.

Based on cross section A-A' (Figure 2-3), there are minor amounts of fill, consisting primarily of a mixture of sand, silt, and clay, found at shallow depths (0 to 19.5 feet). Over the entire cross section area, the upper 40 to 50 feet of subsurface materials consists primarily of fine to medium sand. From the western portion of the study area (Southern Area) to the eastern portion of the study area (Connecticut Avenue) a sand/silt/clay layer ranging in thickness from 30 feet in the western region to 10 feet in the eastern region was encountered at a depth of approximately 40 to 50 feet bgs. Below this layer was an additional layer of fine to medium sand with a thickness of approximately 40 feet. At a depth of 78 feet bgs, this is a sand/clay lens with a thickness of approximately 10 feet at SA-MW-127. At a depth of 78 to 90 feet bgs, there is a silt/clay layer with a thickness of approximately 10 feet beneath SA-MW-128 and SA-MW-129. The thickness and the lateral continuity of this sand clay and silt clay deposits are unknown.

Based on cross section B-B' (Figure 2-4), there are fine-grained to medium-grained sand encountered from approximately 0 to 125 feet bgs, encountering a sand, silt, clay unit at approximately 50 feet bgs that does not extend through the entire cross section area, only beneath SA-MW-127, with a thickness of approximately 20 feet. The fine-grained to medium-grained sand layer surrounds the sand, silt, clay unit and encounters a clay unit at 120 to 150 feet bgs. The clay unit begins at SA-MW-127 with a thickness of 40 feet and extends across the PCRS to SA-PZ-118 narrowing to 10 feet in thickness.

The geologic units encountered within the study area appear to be generally flat lying, consistent with what would be expected for the glacial deposits on Long Island. The upper contact is believed to be an erosional surface and is expected to be flat lying to undulating, reflecting the former topography.

2.2.3 Surface Water and Hydrogeology

The majority of the facility and all of Sites 6A and 10B and the Southern Area are located within the Peconic River drainage basin. The eastward-flowing Peconic River is located approximately 1,300 feet south of the facility at its closest point. The Peconic River discharges to Peconic Bay located 8.5 stream miles from the facility. Major surface water features near the facility include McKay Lake and Northeast Pond. McKay Lake is a man-made groundwater recharge basin located north of River Road, midway along the southern site border. Northeast Pond is located at the northeast corner of the facility. Several small drainage basins exist near Site 6A (Runway Ponds). All of these surface water features are land locked, with the exception of McKay Lake, which has an intermittent discharge to Swan Pond, located

1,500 feet to the south of NWIRP Calverton. Overhead flow from the drainage basins to the Peconic River may also occur periodically.

A number of small wetlands exist on the Calverton facility. The U.S. Department of the Interior (USDOI), Fish and Wildlife Department classifies the western half of the 2-acre Northeast Pond as palustrine, forested/scrub/shrub/emergent wetland. The drainage basins are classified as palustrine, scrub/shrub/emergent wetland (USDOI, 1980).

The unconsolidated sediments that underlie NWIRP Calverton are generally coarse-grained with high porosities and permeabilities. These factors create aquifers with high yields and transmissivities. The Upper Glacial Formation, the Magothy Formation, and the Lloyd Sand are the major regional aquifers. The Upper Glacial and Magothy aquifers are of principle importance in Suffolk County because of their proximity to the ground surface. The Raritan Clay of the Raritan Formation has a very low permeability and acts as a regional confining layer that is believed to minimize the local risk of contamination to the underlying Lloyd Sand aquifer (McClymonds and Franke, 1972). The Lloyd Sand has not been extensively developed due to its depth and the abundant water available in the overlying aquifers. The Upper Glacial aquifer is widely used as a source of groundwater in Suffolk County. The water table beneath the NWIRP Calverton lies within this aquifer. Porosities in excess of 30 percent have been calculated for the Upper Glacial aquifer in adjoining Nassau County. Hydraulic conductivity is estimated at 270 feet per day (ft/day).

The Magothy aquifer is widely used as a source of groundwater in Suffolk County. The most productive units are coarser sand and gravel. The permeability of the Magothy is high and hydraulic conductivity has been calculated in excess of 70 ft/day.

The Upper Glacial and Magothy aquifers are believed to be hydraulically interconnected and to function as a single unconfined aquifer. Logs from on-site monitoring wells, previous hydrogeologic investigations, and geologic mapping indicate that although clay lenses that may create locally confining and/or perched conditions are present in both aquifers, these lenses are not widespread and do not function as regional aquitards (McClymonds and Franke, 1972; Fetter, 1976).

2.2.4 Groundwater Occurrence

Groundwater is encountered under unconfined conditions at shallow depths beneath NWIRP Calverton within the glacial deposits that form the uppermost hydrogeologic unit in the area. This shallow aquifer, commonly referred to as the upper glacial aquifer, extends to depths of approximately 14 to 150 feet below ground surface in the study area and is the aquifer of most concern in regards to groundwater

quality issues related to the facility. The upper glacial aquifer is comprised primarily of highly permeable glacial outwash deposits, with till (unsorted mixtures of sand, silt, clay, and gravel) and glaciolacustirne clayey deposits also present, observed at NWIRP Calverton as relatively flat, alternating units of sands and silts/clays overlying the laterally extensive silty clay unit.

At Site 6A - Fuel Calibration Area, groundwater monitoring wells screened within the upper glacial aquifer include the shallow and intermediate wells (designated with S and I, respectively). The shallow and intermediate wells are described as being located in the Upper Hydrogeologic Regime. In the Southern Area, groundwater monitoring wells screened within the upper glacial aquifer include the shallow and intermediate piezometers and monitoring wells (designated with S and I, respectively) and some of the deep piezometers (designated D). These shallower wells are described as being in the Upper Hydrogeologic Regime.

The Upper Hydrogeologic Regime interacts directly with the Peconic River. Underlying the upper glacial aquifer is the Magothy aquifer that starts at approximately 140 to 150 feet below ground surface. This aquifer, comprised primarily of clayey fine to medium sand with minor silty clay horizons directly underlying the laterally extensive silty clay unit, is projected to be about 650 feet thick in north-central Suffolk County (including the NWIRP Calverton area), and is used regionally as a major source for water supplies.

Groundwater movement within the upper glacial and Magothy aquifers is primarily through the coarser-grained sediments towards local (i.e., wells, small streams) or regional (i.e., rivers) groundwater discharge points. Because of the expected low hydraulic conductivity of fine grained deposits in comparison to the coarser sand/gravel deposits, local silt/clay lenses or more areally extensive silt/clay layers are expected to serve as barriers to vertical groundwater migration.

Across the study area to the Peconic River, the water table was generally encountered within about 20 feet of ground surface. Near the Peconic River, the depth to groundwater decreased to less than 10 feet from ground surface because groundwater (in general) appears to be discharging to the river in this area.

Groundwater Flow Directions

A local groundwater divide is believed to be present at NWIRP Calverton. Based on previously published information and on RFI data interpretations (HNUS, 1995), the general direction of groundwater flow across the southern and eastern portions of NWIRP Calverton, including the study area, is east-southeast, towards the Peconic River, while groundwater in the northern portion of the facility flows northward towards Long Island Sound.

During the Phase 2 RI (TtNUS, 2001), a focused groundwater investigation was performed in the Southern Area to determine whether the Peconic River was the discharge point for the shallow groundwater migrating in this direction from the facility or whether some groundwater bypassed the river and migrated to areas further south. The study involved the installation of several well clusters on both sides and in the immediate vicinity of the river, the installation of two staff gauges in the river, and the collection of four rounds of water level data from the wells and staff gauges. Wells were screened to a maximum depth of approximately 80 feet bgs. Potentiometric surface interpretations based on water level data from the well clusters indicated that the river is the ultimate groundwater discharge point for groundwater to a depth of up to 80 feet bgs in this area.

In 1997, the Nature Conservancy - Long Island Chapter prepared several water table contour maps for the general Calverton area for shallowly screened wells (upper portions of the upper glacial aquifer). These maps indicated that the groundwater flow direction within the Southern Area is generally to the east-southeast, towards the Peconic River. An overall groundwater flow gradient across the study area of approximately 0.0012 was calculated based on the water table contour maps. This overall flow gradient was in good agreement with site-specific groundwater flow gradients observed during groundwater investigations.

Figure 2-5 and Table 2-1 present the groundwater elevations for the shallow wells in the northern portion of the study area (Site 6A - Fuel Calibration Area), in February 2008. Based on these data, groundwater flow is toward the southeast, with groundwater elevations ranging from 39 to 37 feet msl, from Site 6A toward Site 10B. Analysis of vertical flow between the shallow and intermediate wells at the well cluster FC-MW-01 shows that there is a minor downward vertical gradient of 0.0005 feet per foot (ft/ft) between these two well depths.

Figures 2-6, 2-7, 2-8, and Table 2-1 present the groundwater potentiometric surface elevations for the shallow (S), intermediate (I), and deep (D) wells in the Southern Area, respectively. A comparison of potentiometric surface contours in Figures 2-6, 2-7, and 2-8 show that in the Southern Area, groundwater has the potential to flow downward and toward the Peconic River. Based on these data, groundwater flow is toward the southeast, ranging from 37 to 29 feet msl, from Site 10B toward the Peconic River.

Analysis of vertical flow between the shallow and intermediate wells at the well cluster SA-MW-126 and SA-PZ-123 shows that there is a minor downward vertical gradient of 0.002 ft/ft between these two well depths (Figures 2-6 and 2-7). The deep wells have a shallower vertical gradient of 0.0007 ft/ft (Figure 2-8). This variance in downward vertical gradients corresponds to the presence of silty clay units separating the shallow/intermediate from the deep wells. This gradient also suggests that the silty clay

units present beneath the northern portion of the study area plays a key role in limiting the vertical migration of groundwater, although the gradient is higher; the permeability is much lower between the two zones, resulting in an overall decrease in vertical groundwater velocity. Because of a limited number of wells, and the presence of the Peconic River and the pond locally effecting groundwater flow, potentiometric surface contours were not developed for this area. However, these data can be used to develop general area-wide flow patterns. Of particular interest is the discharge point for groundwater to a maximum depth of 130 feet msl, the maximum depth of contaminated groundwater in this area which was shown to discharge to the Peconic River. In addition, there is no evidence of contamination below this silty clay unit (TtNUS, 2005).

Figures 2-9 and 2-10 present potentiometric maps depicting vertical groundwater flow for cross sections A-A' and B-B', respectively. Figure 2-9 transect is situated along River Road extending to the east across the site. Groundwater flows through the sand layer directly beneath the surface. A sand/silt/clay lens located approximately 40 feet msl creates locally confining conditions restricting groundwater flow beneath the lens. As the lens tapers off towards the east, in the direction of groundwater flow, groundwater is able to permeate through the shallower part of the lens and depth to groundwater increases. Transect B-B' runs southwest (Site 10B) to northeast (Peconic River), in the direction of groundwater flow (Figure 2-10). Section B-B' also includes the sand/silt/clay lens that acts as a locally confining unit. The sand/silt/clay lens is not found along Connecticut Avenue where groundwater flows into the Peconic River.

TABLE 2-1
GROUNDWATER ELEVATION DATA
NWIRP CALVERTON, NEW YORK
PAGE 1 OF 2

Site	Type	Monitoring Well ID	Screened Interval Depth (feet) [1]	Reference Elevation TOC (PVC) (feet)	Ground Surface Elevation (feet)	Depth to Groundwater (TOC) (feet)	Water Level Elevation (feet)
						2/7/2008	
6A	SHALLOW	FC-MW-01-S	5 to 15	48.56	* 46.56	8.80	39.76
		FC-MW-02-S	3 to 13	48.35	* 46.35	8.76	39.59
		FC-MW-03-S	3 to 13	47.86	* 45.86	8.23	39.63
		FC-MW-04-S	3 to 13	46.46	* 44.46	7.08	39.38
		FC-MW-05-S	6 to 16	49.09	* 47.09	10.06	39.03
		FC-MW-06-S	9 to 19	51.72	* 49.72	12.15	39.57
		FC-MW-07-S	5 to 15	48.38	* 46.38	10.15	38.23
		FC-MW-08-S	2 to 12	45.22	* 43.22	5.87	39.35
10B	SHALLOW	ET-MW01S	7 to 17	47.60	45.22	10.11	37.49
		ET-MW02S	7 to 17	47.03	44.55	9.66	37.37
		ET-MW03S	7 to 17	47.86	45.31	10.56	37.30
Southern Area	SHALLOW	SA-MW-126S	5 to 15	39.90	37.40	4.92	34.98
		SA-MW-127S	5 to 15	40.62	38.38	6.73	33.89
		SA-MW-128S	7 to 17	40.53	38.26	9.04	31.49
		SA-MW-129S	19.5 to 29.5	51.99	49.75	22.42	29.57
		SA-PZ-118S	6 to 16	31.12	* 29.12	5.05	26.07
		SA-PZ-120S	8 to 18	32.34	* 30.34	6.45	25.89
		SA-PZ-122S	12 to 22	43.80	41.16	14.95	28.85
		SA-PZ-123S	7 to 17	37.04	34.50	9.13	27.91
	INTERMEDIATE	SA-MW-126I	40 to 50	40.05	37.54	5.04	35.01
		SA-MW-127I	36 to 46	40.84	38.51	6.95	33.89
		SA-MW-128I	30 to 40	41.00	38.59	9.52	31.48
		SA-MW-129I	50 to 60	52.23	49.92	22.68	29.55
		SA-PZ-118I	50 to 60	31.67	* 29.67	5.60	26.07
		SA-PZ-122I	39 to 49	43.58	41.25	14.74	28.84
		SA-PZ-123I1	32 to 42	37.58	34.83	9.66	27.92

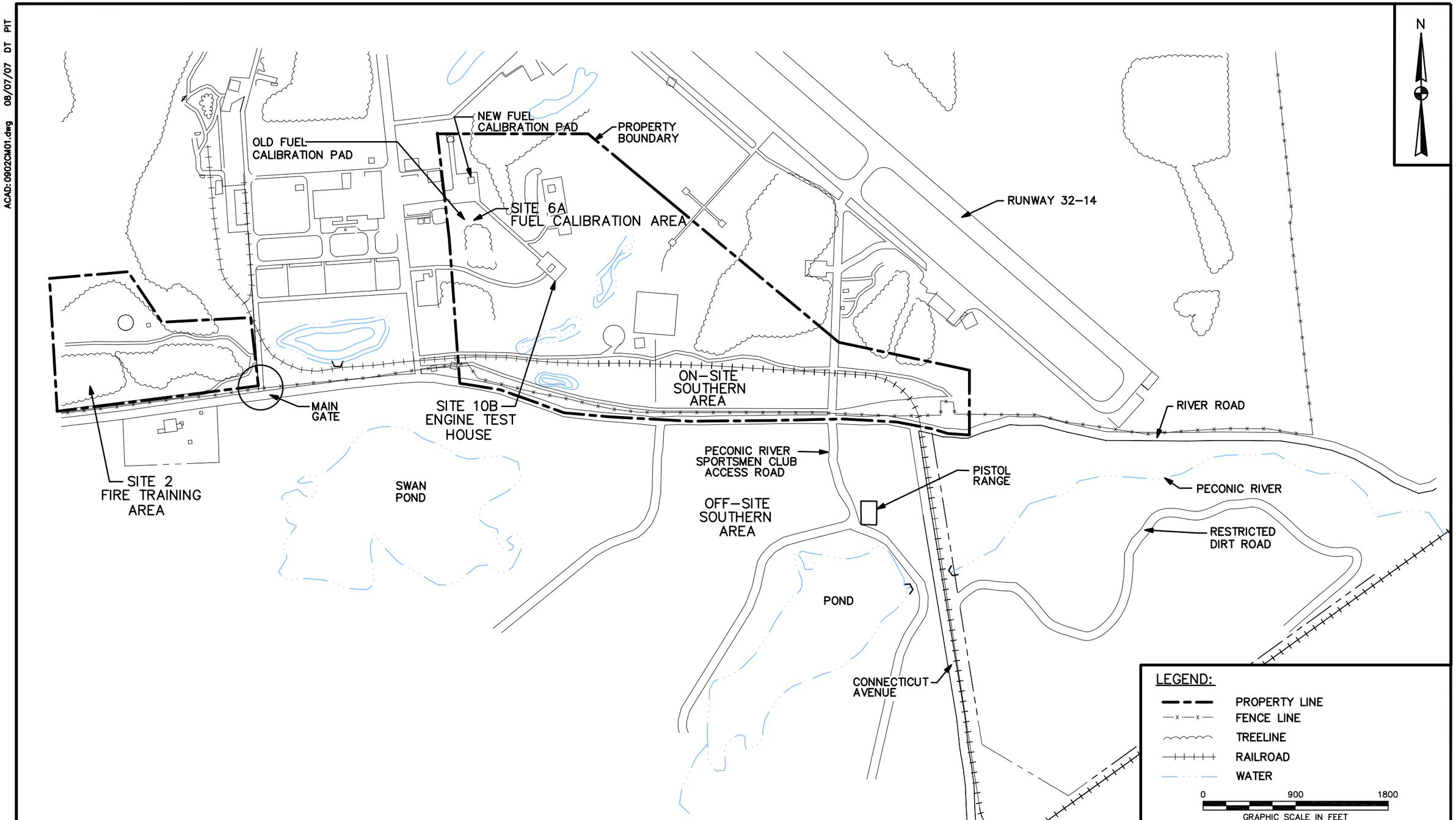
TABLE 2-1
GROUNDWATER ELEVATION DATA
NWIRP CALVERTON, NEW YORK
PAGE 2 OF 2

Site	Type	Monitoring Well ID	Screened Interval Depth (feet) (1)	Reference Elevation TOC (PVC) (feet)	Ground Surface Elevation (feet)	Depth to Groundwater (TOC) (feet)	Water Level Elevation (feet)
						2/7/2008	
Southern Area	DEEP	SA-MW-126D	74 to 84	40.05	37.54	7.18	32.87
		SA-MW-127D	68 to 78	40.84	38.51	8.65	32.19
		SA-MW-128D	58 to 68	41.00	38.59	9.80	31.20
		SA-MW-129D	80 to 90	52.23	49.92	22.62	29.61
		SA-PZ-122D	122 to 132	43.58	41.25	14.07	29.51
		SA-PZ-123I	70 to 80	38.09	35.26	10.28	27.81

Notes: TOC = Top of Casing
PVC = Polyvinyl Chloride Well Casing

* Ground surface elevation is estimated.

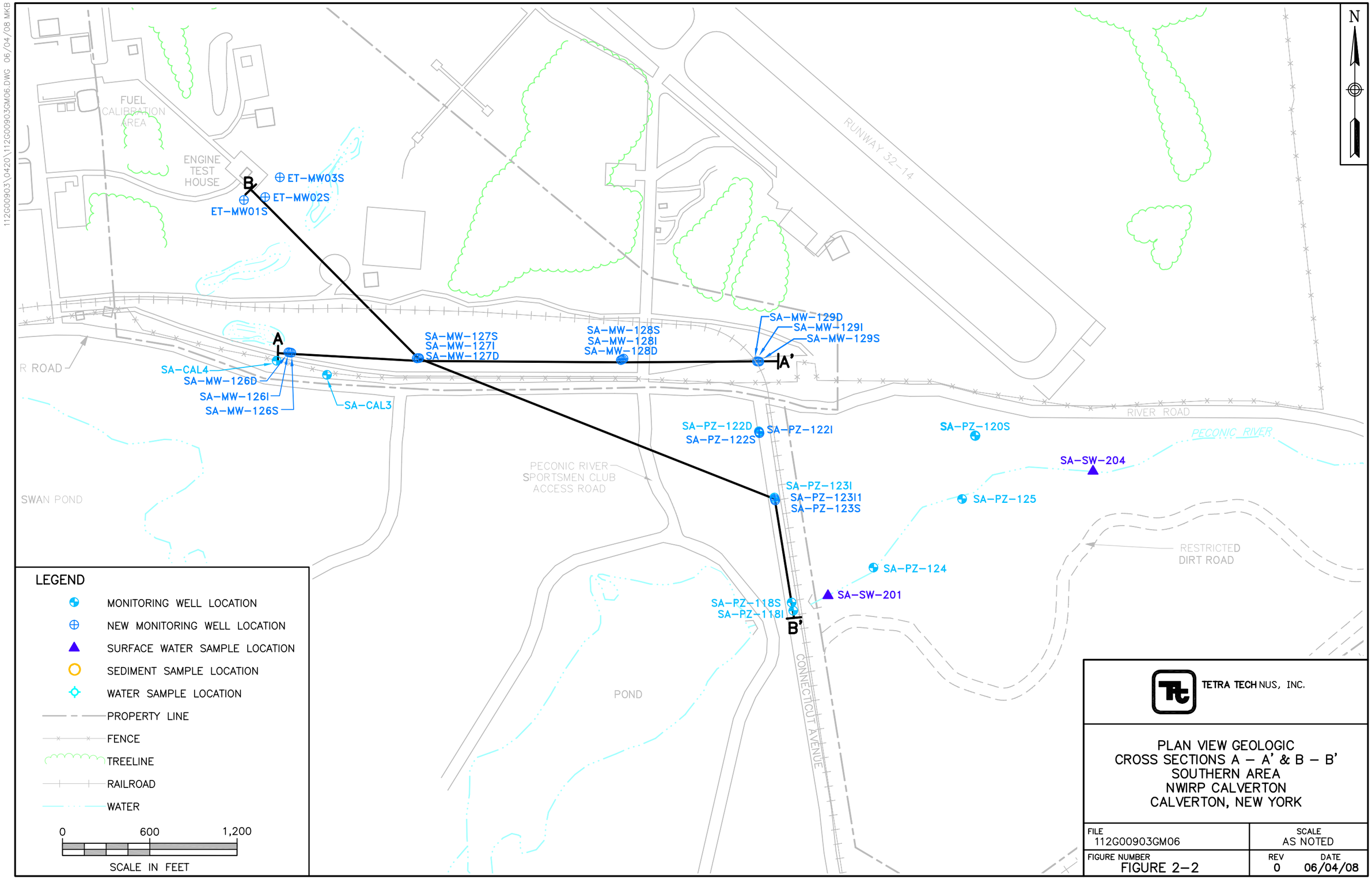
ACAD:0902CM01.dwg 08/07/07 DT PIT



DRAWN BY MF DATE 7/25/07	Tetra Tech NUS, Inc.	SITE LAYOUT SITE 2, SITE 6A, SITE 10B, AND SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0902
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 REV. 0

FORM CADD NO. TTNUS-BH.DWG - REV 1 - 9/10/98

112G00903\0420\112G00903GM06.DWG 06/04/08 MKB

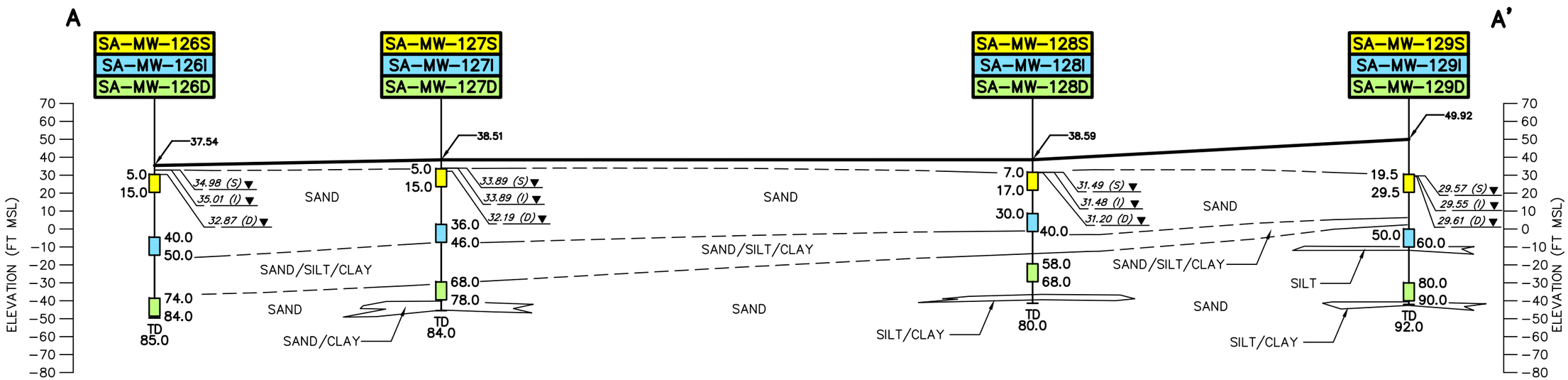


TETRA TECH NUS, INC.

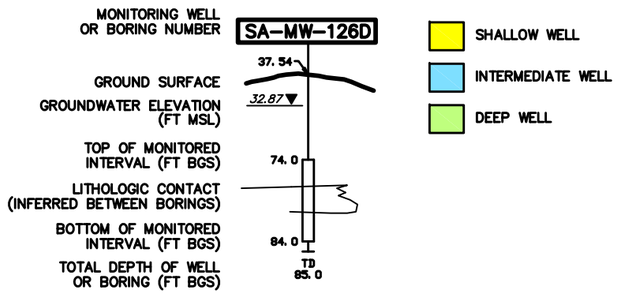
PLAN VIEW GEOLOGIC
CROSS SECTIONS A – A' & B – B'
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK

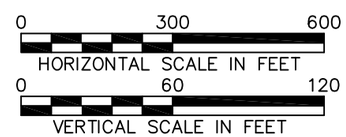
FILE	SCALE
112G00903GM06	AS NOTED
FIGURE NUMBER: FIGURE 2–2	REV: 0 / DATE: 06/04/08

ACAD: 0903CX03.dwg 05/21/08 CK PIT



LEGEND:





NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

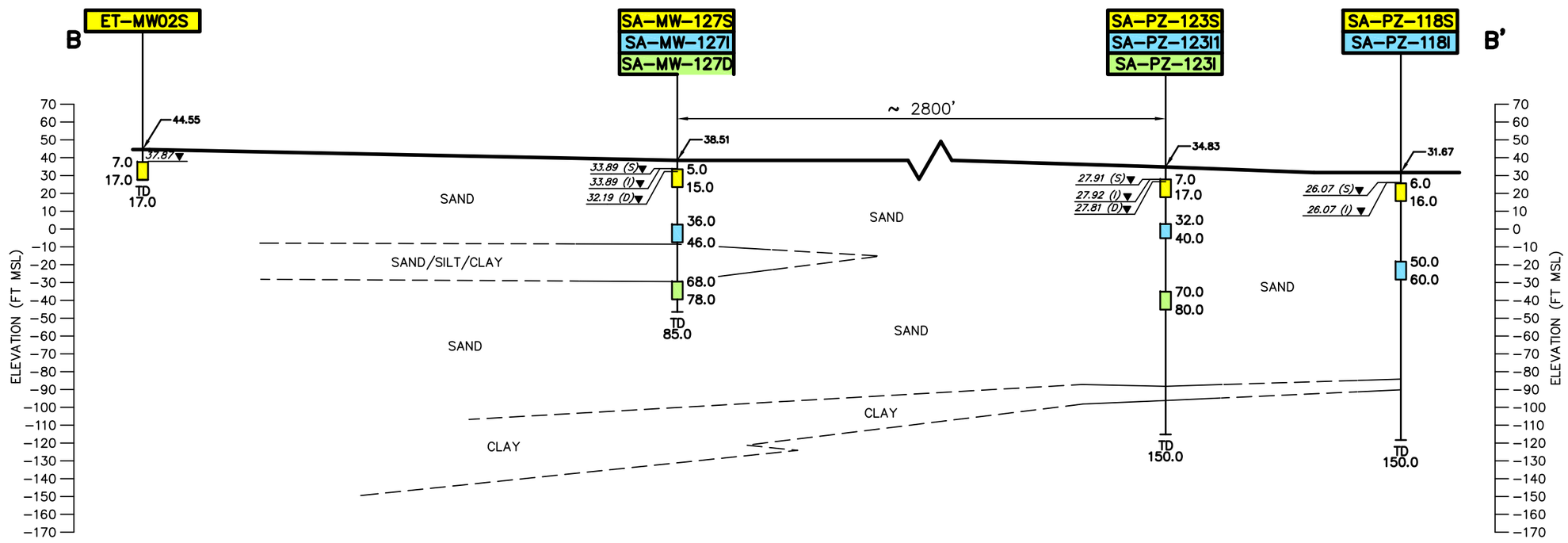
4.) WATER LEVEL DATA 2-7-08.

5.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

DRAWN BY CK DATE 5/21/08	Tetra Tech NUS, Inc.	GEOLOGICAL CROSS SECTION A – A' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-3 REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

ACAD: 0903CX06.dwg 05/22/08 CK PIT



NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

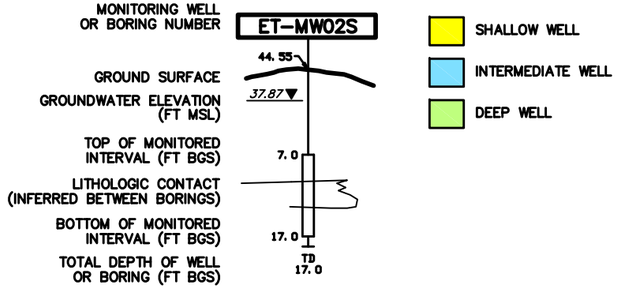
2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

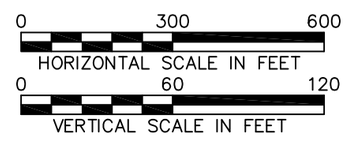
3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

4.) WATER LEVEL DATA 2-7-08.

5.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

LEGEND:

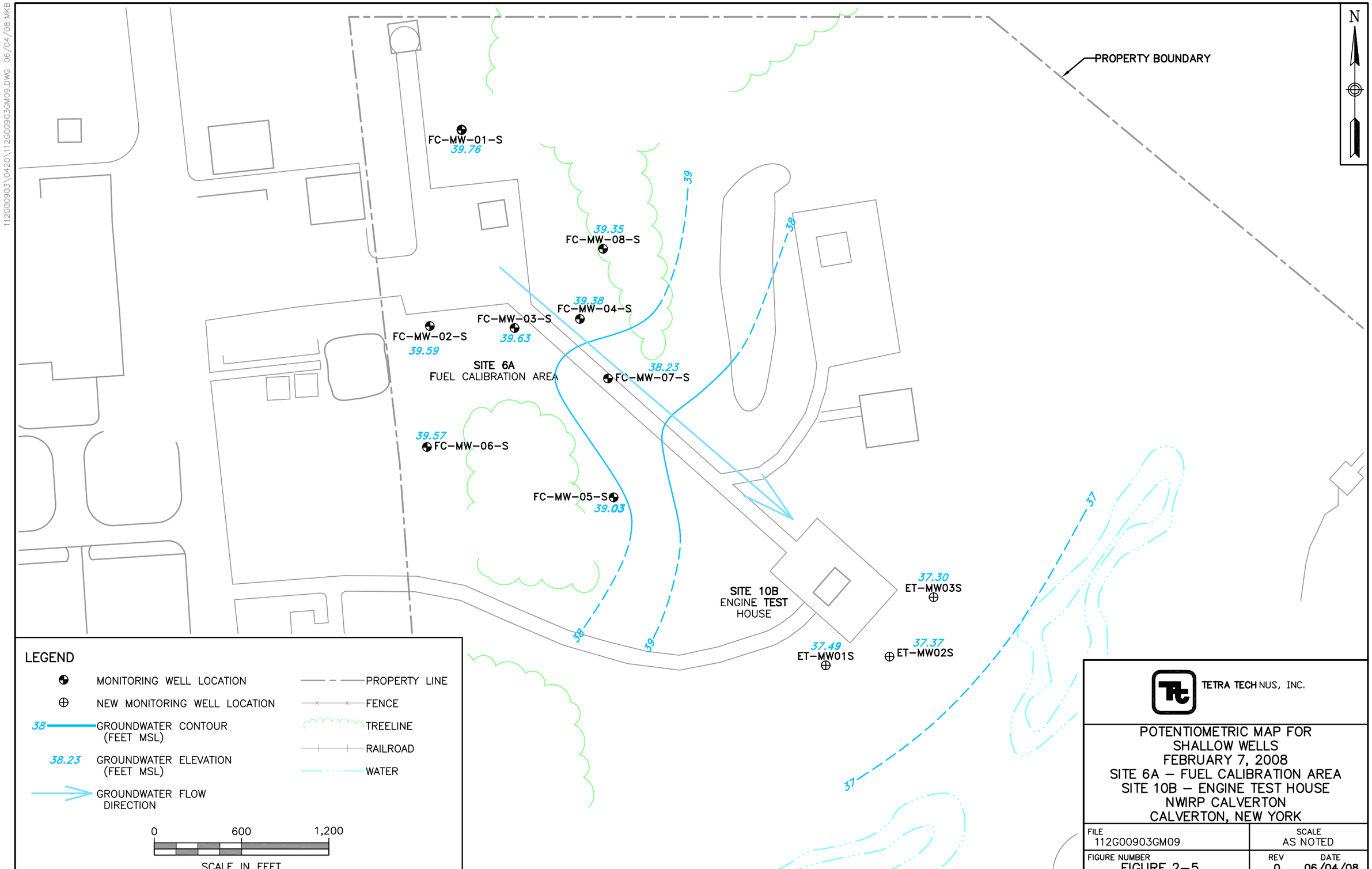




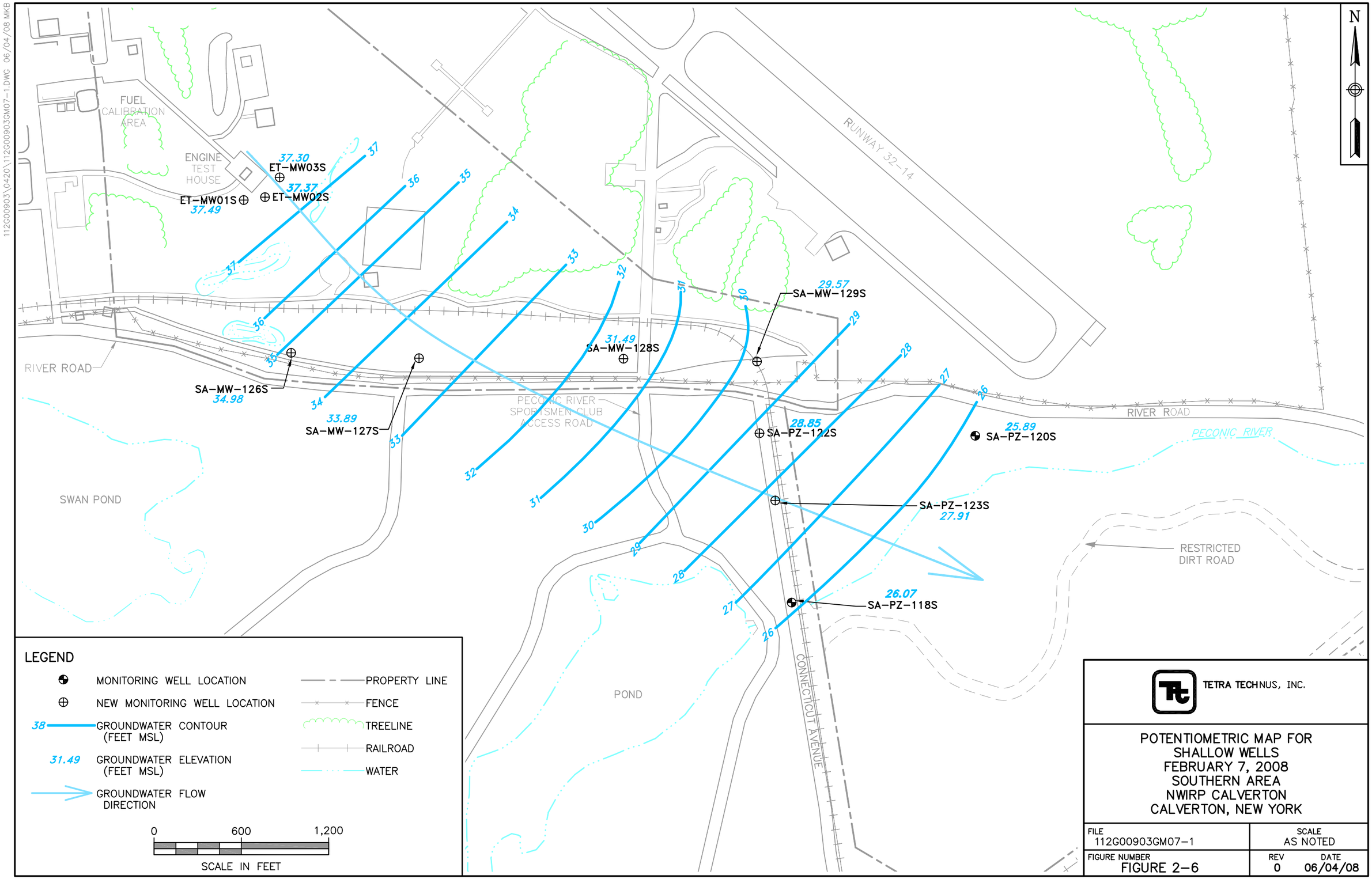
DRAWN BY CK DATE 5/22/08	Tetra Tech NUS, Inc.	GEOLOGICAL CROSS SECTION B – B' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-4 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

112G00903\0420\112G00903GM09.DWG 06/04/08 MKB



112G00903\0420\112G00903GM07-1.DWG 06/04/08 MKB

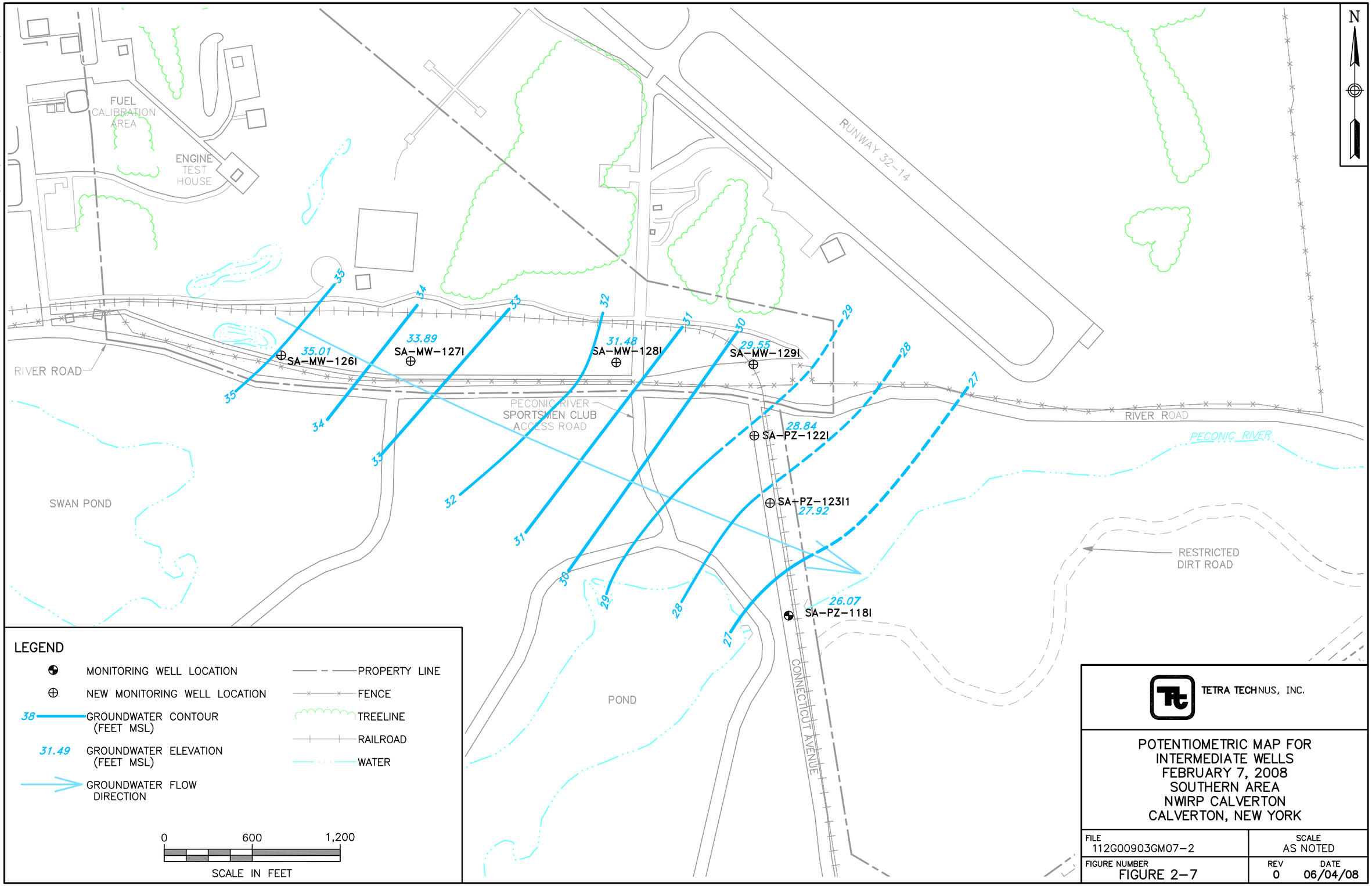


TETRA TECHNUS, INC.

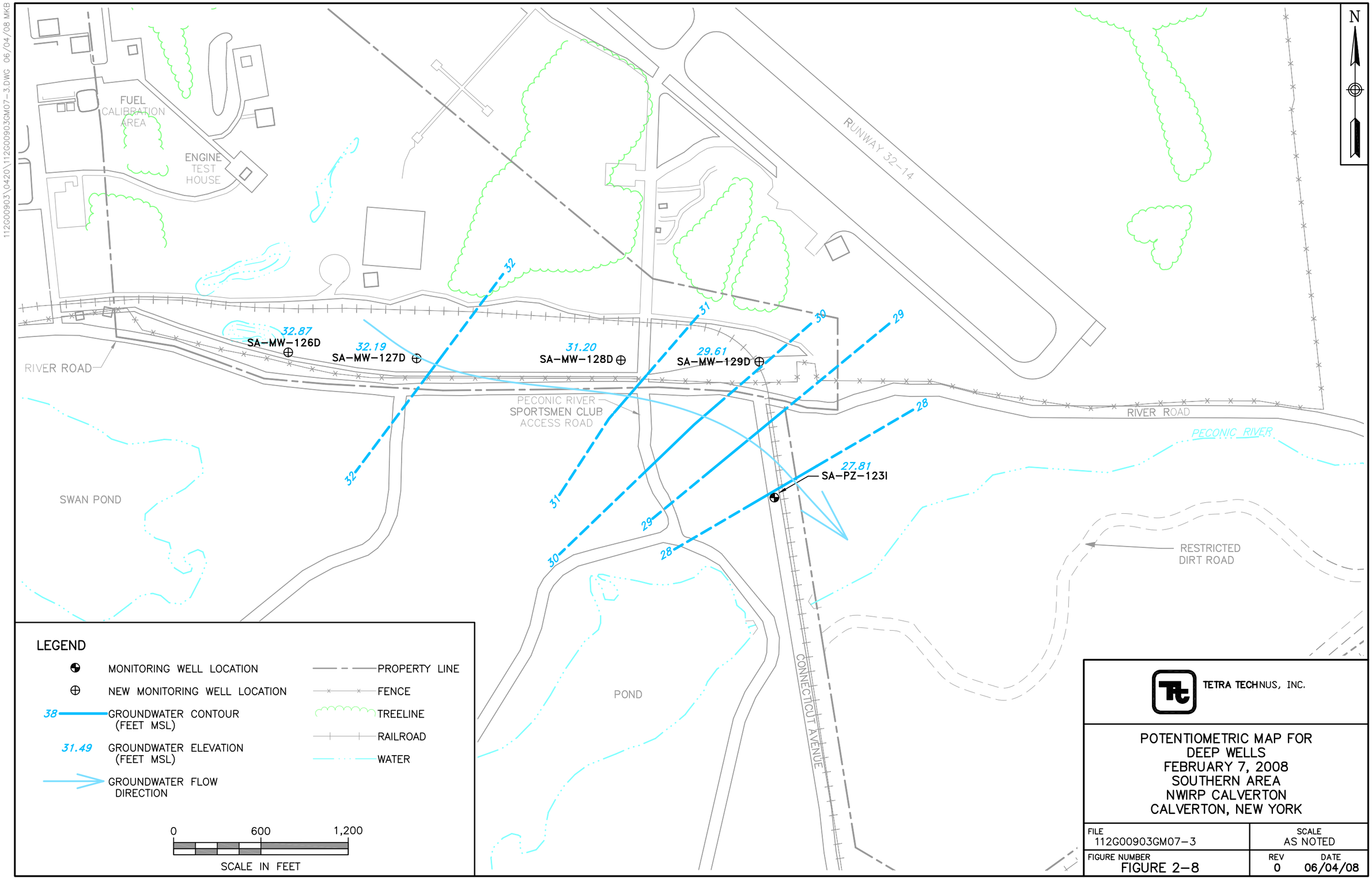
POTENTIOMETRIC MAP FOR
SHALLOW WELLS
FEBRUARY 7, 2008
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK

FILE	SCALE
112G00903GM07-1	AS NOTED
FIGURE NUMBER	REV / DATE
FIGURE 2-6	0 / 06/04/08

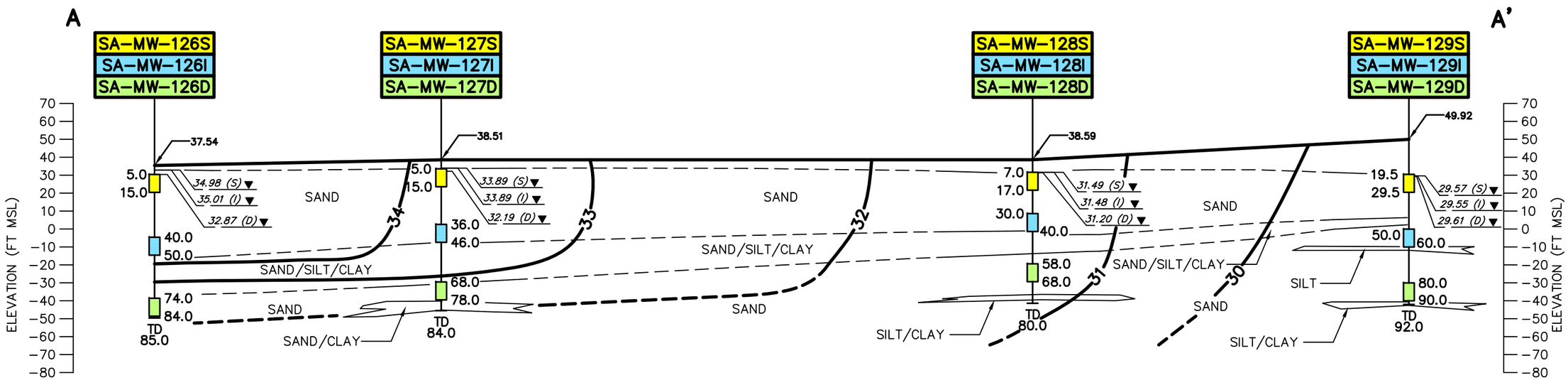
112G00903\0420\112G00903GM07-2.DWG 06/04/08 MKB



112G00903\0420\112G00903GM07-3.DWG 06/04/08 MKB



ACAD: 0903CX07.dwg 05/21/08 CK PIT



NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

4.) WATER LEVEL DATA 2-7-08.

5.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

LEGEND:

MONITORING WELL OR BORING NUMBER — SA-MW-126D

GROUND SURFACE — 37.54

GROUNDWATER ELEVATION (FT MSL) — 32.87

TOP OF MONITORED INTERVAL (FT BGS) — 74.0

LITHOLOGIC CONTACT (INFERRED BETWEEN BORINGS)

BOTTOM OF MONITORED INTERVAL (FT BGS) — 84.0

TOTAL DEPTH OF WELL OR BORING (FT BGS) — TD 85.0

SHALLOW WELL

INTERMEDIATE WELL

DEEP WELL

POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED)

34 POTENTIOMETRIC SURFACE ELEVATION

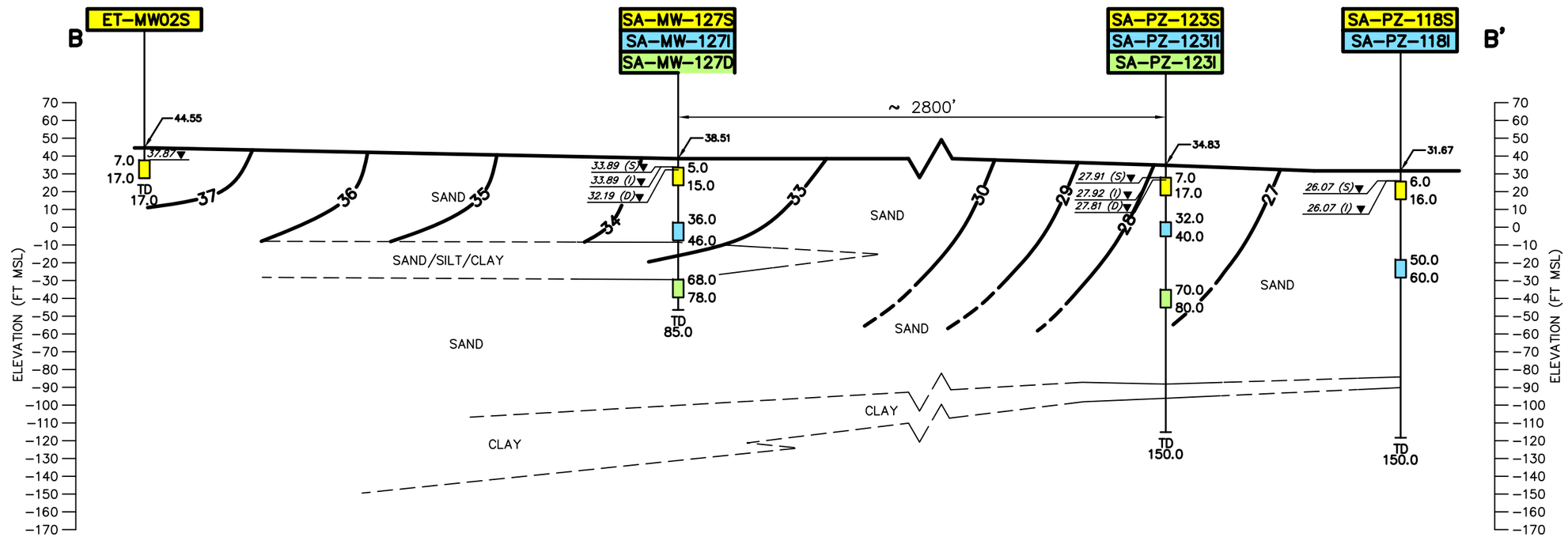
0 300 600
HORIZONTAL SCALE IN FEET

0 60 120
VERTICAL SCALE IN FEET

DRAWN BY CK DATE 5/21/08	Tetra Tech NUS, Inc.	POTENTIOMETRIC MAP OF GEOLOGICAL CROSS SECTION A – A' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-9 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

ACAD: 0903CX08.dwg 05/22/08 CK PIT



NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

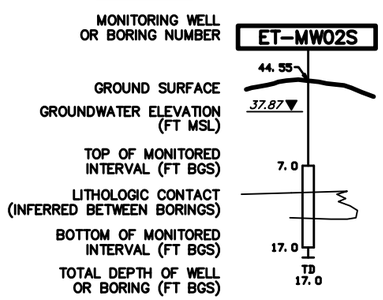
3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

4.) WATER LEVEL DATA 2-7-08.

5.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

6.) POTENTIOMETRIC CONTOURS AT 31 AND 32 FT BGS ARE NOT SHOWN DUE TO THE BROKEN AREA OF THE CROSS SECTION.

LEGEND:



SHALLOW WELL

INTERMEDIATE WELL

DEEP WELL

POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED)

37 POTENTIOMETRIC SURFACE ELEVATION

0 300 600
HORIZONTAL SCALE IN FEET

0 60 120
VERTICAL SCALE IN FEET

DRAWN BY CK DATE 5/22/08	Tetra Tech NUS, Inc.	POTENTIOMETRIC MAP OF GEOLOGICAL CROSS SECTION B – B' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-10 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

3.0 FIELD INVESTIGATION

3.1 FIELD AND SAMPLING ACTIVITIES

A groundwater investigation was conducted for Sites 6A and 10B and the Southern Area to characterize groundwater conditions at the site, to quantify the potential risks posed to human health and the environment, and to provide data to evaluate the need and options for further action at the site. The following sections identify the sampling locations and type of samples collected at each sampling location.

Exact sampling locations for the new monitoring wells were determined in the field to allow for rig access and avoid utilities. New monitoring wells were surveyed by New York State-licensed surveyor; L.K. Mclean Associates, P.C. Brookhaven, New York, April 2008 (Appendix B).

3.1.1 Monitoring Well Installation

Nineteen (19) monitoring wells were installed for this investigation (Figures 3-1 and 3-2). Three monitoring wells were installed at Site 10B from January 3, 2008 to January 4, 2008 to monitor for potential migration of fuel-contaminated groundwater from this site (Figure 3-1). Sixteen (16) monitoring wells were installed in the Southern Area from December 04, 2007 to January 2, 2008 to complete the monitoring well network for that area (Figure 3-2). The new monitoring wells in the Southern Area include 12 wells located in a line along the southern boundary of Parcel B. These wells will be used to evaluate the quality of groundwater leaving the current Navy property. Additional wells were installed along Connecticut Avenue to supplement existing monitoring wells.

The new well depths range from approximately 15 to 92 feet bgs, including 9 shallow wells (15 - 30 feet bgs), 6 intermediate-depth wells (40 - 60 feet bgs), and 4 deep wells (78 - 92 feet bgs). Depths were finalized in the field based on confining units and the depth to the water table. Wells were constructed using 2-inch diameter polyvinyl chloride (PVC), slotted well screen, and a bentonite seal. The remainder of the annular space up to the ground surface was filled using bentonite/cement grout. The wells were finished with an approximate 2-foot stickup and lockable steel casing. The monitoring wells were developed using a small diameter Grundfos Redi-Flow submersible pump. The wells were developed to remove drilling fluids and turbidity. Monitoring well construction tables are presented as Table 3-1 (Site 10B) and Table 3-2 (Southern Area). Soil Boring Logs are presented in Appendix C, Monitoring Well Construction Sheets are presented in Appendix D, and Monitoring Well Development Records are presented in Appendix E.

The monitoring wells were installed in 8 inch soil borings constructed using a hollow stem auger rig. In order to control running sands, limited quantities of potable water were added to some of the borings. During installation of the soil borings, four split spoon samples were collected for Total Organic Carbon (TOC) analysis at depths ranging from 15 to 86 feet bgs from SA-MW-126I, SA-MW-126D, SA-MW-127I, and SA-MW-128S (Appendix F). In addition, the lithology in the deep soil borings (SA-MW-126D, SA-MW-127D, SA-MW-128D, and SA-MW-129D) was determined using a gamma log (Appendix G). Solid investigation-derived waste (IDW) from soil cuttings was containerized in nine 55-gallon drums. Representative samples were collected and analyzed for VOCs, SVOCs, and TCLP metals.

3.1.2 Groundwater Sampling

Groundwater Investigation activities were conducted to characterize groundwater at Sites 6A, 10B, and the Southern Area, to better determine the vertical and horizontal extent of contamination, and evaluate the continuity of the groundwater plume. There are 12 pre-existing groundwater monitoring wells at Site 6A and 8 pre-existing monitoring wells in the Southern Area. Three additional monitoring were installed at Site 10B and 16 additional monitoring wells in the Southern Area (Figures 3-1 and 3-2).

A total of 36 groundwater monitoring wells were sampled during this groundwater investigation (Site 6A - 12 monitoring wells, Site 10B - 3 monitoring wells, and Southern Area - 21 monitoring wells), from January 12, 2008 to February 7, 2008. All groundwater samples were analyzed for VOCs (Appendix H). In addition, the 12 monitoring wells located at Site 6A were analyzed for SVOCs to determine whether these constituents are present in the groundwater. The sample locations are described above and are presented on Figures 3-1 and 3-2. In addition, on February 7, 2008, groundwater level measurements were collected and recorded for each monitoring well (Appendix I).

Quality Assurance/Quality Control (QA/QC) samples collected include matrix spike/matrix spike duplicates (MS/MSD), field duplicates, rinsate blanks, and trip blanks and are included in the Chain of Custody (COC) forms in Appendix J.

Groundwater samples were collected from the monitoring wells using USEPA Region 3 low-flow (low-stress) purging and sampling techniques. Sampling occurred only after water levels stabilized and three well volumes were purged. Field parameters including turbidity, dissolved oxygen, pH, specific conductance, and temperature were recorded during low-flow purging and sampling activities (Appendix H). All purge water was contained in polyethylene tanks. Four

IDW samples were collected, one from each tank analyzed for VOCs and one composite analyzed for SVOCs, Pesticides, and PCBs.

In addition to groundwater monitoring wells, six samples were collected from four of the five active water supply wells on a private property located south of Grumman Boulevard and west of Connecticut Avenue, (PRSC), from February 19 to 21, 2008 (Figure 3-2). These samples were used to determine the quality of groundwater in those locations. There are five active wells on the property, four of the wells are used for potable water and one well is used as part of a fire suppression system (Figure 3-2). In addition, one of the potable wells has a two-stage liquid phase granular activated carbon unit. The treatment system samples were also collected between the first and second-unit and after the second phase unit. Samples were collected from the Main Lodge (CA-PRSC-01), Activity Center pre-carbon granular activated carbon (GAC) (CA-PRSC-02-01), Activity Center between carbon and GAC (CA-PRSC-02-02), Activity Center after carbon GAC (CA-PRSC-02-03), private home (CA-PRSC-03), and the fire suppression system (CA-PRSC-04) and analyzed for VOCs. The water supply at the Pistol Range trailer was not active and was not sampled.

3.1.3 Surface Water Sampling

Surface water samples were collected along the Peconic River from Connecticut Avenue to a location approximately 2,100 feet down river (Figure 3-2). This portion of the river represents the probable discharge point for VOC-contaminated groundwater in the Southern Area Plume.

Two surface water samples were collected during this investigation. The locations represent readily accessible points located along the river. Because of the cold weather and water temperatures, boat-only accessible locations were not collected in February 2008.

Surface water samples were collected from near the bottom of the stream, using an inverted sample container. To address potential preferential flow of groundwater into the river, the river bottom at each sample location was probed in a north-south direction to distinguish fine grained silts/clays versus sand. The surface water samples were collected at the northern edge of the sandy bottom portion of the stream. Surface water samples are presented on Figure 3-2. Surface water samples were analyzed for VOCs.

3.2 DEVIATIONS FROM THE SAMPLING PLAN

According to the Work Plan, three monitoring wells were to be installed at the PRSC property (TtNUS, 2007c). Monitoring wells were not installed at the PRSC property, near the location of formerly identified contaminated groundwater (Pistol Range) at this time. These wells will be installed after additional evaluation of site data.

According to the Work Plan, four surface water samples were to be collected, due to access restraints from the river only two surface water samples were collected. In addition, sediment samples SA-PZ-124 and SA-PZ-125 were not sampled because of access restraints due to high water levels.

Monitoring wells SA-CAL-3 and SA-CAL-4 could not be located by Tetra Tech NUS, Inc. (TtNUS) personnel or Suffolk County Health department personnel and were therefore not sampled.

3.3 FIELD OBSERVATIONS

As referenced above, log sheets were completed for all well installation and development and groundwater and soil sampling activities and are presented in Appendices A through I. The following summarizes field observations made during the field investigation.

- In general the lithology observed during monitoring well installation represents the upper lithofacies of the Upper Glacial Formation representing a mixture of soil, fill, and glacial deposits and consist predominantly of silty, fine-grained sand. Also observed during monitoring well installation was the middle lithofacies which consist of predominantly fine-grained sand with varying amounts of medium- to coarse-grained sand and pebbles, and are probably representative of undisturbed glacial deposits. In addition the lower lithofacies was observed in several monitoring wells (SA-MW-126I, SA-MW-126D, SA-MW-127D, SA-MW-128D, and SA-MW-129D) which consist of micaceous, silty clay and may represent the Magothy Formation.

- The gamma logs for monitoring wells SA-MW-126D, SA-MW-127D, SA-MW-128D, and SA-MW-129D located along the north side of River Road exhibited a possible clay lens. Monitoring wells SA-MW-126D, SA-MW-127D, and SA-MW-128D exhibited coarse materials from 0 to 40 feet bgs then finer materials from 40 to 80 feet bgs. MW-SA-129 exhibited coarse materials throughout the gamma log except for a finer grained material from 55 to 65 feet bgs.

- No photoionization detector (PID) readings above background levels, or soil stains/discoloration were observed during soil boring, monitoring well installation or groundwater sampling activities.

- A sulfur odor was observed at SA-MW126S.

TABLE 3-1
MONITORING WELL CONSTRUCTION
SITE 10B - ENGINE TEST HOUSE
NWIRP CALVERTON, NEW YORK
PAGE 1 OF 1

Monitoring Well ID	Total Depth (feet bgs)	Screened Interval Depth (feet bgs)	Construction Material	Type Screen	Completion Date
ET-MW01S	17	7 to 17	2 inch PVC	0.02 inch slotted screen	1/3/2008
ET-MW02S	17	7 to 17	2 inch PVC	0.02 inch slotted screen	1/3/2008
ET-MW03S	17	7 to 17	2 inch PVC	0.02 inch slotted screen	1/4/2008

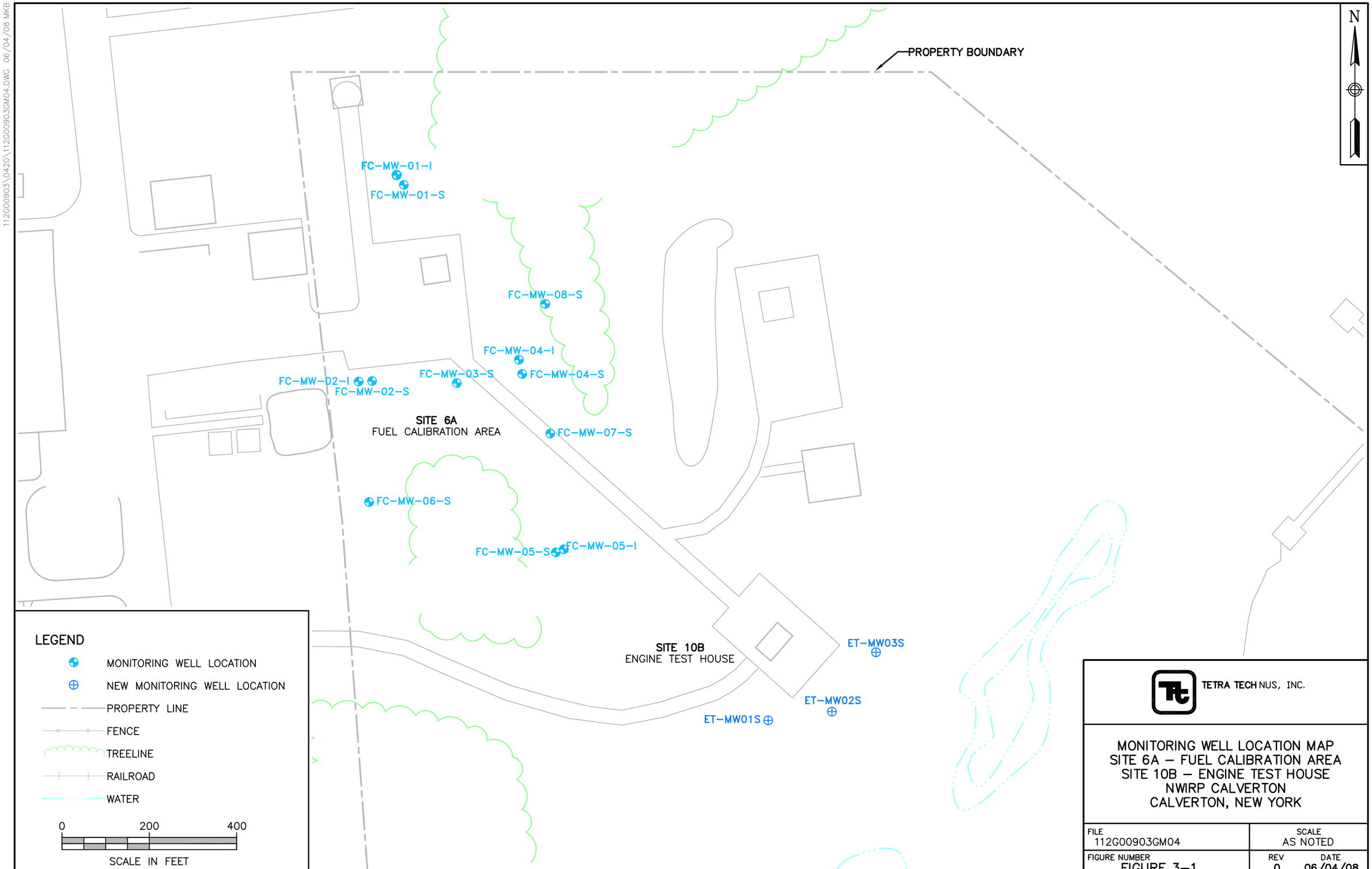
ET: Engine Test House.
MW: Monitoring Well.
bgs: below ground surface
PVC: polyvinyl chloride

TABLE 3-2
MONITORING WELL CONSTRUCTION
SOUTHERN AREA
NWIRP CALVERTON, NEW YORK
PAGE 1 OF 1

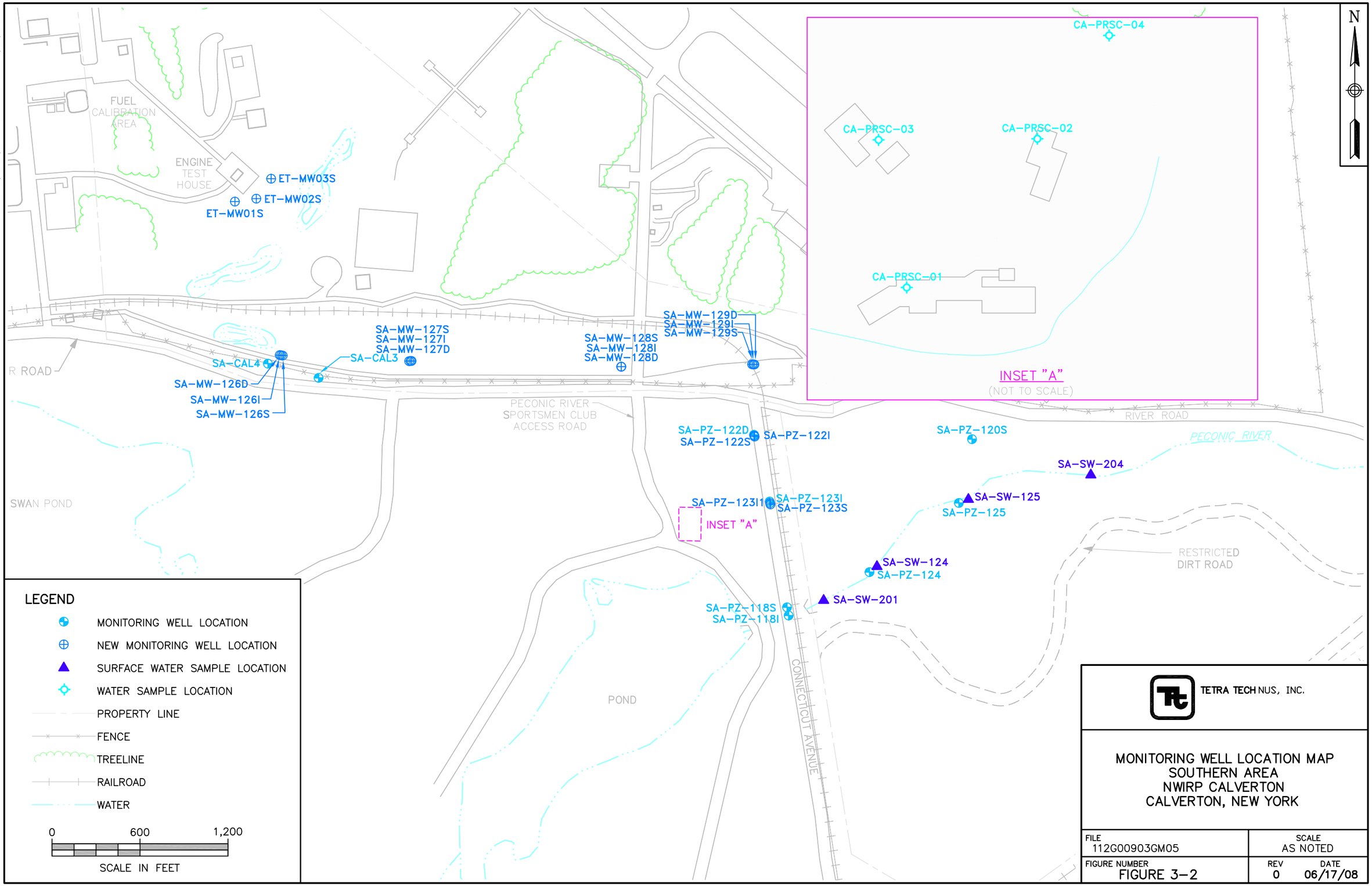
Monitoring Well ID	Total Depth (feet bgs)	Screened Interval Depth (feet bgs)	Construction Material	Type Screen	Completion Date
SA-PZ-122S	22	12 to 22	2 inch PVC	0.02 inch slotted screen	12/20/2007
SA-PZ-122I	49	39 to 49	2 inch PVC	0.02 inch slotted screen	12/20/2007
SA-PZ-123S	17	7 to 17	2 inch PVC	0.02 inch slotted screen	1/2/2008
SA-PZ-123I1	42	32 to 42	2 inch PVC	0.02 inch slotted screen	1/2/2008
SA-MW-126S	15	5 to 15	2 inch PVC	0.02 inch slotted screen	12/6/2007
SA-MW-126I	52	40 to 50	2 inch PVC	0.02 inch slotted screen	12/5/2007
SA-MW-126D	85	74 to 84	2 inch PVC	0.02 inch slotted screen	12/3/2007
SA-MW-127S	15	5 to 15	2 inch PVC	0.02 inch slotted screen	12/11/2007
SA-MW-127I	47	36 to 46	2 inch PVC	0.02 inch slotted screen	12/11/2007
SA-MW-127D	83	68 to 78	2 inch PVC	0.02 inch slotted screen	12/7/2007
SA-MW-128S	17	7 to 17	2 inch PVC	0.02 inch slotted screen	12/14/2007
SA-MW-128I	40	30 to 40	2 inch PVC	0.02 inch slotted screen	12/13/2007
SA-MW-128D	80	58 to 68	2 inch PVC	0.02 inch slotted screen	12/12/2007
SA-MW-129S	30	19.5 to 29.5	2 inch PVC	0.02 inch slotted screen	12/19/2007
SA-MW-129I	60	50 to 60	2 inch PVC	0.02 inch slotted screen	12/19/2007
SA-MW-129D	92	80 to 90	2 inch PVC	0.02 inch slotted screen	12/17/2007

SA: Southern Area
PZ: Piezometer
MW: Monitoring Well.
bgs: below ground surface
PVC: polyvinyl chloride

112G00903\0420\112G00903GM04.DWG 06/04/08 MKB



112G00903\0420\112G00903GM05.DWG 06/17/08 MKB



TETRA TECH NUS, INC.

MONITORING WELL LOCATION MAP
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK

FILE	SCALE
112G00903GM05	AS NOTED
FIGURE NUMBER	REV / DATE
FIGURE 3-2	0 / 06/17/08

4.0 ANALYTICAL RESULTS AND FINDINGS

4.1 GROUNDWATER

This section presents the results of the chemical analyses performed for the groundwater and surface water samples collected in January and February 2008. Samples collected during this investigation were shipped to and analyzed by Katahdin Analytical Services, Inc. of Scarborough, Maine. Chain of Custodies that document samples collected for this investigation can be found in Appendix J. All samples were analyzed for VOCs. Samples at Site 6A were also analyzed for SVOCs. Form I analytical reports are attached in Appendix K.

Analytical results were screened against New York State Department of Health (NYSDOH) maximum contaminant levels (MCLs). For wells to the south Sites 6A and 10 B (Southern Area) Oakridge National Laboratory Surface Water Values are presented for comparison. Tables 4-1, 4-2, 4-3, and 4-4 present summaries of positive detections of VOCs in groundwater samples collected from Sites 6A, 10B, and the Southern Area during the January and February 2008 sampling event. Concentrations that exceeded NYSDOH MCLs in Tables 4-1, 4-2, 4-3, and 4-4 are bolded for identification purposes. Figures 4-1 and 4-2 present a summary of historical and current detections above NYSDOH MCLs. Figure 4-3 presents total chlorinated VOC isoconcentration contours for the Southern Area. Figures 4-4 and 4-5 present total chlorinated VOC isoconcentration contours of the geologic cross sections A-A' and B-B', respectively.

Site 6A-Fuel Calibration Area

A total of 12 groundwater samples were collected at Site 6A and analyzed for VOCs and SVOCs. SVOCs were not detected in any of the wells. Fourteen VOCs were detected in six of the twelve monitoring wells sampled. Of the six monitoring wells that contained detectable concentrations of VOCs, only two wells (FC-MW02S and FC-MW06S) contained VOCs at concentrations that exceeded NYSDOH MCLs (Figure 4-1 and Table 4-1). 1,1-Dichloroethane (a primary Southern Area VOC) was detected in three wells (FC-MW02I, FC-MW02S, and FC-MW05I). Acetone, chloroethane, ethylbenzene, toluene, and xylenes were also detected in FC-MW02S and it's duplicate but not at concentrations greater than MCLs. Tetrachloroethene was the only constituent detected in FC-MW06S at 12 µg/L, exceeding NYSDOH MCLs

Site 10B-Engine Test House

Three groundwater samples were collected at Site 10B and analyzed for VOCs. 1,1,1-Trichloroethane at 3 µg/L was the only VOC detected (Figure 4-1 and Table 4-2).

Southern Area

A total of 21 groundwater and 2 surface water samples were collected at the Southern Area. These samples were analyzed for VOCs. A total of 14 VOCs were detected in 13 of the 21 monitoring wells sampled. Of the thirteen monitoring wells that contained detectable concentrations of VOCs, five wells contained VOCs at concentrations that exceeded NYSDOH MCLs (Figure 4-2 and Table 4-3). Detections of 1,1,1-trichloroethane were found in wells SA-PZ-123I, SA-MW126S, SA-MW127I, and SA-MW128I. Of these detections, concentrations of 1,1,1-trichloroethane in SA-MW127I and SA-MW128I, located between the railroad and the fence line, exceeded NYSDOH MCLs at 94 µg/L and 48 µg/L, respectively. 1,1-Dichloroethane was detected in eleven wells (SA-MW126S, SA-MW127I, SA-MW127D, SA-MW128I, SA-MW128D, SA-MW129I, SA-MW129D, SA-PZ-118S, SA-PZ-122I, SA-PZ-123I, and SA-PZ123I1). Of these detections, concentrations of 1,1-dichloroethane exceeded NYSDOH MCLs in wells SA-MW127I, SA-MW128I, SA-MW128D, SA-PZ-123I, and SA-PZ123I1 at 410 µg/L, 160 µg/L, 5 µg/L, 55 µg/L, and 23 µg/L, respectively. 1,1-Dichloroethene was detected in six wells (SA-MW127I, SA-MW128I, SA-MW129D, SA-PZ-118S, SA-PZ-123I, and SA-PZ123I1). Of these detections, concentrations of 1,1-dichloroethene exceeded NYSDOH MCLs in SA-MW127I, SA-MW128I, and SA-PZ-123I at 30 µg/L, 18 µg/L, and 7 µg/L, respectively. Chloroethane was detected in four wells (SA-MW127I, SA-MW128I, SA-MW-129D, and SA-PZ-123I), with concentrations exceeding NYSDOH MCLs in SA-MW127I and SA-MW128I at 51 µg/L and 6 µg/L, respectively. VOCs were not detected in either of the two surface water samples.

Peconic River Sportsman Club

Six water samples were collected from four of the five active water supply wells at the PRSC (CA-PRSC-01, CA-PRSC-02-01, CA-PRSC-02-02, CA-PRSC-02-03 CA-PRSC-03, and CA-PRSC-04) (Figure 4-2 and Table 4-4). Eight VOCs were detected in three of the six samples. Of the three samples that contained detectable concentrations of VOCs, one sample (CA-PRSC-02) contained VOCs that exceeded NYSDOH MCLs (Figure 4-2 and Table 4-4). This sample was collected prior to the liquid phase granular activated carbon system. Post treatment samples did not contain VOCs at concentrations greater than NYSDOH MCLs. 1,1-Dichloroethane, 1,2-dichloroethane, 1,2-dichloroethylene, cis-1,2-dichloroethene, and trichloroethene were found in

CA-PRSC-02-01 (pre-carbon) and it's duplicate. In addition isopropylbenzene was detected in CA-PRSC-02-02, between the carbon and GAC, and chloromethane and methyl tert-butyl ether was detected in CA-PRSC-02-03, the private residence.

4.2 EVALUATION OF ISOCONCENTRATION CONTOUR CROSS SECTIONS

Total chlorinated VOCs were detected throughout the Southern Area. The associated isoconcentration contours are shown on Figure 4-3. The total chlorinated VOC isoconcentration contours for the geologic cross sections A-A' and B-B' are shown on Figures 4-4 and 4-5, respectively.

The total chlorinated VOCs isoconcentration contours show that the greatest VOC concentration is centered on SA-MW-127 extending to the southeast across the PRSC toward the Peconic River (Figure 4-3).

As discussed in Section 2.2.2 there is a sand/silt/clay layer ranging in thickness from 30 feet in the eastern area to 10 feet in the western area at a depth of approximately 40 to 50 feet bgs. Total chlorinated VOCs in cross section A-A' are mostly above the sand/silt/clay layer that extends along River Road (Figure 4-4). The highest concentration is found between 20 to 36 feet bgs and extends over halfway to SA-MW-128. Based on the detection of VOCs in SA-MW-128D, the sand/silt/clay unit is not likely to be continuous throughout this area. Total chlorinated VOCs were not detected below 45 ft bgs in SA-MW-127 and are confined between 17 and 45 bgs.

Based on detections shown on cross section B-B' the chlorinated VOC plume remains above the sand/silt/clay under SA-MW-127 (Figure 4-5). Once this unit ends between SA-MW-127 and SA-PZ-123 there is a downward component to the flow of contaminated groundwater. VOCs are centered around wells SA-MW-127 and encompass wells SA-MW-128, SA-PZ-122 and SA-PZ-123.

TABLE 4-1
GROUNDWATER ANALYTICAL RESULTS
SITE 6A-FUEL CALIBRATION AREA
NWIRP CALVERTON, NEW YORK

Chemical	CAS No.	Federal MCLs [1]	NYSDOH MCLs [2]	FC-MW01I	FC-MW01S	FC-MW02I	FC-MW02S	FC-MW02S (DUP)	FC-MW03S	FC-MW04I	FC-MW04S	FC-MW05I	FC-MW05S	FC-MW06S	FC-MW07S	FC-MW08S
Volatile Organic Compounds																
1,1,1-Trichloroethane	71-55-6	200	5				2 J	2 J								
1,1-Dichloroethane	75-34-3		5			0.7 J	**6**	**6**				0.8 J				
1,1-Dichloroethene	75-35-4	7	5				0.7 J									
Acetone	67-64-1		50				16	13								
Chloroethane	75-00-3		5				4 J	4 J								
Chloromethane	74-87-3		5									0.8 J			0.6 J	
Ethylbenzene	100-41-4	700	5				0.4 J	0.5 J								
Freon-113	76-13-1		50			1 J				0.4 J		1 J				
Methylcyclohexane	108-87-2		50				1 J	1 J								
Tetrachloroethene	127-18-4	5	5											**12**		
Toluene	108-88-3	1000	5				3 J	3 J								
m+p-xylenes	1330-20-7		5				4 J	**5 J**								
o-Xylene	95-47-6		5				**5**	**5**								
Xylenes (total)	1330-20-7	10,000	5				**9 J**	**10 J**								
Semivolatile Organic Compounds																

Units are in µg/L (micrograms per liter)

J - Estimated Values

CAS-Chemical Abstracts Service

MCL- Maximum contaminat level

NYSDOH-New York State Department of Health

Blank cells - No Criteria or not detected

Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary

2- (NYSDOH, 2004) New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Chemicals Maximum Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH website at http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

TABLE 4-2
GROUNDWATER ANALYTICAL RESULTS
SITE 10B-ENGINE TEST HOUSE
NWIRP CALVERTON, NEW YORK
PAGE 1 OF 1

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	ET-MW01S	ET-MW02S	ET-MW03S	ET-MW03S (DUP)
Volatile Organic Compounds							
1,1,1-Trichloroethane	71-55-6	200	5		3 J		

Units are in µg/L (micrograms per liter)
J - Estimated Values
CAS-Chemical Abstracts Service
MCL- Maximum contaminat level
NYSDOH-New York State Department of Health
Blank cells - No Criteria or not detected
Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary
2- (NYSDOH, 2004) New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Chemicals Maximum Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH w

TABLE 4-3
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
NWIRP CALVERTON, NEW YORK

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	NYSDEC SWQS (3)	ONL SWV (4)	SA-MW-126S	SA-MW126I	SA-MW126D	SA-MW-127S	SA-MW-127S (DUP)	SA-MW-127I	SA-MW-127D	SA-MW-128S	SA-MW-128I	SA-MW-128D
Volatile Organic Compounds															
1,1,1-Trichloroethane	71-55-6	200	5		11	0.4 J					**94**			**48**	
1,1-Dichloroethane	75-34-3		5		47	1					**410**	0.6 J		**160**	**5**
1,1-Dichloroethene	75-35-4	7	5		25						**30**			**18**	
1,2-Dichlorobenzene	95-50-1		5		14						0.7 J				
1,2-Dichloroethane	107-06-2	5	5		910						0.6 J				
1,2,4-Trichlorobenzene	120-82-1	70	5		110						2 J			1	
1,3-Dichlorobenzene	541-73-1		5		71						0.7 J				
1,4-Dichlorobenzene	106-46-7		5		15						3 J			0.9 J	
Benzene	71-43-2	5	5	10	130						0.9 J				
Carbon disulfide	75-15-0		50		0.92			2 J							
Chlorobenzene	108-90-7	100	5	400	64						0.5 J				
Chloroethane	75-00-3		5								**51**			**6**	
Chloroform	67-66-3	80	5		28										0.4 J
Toluene	108-88-3	1000	5	6000	9.8	0.5 J			2 J	2					

Units are in µg/L (micrograms per liter)

MCL- Maximum contaminat level

NYSDOH-New York State Department of Health

NYSDEC- New York State Department of Environmental Conservation
SWQS-Surface Water Quality Standards
ONL SWV-Oakridge National Laboratory Surface Water Values
J - Estmated Value
CAS-Chemical Abstracts Service
MCL- Maximum contaminat level
Blank cells - No criteria or not detected
Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary

2- (NYSDOH, 2004) New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Chemicals Maximum Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH website at http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

3- Peconic River is Class C Surface Water 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwater Effluent Limitations, Section 703.5, Table 1,Water Quality Standards and Surface Waters and Groundwater.

4-Oak Ridge National Laboratory (surface water) - Table 1 (secondary chronic values), Toxilogical Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision (Suter and Tsao, 1996).

TABLE 4-3
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
NWIRP CALVERTON, NEW YORK
PAGE 2 of 3

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	NYSDEC SWQS (3)	ONL SWV (4)	SA-MW-129S	SA-MW-129I	SA-MW-129D	SA-PZ-118S	SA-PZ-118I	SA-PZ-120S	SA-PZ-122S	SA-PZ-122I	SA-PZ-122D	SA-PZ123S
Volatile Organic Compounds															
1,1,1-Trichloroethane	71-55-6	200	5		11										
1,1-Dichloroethane	75-34-3		5		47		2 J	0.9 J	4 J				1 J		
1,1-Dichloroethene	75-35-4	7	5		25			0.5 J	1 J						
1,2-Dichlorobenzene	95-50-1		5		14										
1,2-Dichloroethane	107-06-2	5	5		910										
1,2,4-Trichlorobenzene	120-82-1	70	5		110										
1,3-Dichlorobenzene	541-73-1		5		71										
1,4-Dichlorobenzene	106-46-7		5		15										
Benzene	71-43-2	5	5	10	130										
Carbon disulfide	75-15-0		50		0.92										
Chlorobenzene	108-90-7	100	5	400	64										
Chloroethane	75-00-3		5					0.8 J							
Chloroform	67-66-3	80	5		28										
Toluene	108-88-3	1000	5	6000	9.8										

Units are in µg/L (micrograms per liter)

MCL- Maximum contaminat level

NYSDOH-New York State Department of Health

NYSDEC- New York State Department of Environmental Conservation
SWQS-Surface Water Quality Standards
ONL SWV-Oakridge National Laboratory Surface Water Values
J - Estmated Value
CAS-Chemical Abstracts Service
MCL- Maximum contaminat level
Blank cells - No criteria or not detected
Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary

2- (NYSDOH, 2004) New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH websit http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

3- Peconic River is Class C Surface Water 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwa 703.5, Table 1,Water Quality Standards and Surface Waters and Groundwater.

4-Oak Ridge National Laboratory (surface water) - Table 1 (secondary chronic values), Toxilogical Benchmarks for Screening Pot for Effects on Aquatic Biota: 1996 Revision (Suter and Tsao, 1996).

TABLE 4-3
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
NWIRP CALVERTON, NEW YORK

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	NYSDEC SWQS (3)	ONL SWV (4)	SA-PZ-123I	SA-PZ-123I1	SA-SW-201	SA-SW-204
Volatile Organic Compounds									
1,1,1-Trichloroethane	71-55-6	200	5		11	1 J			
1,1-Dichloroethane	75-34-3		5		47	**55**	**23**		
1,1-Dichloroethene	75-35-4	7	5		25	**7**	3 J		
1,2-Dichlorobenzene	95-50-1		5		14				
1,2-Dichloroethane	107-06-2	5	5		910				
1,2,4-Trichlorobenzene	120-82-1	70	5		110	0.7 J	1 J		
1,3-Dichlorobenzene	541-73-1		5		71				
1,4-Dichlorobenzene	106-46-7		5		15	0.6 J			
Benzene	71-43-2	5	5	10	130				
Carbon disulfide	75-15-0		50		0.92				
Chlorobenzene	108-90-7	100	5	400	64				
Chloroethane	75-00-3		5			0.7 J			
Chloroform	67-66-3	80	5		28				
Toluene	108-88-3	1000	5	6000	9.8				

Units are in µg/L (micrograms per liter)
MCL- Maximum contaminat level
NYSDOH-New York State Department of Health
NYSDEC- New York State Department of Environmental Conservation
SWQS-Surface Water Quality Standards
ONL SWV-Oakridge National Laboratory Surface Water Values
J - Estmated Value
CAS-Chemical Abstracts Service
MCL- Maximum contaminat level
Blank cells - No criteria or not detected
Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary

2- (NYSDOH, 2004) New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH websit http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

3- Peconic River is Class C Surface Water 6 NYCRR Part 703 Surface Water and Groundwater Quality Standards and Groundwa 703.5, Table 1,Water Quality Standards and Surface Waters and Groundwater.

4-Oak Ridge National Laboratory (surface water) - Table 1 (secondary chronic values), Toxilogical Benchmarks for Screening Pot for Effects on Aquatic Biota: 1996 Revision (Suter and Tsao, 1996).

TABLE 4-4
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
(PECONIC RIVER SPORTSMANS CLUB)
NWIRP CALVERTON, NEW YORK
PAGE 1 of 1

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	CA-PRSC-01	CA-PRSC-02-01	CA-PRSC-02-01 (DUP)	CA-PRSC-02-02	CA-PRSC-02-03	CA-PRSC-03	CA-PRSC-04
Volatile Organic Compounds										
1,1-Dichloroethane	75-34-3		5		**12**	**12**				
1,1-Dichloroethene	75-35-4	7	5			5 J				
1,2-Dichloroethane	107-06-2	5	5		0.5 J	0.6 J				
1,2-Dichloroethylene (total)	540-59-0		5		2 J	1 J				
Chloromethane	74-87-3		5					0.8 J		
cis-1,2-Dichloroethene	156-59-2		5		2 J	1 J				
Isopropylbenzene	98-82-8		5				2 J			
Methyl tert-butyl ether	1634-04-4		50					0.7 J		
Trichloroethene	79-01-6	5	5		0.8 J	0.8 J				

Units are in µg/L (micrograms per liter)

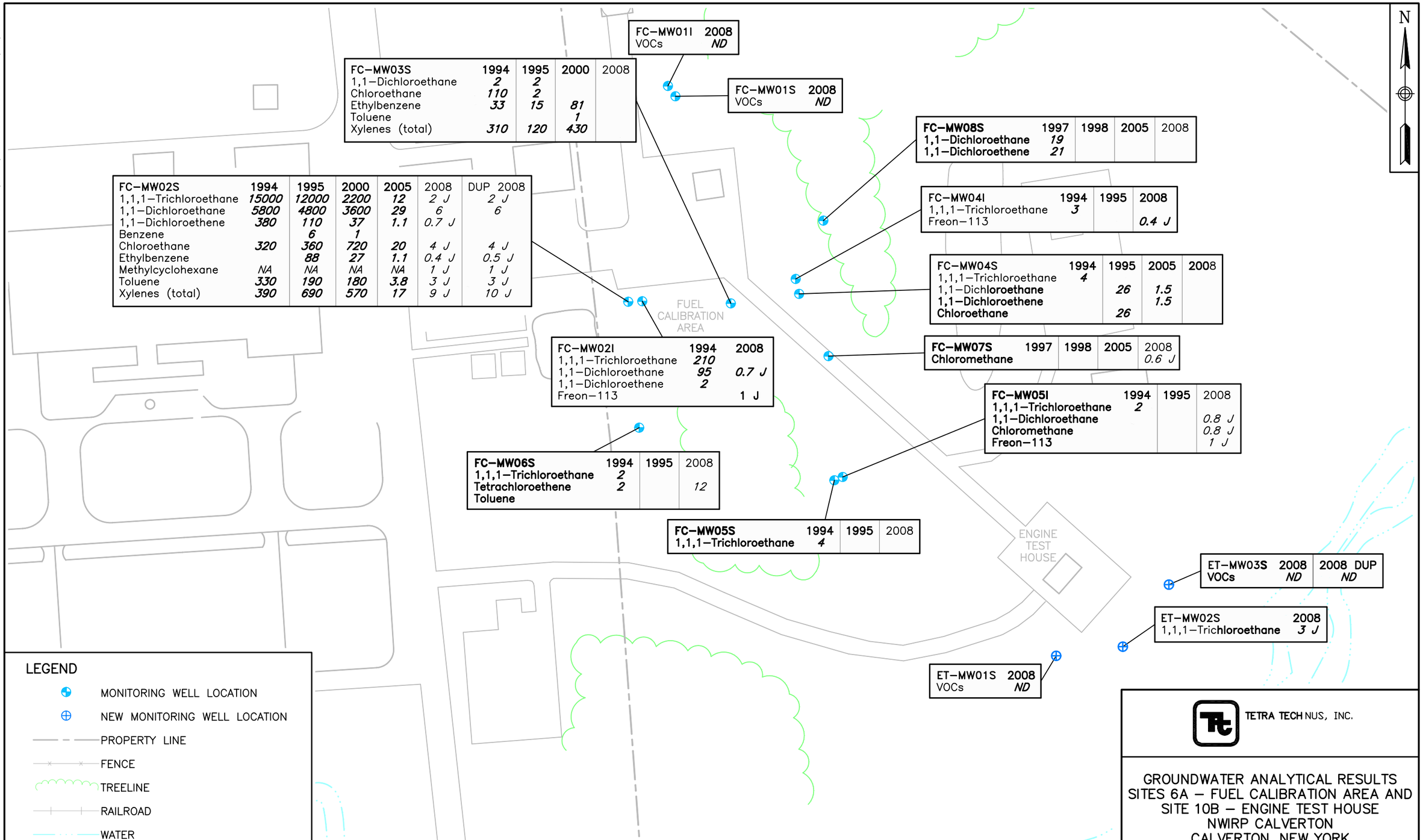
CAS-Chemical Abstracts Service

MCL- Maximum contaminat level GW- Groundwater
NYSDOH-New york state Department of Health

Blank cells - No criteria or not detected
Bolded values are detections above criteria

1- (USEPA, 2007) Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary
Table 3-Organic Chemicals Maximum Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH website at http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

112G00903\0420\112G00903GM02.DWG 06/04/08 MKB

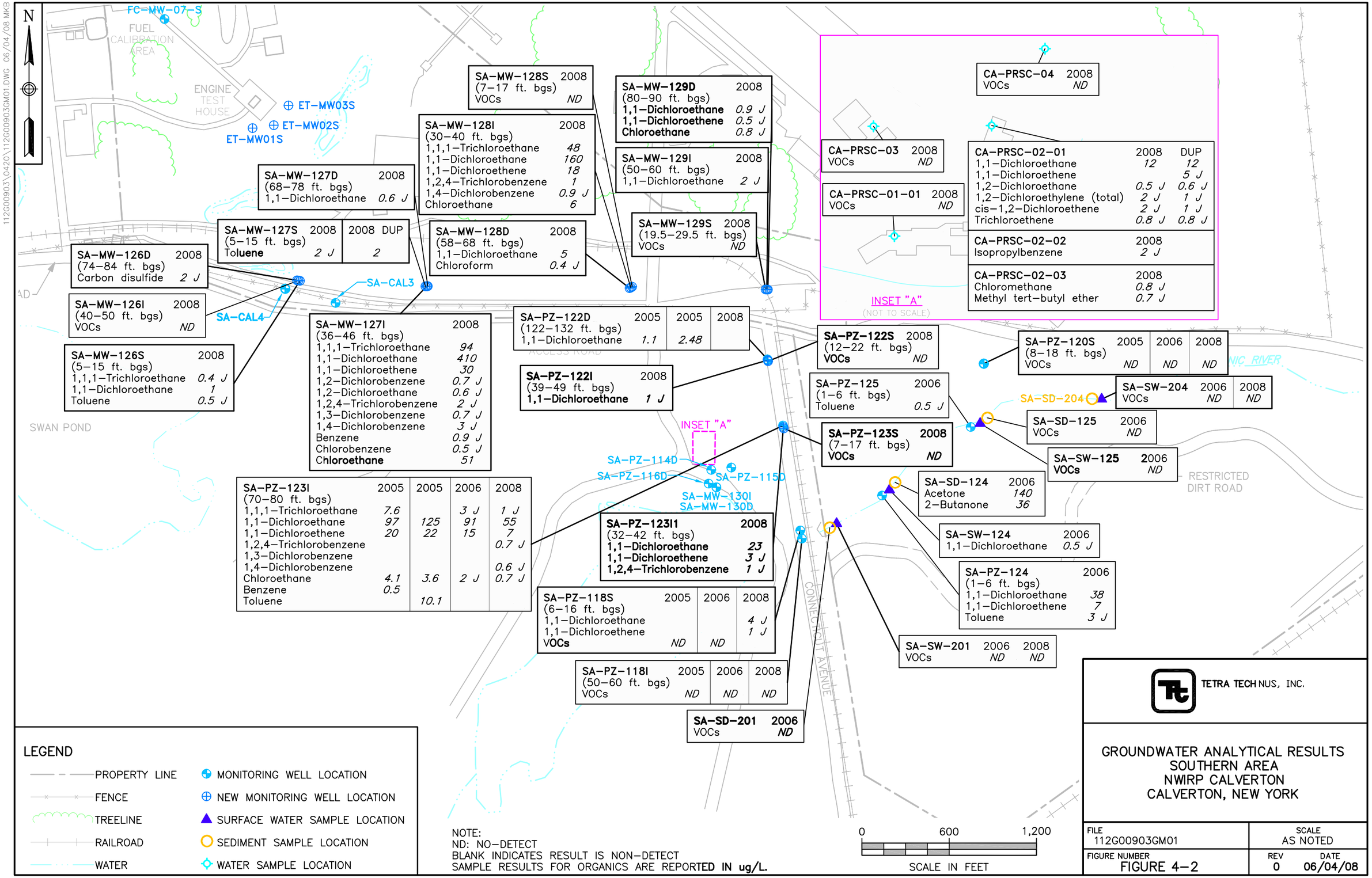


NOTE:
ND: NON-DETECT
NA: NOT ANALYZED
1. BLANK INDICATES RESULT IS NON-DETECT
2. SAMPLE RESULTS FOR ORGANICS ARE REPORTED IN ug/L.

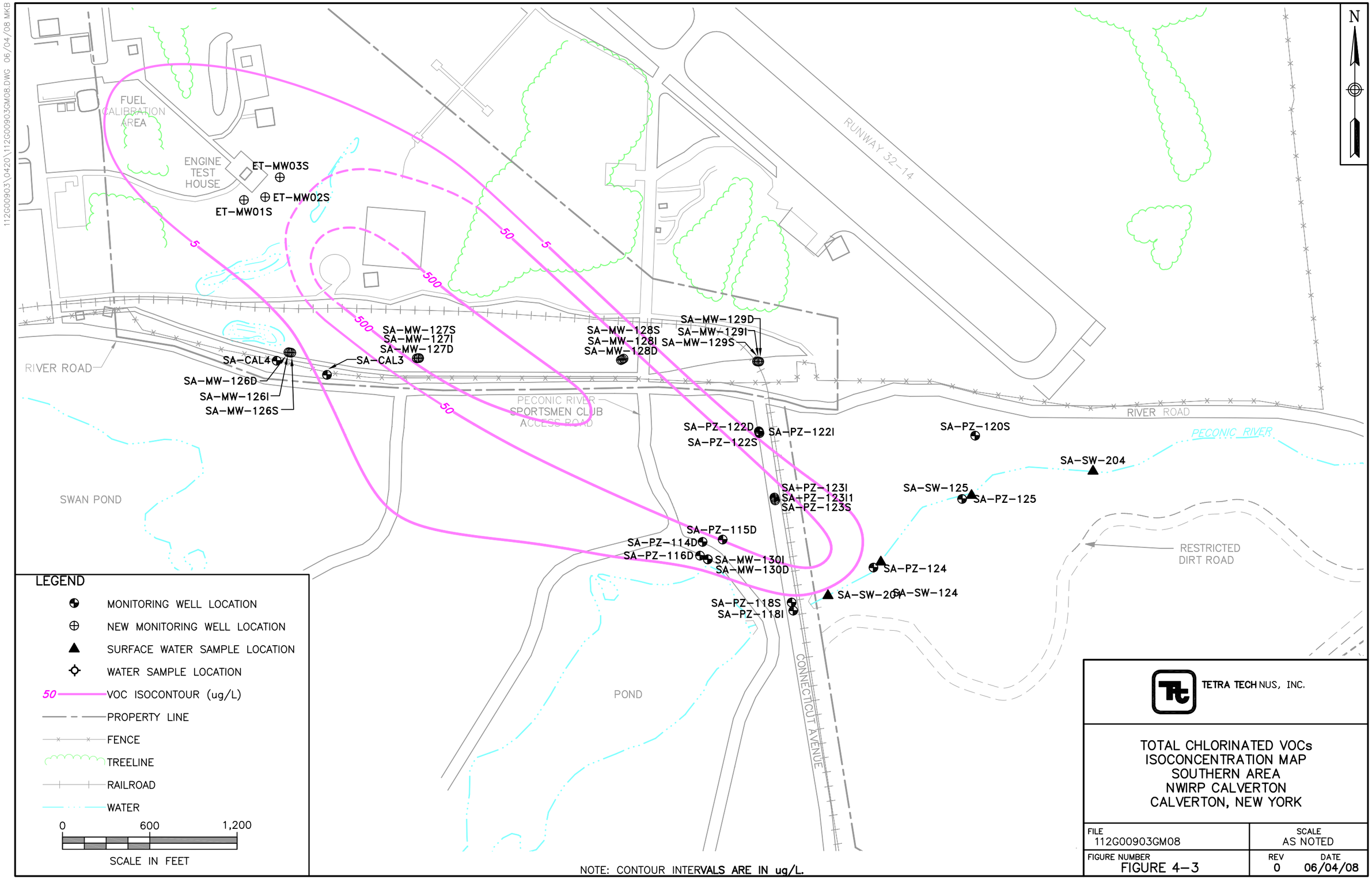
TETRA TECH NUS, INC.

GROUNDWATER ANALYTICAL RESULTS
SITES 6A – FUEL CALIBRATION AREA AND
SITE 10B – ENGINE TEST HOUSE
NWIRP CALVERTON
CALVERTON, NEW YORK

FILE	SCALE
112G00903GM02	AS NOTED
FIGURE NUMBER	REV / DATE
FIGURE 4-1	0 / 06/04/08


N
FC-MW-07-S
FUEL CALIBRATION AREA
ENGINE TEST HOUSE
ET-MW03S
ET-MW02S
ET-MW01S
SA-MW-128S 2008
(7-17 ft. bgs)
VOCs ND
SA-MW-129D 2008
(80-90 ft. bgs)
1,1-Dichloroethane 0.9 J
1,1-Dichloroethene 0.5 J
Chloroethane 0.8 J
SA-MW-128I 2008
(30-40 ft. bgs)
1,1,1-Trichloroethane 48
1,1-Dichloroethane 160
1,1-Dichloroethene 18
1,2,4-Trichlorobenzene 1
1,4-Dichlorobenzene 0.9 J
Chloroethane 6
SA-MW-129I 2008
(50-60 ft. bgs)
1,1-Dichloroethane 2 J
SA-MW-127D 2008
(68-78 ft. bgs)
1,1-Dichloroethane 0.6 J
SA-MW-127S 2008 | 2008 DUP
(5-15 ft. bgs)
Toluene 2 J | 2
SA-MW-128D 2008
(58-68 ft. bgs)
1,1-Dichloroethane 5
Chloroform 0.4 J
SA-MW-129S 2008
(19.5-29.5 ft. bgs)
VOCs ND
SA-MW-126D 2008
(74-84 ft. bgs)
Carbon disulfide 2 J
SA-CAL3
SA-MW-126I 2008
(40-50 ft. bgs)
VOCs ND
SA-CAL4
SA-MW-126S 2008
(5-15 ft. bgs)
1,1,1-Trichloroethane 0.4 J
1,1-Dichloroethane 1
Toluene 0.5 J
SA-MW-127I 2008
(36-46 ft. bgs)
1,1,1-Trichloroethane 94
1,1-Dichloroethane 410
1,1-Dichloroethene 30
1,2-Dichlorobenzene 0.7 J
1,2-Dichloroethane 0.6 J
1,2,4-Trichlorobenzene 2 J
1,3-Dichlorobenzene 0.7 J
1,4-Dichlorobenzene 3 J
Benzene 0.9 J
Chlorobenzene 0.5 J
Chloroethane 51
SA-PZ-122D 2005 | 2005 | 2008
(122-132 ft. bgs)
1,1-Dichloroethane 1.1 | 2.48
SA-PZ-122I 2008
(39-49 ft. bgs)
1,1-Dichloroethane 1 J
SA-PZ-123I 2005 | 2005 | 2006 | 2008
(70-80 ft. bgs)
1,1,1-Trichloroethane 7.6 | 3 J | 1 J
1,1-Dichloroethane 97 | 125 | 91 | 55
1,1-Dichloroethene 20 | 22 | 15 | 7
1,2,4-Trichlorobenzene | 0.7 J
1,3-Dichlorobenzene
1,4-Dichlorobenzene | 0.6 J
Chloroethane 4.1 | 3.6 | 2 J | 0.7 J
Benzene 0.5
Toluene 10.1
SA-PZ-114D
SA-PZ-116D
SA-PZ-115D
SA-MW-130I
SA-MW-130D
SA-PZ-123I1 2008
(32-42 ft. bgs)
1,1-Dichloroethane 23
1,1-Dichloroethene 3 J
1,2,4-Trichlorobenzene 1 J
SA-PZ-118S 2005 | 2006 | 2008
(6-16 ft. bgs)
1,1-Dichloroethane | 4 J
1,1-Dichloroethene | 1 J
VOCs ND | ND
SA-PZ-118I 2005 | 2006 | 2008
(50-60 ft. bgs)
VOCs ND | ND | ND
SA-SD-201 2006
VOCs ND
INSET "A"
CA-PRSC-04 2008
VOCs ND
CA-PRSC-03 2008
VOCs ND
CA-PRSC-01-01 2008
VOCs ND
CA-PRSC-02-01 2008 | DUP
1,1-Dichloroethane 12 | 12
1,1-Dichloroethene | 5 J
1,2-Dichloroethane 0.5 J | 0.6 J
1,2-Dichloroethylene (total) 2 J | 1 J
cis-1,2-Dichloroethene 2 J | 1 J
Trichloroethene 0.8 J | 0.8 J
CA-PRSC-02-02 2008
Isopropylbenzene 2 J
CA-PRSC-02-03 2008
Chloromethane 0.8 J
Methyl tert-butyl ether 0.7 J
INSET "A"
(NOT TO SCALE)
SA-PZ-122S 2008
(12-22 ft. bgs)
VOCs ND
SA-PZ-120S 2005 | 2006 | 2008
(8-18 ft. bgs)
VOCs ND | ND | ND
SA-PZ-125 2006
(1-6 ft. bgs)
Toluene 0.5 J
SA-SD-204
SA-SW-204 2006 | 2008
VOCs ND | ND
SA-SD-125 2006
VOCs ND
SA-PZ-123S 2008
(7-17 ft. bgs)
VOCs ND
SA-SW-125 2006
VOCs ND
SA-SD-124 2006
Acetone 140
2-Butanone 36
SA-SW-124 2006
1,1-Dichloroethane 0.5 J
SA-PZ-124 2006
(1-6 ft. bgs)
1,1-Dichloroethane 38
1,1-Dichloroethene 7
Toluene 3 J
SA-SW-201 2006 | 2008
VOCs ND | ND
SWAN POND
ACCESS ROAD
CONNECTICUT AVENUE
RESTRICTED DIRT ROAD
0 600 1,200
SCALE IN FEET
LEGEND
PROPERTY LINE
FENCE
TREELINE
RAILROAD
WATER
MONITORING WELL LOCATION
NEW MONITORING WELL LOCATION
SURFACE WATER SAMPLE LOCATION
SEDIMENT SAMPLE LOCATION
WATER SAMPLE LOCATION
NOTE:
ND: NO-DETECT
BLANK INDICATES RESULT IS NON-DETECT
SAMPLE RESULTS FOR ORGANICS ARE REPORTED IN ug/L.
TETRA TECH NUS, INC.
GROUNDWATER ANALYTICAL RESULTS
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK
FILE 112G00903GM01
SCALE AS NOTED
FIGURE NUMBER FIGURE 4-2
REV 0
DATE 06/04/08
112G00903\0420\112G00903GM01.DWG 06/04/08 MKB

112G00903\0420\112G00903GM08.DWG 06/04/08 MKB



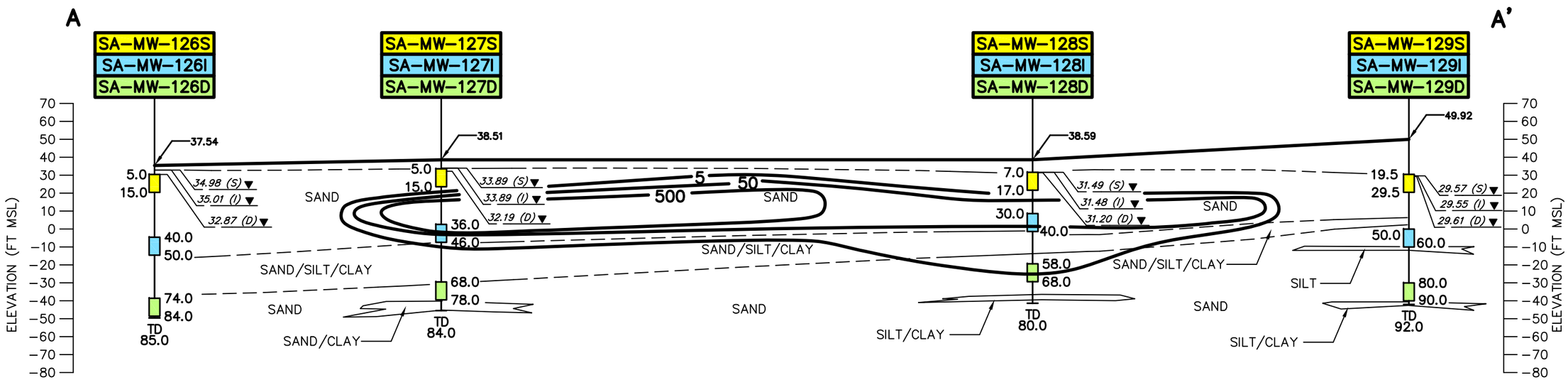
NOTE: CONTOUR INTERVALS ARE IN ug/L.

TETRA TECH NUS, INC.

TOTAL CHLORINATED VOCs
ISOCONCENTRATION MAP
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK

FILE	SCALE
112G00903GM08	AS NOTED
FIGURE NUMBER	REV / DATE
FIGURE 4-3	0 / 06/04/08

ACAD: 0903CX04.dwg 05/21/08 CK PIT



NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

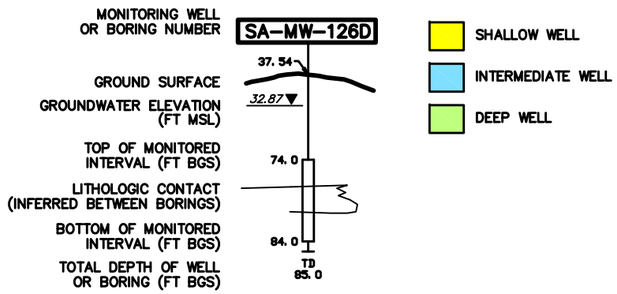
3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

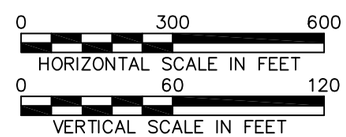
4.) WATER LEVEL DATA 2-7-08.

5.) CONTOUR INTERVALS ARE IN ~mg/L.

6.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

LEGEND:

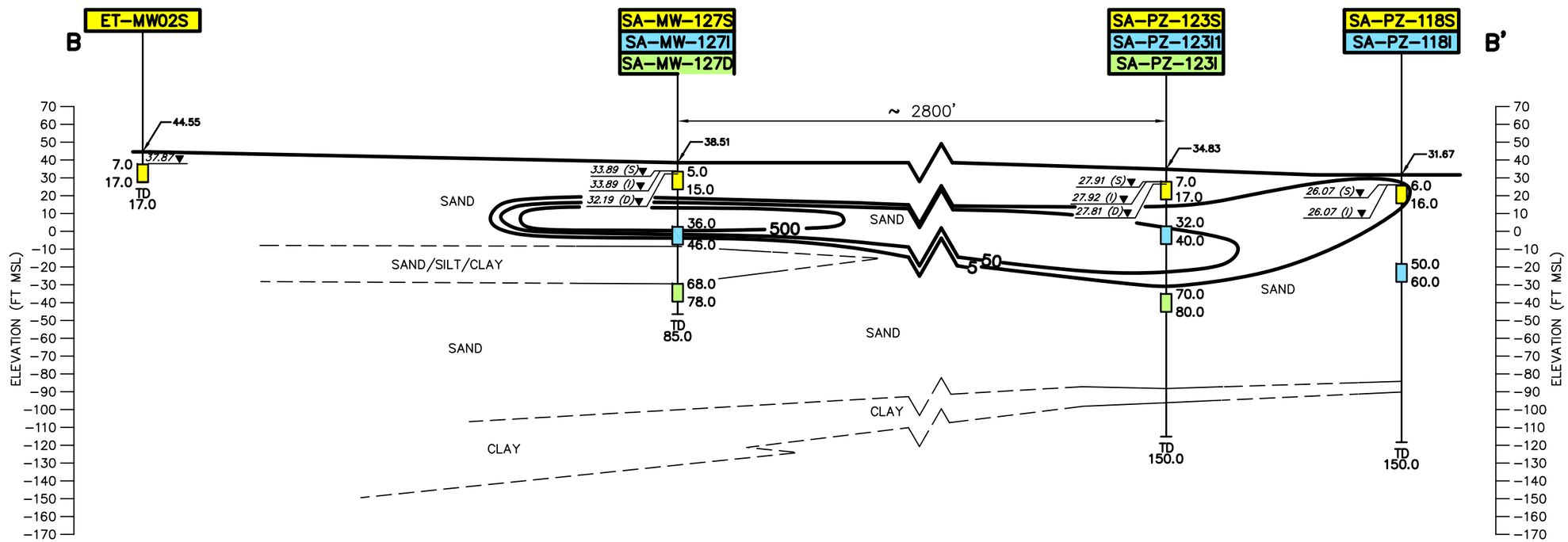




DRAWN BY CK DATE 5/21/08	Tetra Tech NUS, Inc.	TOTAL CHLORINATED VOCs ISOCONCENTRATION CONTOUR MAP GEOLOGICAL CROSS SECTION A – A' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 4-4 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

ACAD: 0903CX05.dwg 05/22/08 CK PIT



NOTES:

1.) WELL CLUSTERS ARE PROJECTED AND REPRESENTED AS A SINGLE VERTICAL BORING/MONITORING WELL.

2.) WELLS SURVEYED BY L. K. MCLEAN ASSOCIATES, P. C. BROOKHAVEN, NEW YORK, APRIL 2008

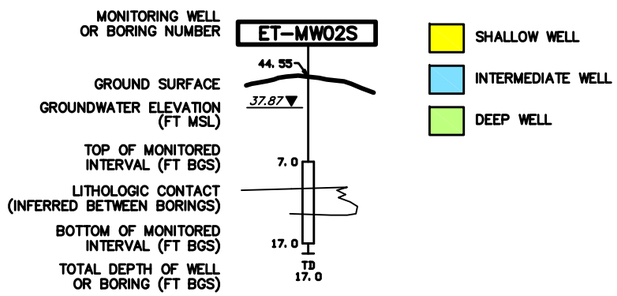
3.) LITHOLOGY INTERPRETATED FROM GEOPHYSICAL LOGS AND DRILL CUTTINGS.

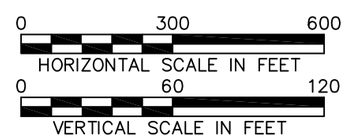
4.) WATER LEVEL DATA 2-7-08.

5.) CONTOUR INTERVALS ARE IN ~ug/L.

6.) GROUND SURFACE ELEVATION DETERMINED USING INTERMEDIATE WELLS.

LEGEND:





DRAWN BY CK DATE 5/22/08	Tetra Tech NUS, Inc.	TOTAL CHLORINATED VOCs ISOCONCENTRATION CONTOUR MAP GEOLOGICAL CROSS SECTION B – B' SOUTHERN AREA NWIRP CALVERTON CALVERTON, NEW YORK	CONTRACT NO. 0903
CHECKED BY DATE			OWNER NO.
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 4-5 / REV. 0

FORM CADD NO. SDIV-BH.DWG - REV 2 - 6/19/06

5.0 CONCLUSIONS AND RECOMMENDATIONS

In summary, conclusions of current conditions at Sites 6A, 10B, and the Southern Area are becoming better understood.

1,1-Dichloroethane was found at Site 6A and the Southern Area with exceedances of NYSDOH MCLs in several wells. This distribution links Site 6A, through the Southern Area and the PRSC, to a monitoring well adjacent to the Peconic River.

Recommendations from this study are as follows:

1. Continue with regular monitoring of groundwater to develop a better understanding of contaminant trends.

2. Install monitoring well clusters between SA-MW-127 and SA-MW-128 and a monitoring well cluster between SA-MW-127 and SA-PZ-123.

REFERENCES

C.F. Braun (C.F. Braun Engineering Corporation), 1997. RCRA Facility Assessment - Sampling Visit
Addendum, NWIRP Calverton, New York, CLEAN Program, Prepared by C.F. Braun Engineering Corporation, Contract Number N62472-90-D-1298, CTO 0138, January.

Fetter, C.W., Jr., 1976. Hydrogeology of the South Fork of Long Island, New York. Bulletin, Geological
Society of America, Volume 87, pp. 401-406.

HNUS, 1995. RCRA Facility Investigation, NWIRP, Calverton, New York, CLEAN Program, Prepared by HNUS, Contract Number N62472-90-D-1298, CTO 0138, August.

Isbister, J., 1966. Geology and Hydrology of Northeastern Nassau County, Long Island, New York. Water Supply Paper 1925, U.S. Geological Survey.

Jones, Suter and Hull, 1997. Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Sediment-Associated Biota: 1997 Revision. Oak Ridge National Laboratory (sediment) - Table 3 (secondary chronic values).

McClymonds, IN., and 0. Franke, 1972. Water Transmitting Properties of Aquifers on Long Island, New York. U.S. Geological Survey Professional Paper 627-E.

New York State Department of Environmental Conservation (NYSDEC), 1999. Water Quality Regulations. Surface Water and Groundwater Classifications and Standards, New York State Codes and Regulations, Title 6, Chapter X Parts 700 - 706.

New York State Department of Health (NYSDOH), 2004. New York State Department of Health. New York Public Supply Regulations, 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Table 3-Organic Chemicals Maximum Contaminant Level Determination and Table 9D - Organic Chemicals - Principal Organic Contaminants, from the NYSDOH website at http://www.health.state.ny.us/environmental/water/drinking/part5/subpart5.htm

Suter and Tsao, 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota. Oak Ridge National Laboratory (surface water) - Table 1 (secondary chronic values), Toxilogical Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision.

Tetra Tech NUS, Inc. (TtNUS), 1998. Engineering Evaluation/Cost Analysis for Sites 2, 6A, 7, and 10B, NWIRP, Calverton, New York, CLEAN Program. Contract Number N62472-90-D-1298, CTO 0270, September.

Tetra Tech NUS, Inc. (TtNUS), 2001. Phase 2 Remedial Investigation Site 6A - Fuel Calibration Area, Site 108 - Engine Test House, and Southern Area for Naval Weapons Industrial Reserve Plant, Calverton, New York. King of Prussia, Pennsylvania, July.

Tetra Tech NUS, Inc. (TtNUS), 2005. Data Summary Report for Site 2 – Fire Training Area Naval Weapons Industrial Reserve Plant (NWIRP) Calverton, New York, Volume 1. August.

REFERENCES (continued)

Tetra Tech NUS, Inc. (TtNUS), 2006. Feasibility Study/Corrective Measures Study for Off-Site Southern Area Plume Naval Weapons Industrial Reserve Plant (NWIRP) Calverton, New York. January.

Tetra Tech NUS, Inc. (TtNUS), 2007a. Statement of Basis for Site 6A-Fuel Calibration Area, Site 10B-Engine Test House, and On-Site Southern Area Plume Naval Weapons Industrial Reserve Plant (NWIRP) Calverton, New York. March.

Tetra Tech NUS, Inc. (TtNUS), 2007b. Letter Report Results of October 2006 Groundwater, Surface Water, and Sediment testing Southern Area, Naval Weapons Industrial Reserve Plant (NWIRP) Calverton, New York. January.

Tetra Tech NUS, Inc. (TtNUS), 2007c. Work Plan for Pre-Design Groundwater Investigation at Site 6A-Fuel Calibration Area, Site 10B-Engine Test House, and Southern Area, (NWIRP) Calverton, New York. September.

United States Department of the Interior (USDOI), 1980. National Wetlands Inventory Maps for Wading River, Riverhead, and Mattituk, New York. Fish and Wildlife Service. April.

United States Environmental Protection Agency (USEPA), 2007. Drinking Water Contaminants National Primary Drinking Water Regulations, from the USEPA website at http://www.epa.gov/safewater/contaminants/index.html#primary

APPENDIX A

RESULTS OF 2006 GROUNDWATER, SURFACE WATER, AND SEDIMENT TESTING SOUTHERN AREA, NWIRP CALVERTON, NEW YORK

Results of October 2006 Groundwater,
Surface Water, and Sediment Testing
Southern Area, NWIRP Calverton, New York

Introduction: Volatile organic compound (VOC)-contaminated groundwater that originated at Site 6A - Fuel Calibration Area has migrated beyond the fence line at NWIRP Calverton and is moving in the direction of the Peconic River. The estimated areal extent of the combined onsite and offsite plume is approximately 180 acres, and the plume extends to a maximum depth of approximately 100 feet. The area affected by the plume is referred to as the Southern Area and consists of current and former Navy-owned property and privately owned property along the river, (see Figure 2-12 attached).

Based on previous investigations, the upgradient and sidegradient extents of the plume are relatively well defined, and the downgradient extent of the plume is limited by the Peconic River to the south. However, prior to the October 2006 field investigation, the location of the plume relative to the river was uncertain. The primary groundwater contaminant in the Southern Area is 1,1-dichloroethane (DCA), a VOC that is a breakdown product of the commonly used solvent 1,1,1-trichloroethane (TCA). As discussed below, other breakdown products of TCA have been detected at the site.

To determine the downgradient extent of the groundwater plume and potential impacts to the Peconic River, surface water, sediment, and groundwater samples were collected on October 10, 11, and 12, 2006. During this event, two shallow groundwater wells were installed just north of the Peconic River in the projected flow path of previously identified VOC-contaminated groundwater. Previous attempts to install wells in this area failed because the extensive wetlands between Connecticut Avenue, River Road, and the river prevented overland access to this area. Access to these new wells was by boat and the wells were installed by hand.

Objective: The objective of the October 2006 field work was to: (1) define the extent of the groundwater plume; (2) to determine whether VOC-contaminated groundwater is entering the Peconic River; and (3) if the contaminated groundwater is entering the river, to determine if it is having a potential adverse effect on ecological receptors in the river.

Field Activities: Two monitoring wells (SA-PZ-124 and -125) were installed just north of the Peconic River, (see Figure 3-4) at locations selected using global positioning system (GPS) coordinates relative to the groundwater plume and the presence of dry accessible land to install the wells. The wells were installed on hummocks that rise approximately 1 to 2 feet above the surface water (in October 2006). These hummocks may flood during heavy precipitation events. Both wells also coincide with stream channels that enter the river from the north. During the October 2006 sampling event, neither channel had flow, but these channels represent potential future surface water sample locations. Photographs of the wells are presented in Attachment 1.

The new wells are 1-inch diameter stainless steel, with 0.010-inch slot, 3-foot-long screens. The wells were installed using a hand pile driver to a depth of approximately 6 feet below ground surface. Well construction sheets are presented in Attachment 2. During installation, the top 2 to 3 feet of the hummock was noted to be very soft. The screen was installed into what appeared to a denser unit located just below this material. The riser extends to a depth of approximately 2 feet above the ground surface and is sealed with a cap. The wells were developed by removing approximately 2 to 3 gallons of water using a microbailer. After development, the groundwater was slightly turbid. Groundwater samples were collected immediately after development and analysed for VOCs using method SW846-8260B.

In addition to the two new wells (SA-PZ-124 and SA-PZ-125), five existing monitoring wells were sampled, (SA-PZ-118S, -118I, -120S, -122D, and -123I), and four surface water (SA-SW-124, -125, -101/201, and -103/204 and four sediment (SA-SD-124, -125, -101/201, and -103/204) samples were collected from the river, (see Figure 3-4). The groundwater samples were collected using a peristaltic pump. The surface water and sediment samples are co-located. Samples SA-SW-101/201 and SA-SW-103/204 are located at culverts on the northern side of the river. SA-SW-124 and -125 are approximately 20 to 30 feet south of the piezometers with the same number. The surface water and sediment samples were collected along the northern edge of the river's main flow channel. Sample log sheets and chain-of-custody forms are presented in Attachment 2. The surface water and sediment samples were analyzed for VOCs using method SW846-8260B.

Results: Groundwater, surface water, and sediment analytical results from the October 2006 sampling event are presented in Tables 2, 3, and 4, respectively, and Figure 3-4. Form Is are

presented in Attachment 3. Also presented on Figure 3-4 are results from previous sample events.

The chorinated solvents TCA and associated degradation products DCA, 1,1-dichloroethene (DCE), chloroethane, and vinyl chloride were detected in groundwater samples from the October 2006, (see Table 2). Of these detections, DCA (91 and 38 micrograms per liter [ug/l]) and DCE (15 and 7 ug/l) were detected at concentrations greater than groundwater standards (5 ug/l) in two wells (SA-PZ-123I and SA-PZ-124, respectively). The concentrations of DCA and DCE in SA-PZ-12I are consistent with previous results, and the detection of these chemicals in SA-PZ-124 is consistent with the estimated groundwater flow. The groundwater detections are less than New York State Surface Water Quality Standards of 2,100 ug/l for DCA and 210 ug/l for DCE, (see Table 3). Alternative minimum surface water quality standards from Oakridge National Laboratories (ORNL) and based on potential impact to ecological receptors are 47 ug/l for DCA and 25 ug/l for DCE, (see Table 3). Without attenuation, VOCs in groundwater from SA-PZ-123I could impact ecological receptors. VOCs in groundwater from SA-PZ-124 are less than the alternative minimum surface water standards, suggesting that impacts to ecological receptors would not be expected.

In addition, toluene (3 ug/l), 1,4-dichlorobenzene (0.6 ug/l), and 1,2,4-trichlorobenzene (0.5 ug/l) were detected in groundwater samples, but at concentrations less than groundwater or surface water criteria. These chemicals may or may not be site related.

DCA was detected in surface water sample SA-SW-124 at a concentration of 0.5J ug/l, (see Table 3). This location corresponds to the location of monitoring well SA-PZ-124, in which DCA was detected at concentration of 38 ug/l. The detected DCA concentration in surface water is less than surface water quality standard, indicating that significant impact to ecological receptors would not be expected. DCA was not detected in the upstream surface water sample (SA-SW-201) or the two downstream surface water samples (SA-SW-125 or -204), which is consistent with expected volatilization of DCA from surface water.

Site-related chlorinated solvents were not detected in sediment samples. Acetone and 2-butanone were detected in sediment samples SA-SD-124 and SA-SD204, (see Table 4). These chemicals are relatively biodegradable and the concentrations detected are less than potential

sediment standards. Also, these chemicals are also common laboratory contaminants, and may be an artifact of sample analysis.

Conclusions and Recommendations: Conclusions and recommendations developed from this study are as follows:

1. VOC concentrations detected in site groundwater in October 2006 are consistent with previous data, indicating that the site characteristics are not changing rapidly. Some of the detections are at concentrations greater than New York State groundwater criteria, but not at concentrations greater than New York State surface water quality criteria.

2. DCA and DCE are present in groundwater near Connecticut Avenue at concentrations greater than alternative minimum surface water criteria from ORNL, which are less than New York State Surface Water Criteria. In the absence of attenuation between this location and the Peconic River, some localized impacts to ecological receptors may occur.

3. DCA and DCE were detected in one groundwater sample downgradient of Connecticut Avenue and just north of the Peconic River. This finding confirms that the downgradient extent of the groundwater plume is the Peconic River. The detected concentrations exceed New York State groundwater criteria, but not New York State or ORNL Surface Water Criteria. These data indicate that sufficient attenuation of contaminants is occurring between Connecticut Avenue and the Peconic River and that potential impacts to ecological receptors are not expected.

4. DCA was detected in the Peconic River at one location, but at a concentration significantly less than New York State and ORNL Surface Water Criteria. DCA was not detected in either of the downstream samples, which is consistent with DCA not being persistent in surface water.

5. The data are limited, and additional surface water, sediment, and groundwater testing are required to confirm the results of this sampling event.

Table 1

Sampling Rationale for October 2006 Groundwater, Surface Water, and Sediment Testing Southern Area, NWIRP Calverton

Sample ID	Sample Type	Analysis	Rationale
SA-PZ-118S	Groundwater	VOCs	Existing shallow well, southwest of plume, near river.
SA-PZ-118I	Groundwater	VOCs	Existing intermediate-depth (50 to 60 feet) well, southwest of plume, near river.
SA-PZ-120S	Groundwater	VOCs	Existing shallow well, northeast of plume.
SA-PZ-122D	Groundwater	VOCs	Existing deep (122 to 132 feet) well, in northern portion of plume.
SA-PZ-123I	Groundwater	VOCs	Existing intermediate-depth (70 to 80 feet) well, in center of plume. Most contaminated Southern Area well.
SA-PZ-124	Groundwater	VOCs	New shallow well located just north of river, east southeast of SA-PZ-123I.
SA-PZ-125	Groundwater	VOCs	New shallow well located just north of river, east of SA-PZ-123I.
SA-SW201/-SD201	Surface water/ sediment	VOCs	Sample location is near SA-PZ-118S, and should be upstream of potential contamination. Same location as previous sample point SA-SW101.
SA-SW-124/-SD-124	Surface water/ sediment	VOCs	Sample location is co-located with SA-PZ-124 and is within a potential impact area.
SA-SW-125/-SD-125	Surface water/ sediment	VOCs	Sample location is co-located with SA-PZ-125 and is within a potential impact area.
SA-SW204/-SD204	Surface water/ sediment	VOCs	Sample location is downstream of potential contamination. Same location as previous sample point SA-SW-103

VOCs - Volatile organic compounds.

Table 2

Results of October 2006 Groundwater Testing
Southern Area, NWIRP Calverton, New York

Parameter	NYS MCL	SA-PZ-118S	SA-PZ-118I	SA-PZ-120S	SA-PZ-122D	SA-PZ-123I	SA-PZ-124	SA-PZ-125
Vinyl chloride	2					0.8 J		
Chloroethane	5					2 J		
1,1-Dichloroethene	5					15	7	
1,1-Dichloroethane	5				2J	91	38	
1,1,1-Trichloroethane	5					3 J		
Toluene	5						3 J	0.5 J
1,4-Dichlorobenzene	3					0.6 J		
1,2,4-Trichlorobenzene	5					0.5 J		

Units are mircograms per liter (ug/l).
Only detected parameters are presented. A blank cell indicates that the parameter was not detected.
NYS MCL - New York State Maximum Contaminant Level for potable water supplies.
J - Estimated concentration.

Table 3

Results of October 2006 Surface Water Testing
Southern Area, NWIRP Calverton, New York

Parameter	NYSDEC WQS	ORNL Surface Water	SA-SW-124	SA-SW-125	SA-SW-201	SA-SW-204
Vinyl chloride	NA	NA				
Chloroethane	NA	NA				
1,1-Dichloroethene	210	25				
1,1-Dichloroethane	2,100	47	0.5 J			
1,1,1-Trichloroethane	280	11				
Toluene	100	9.8				
1,4-Dichlorobenzene	NA	NA				
1,2,4-Trichlorobenzene	NA	NA				

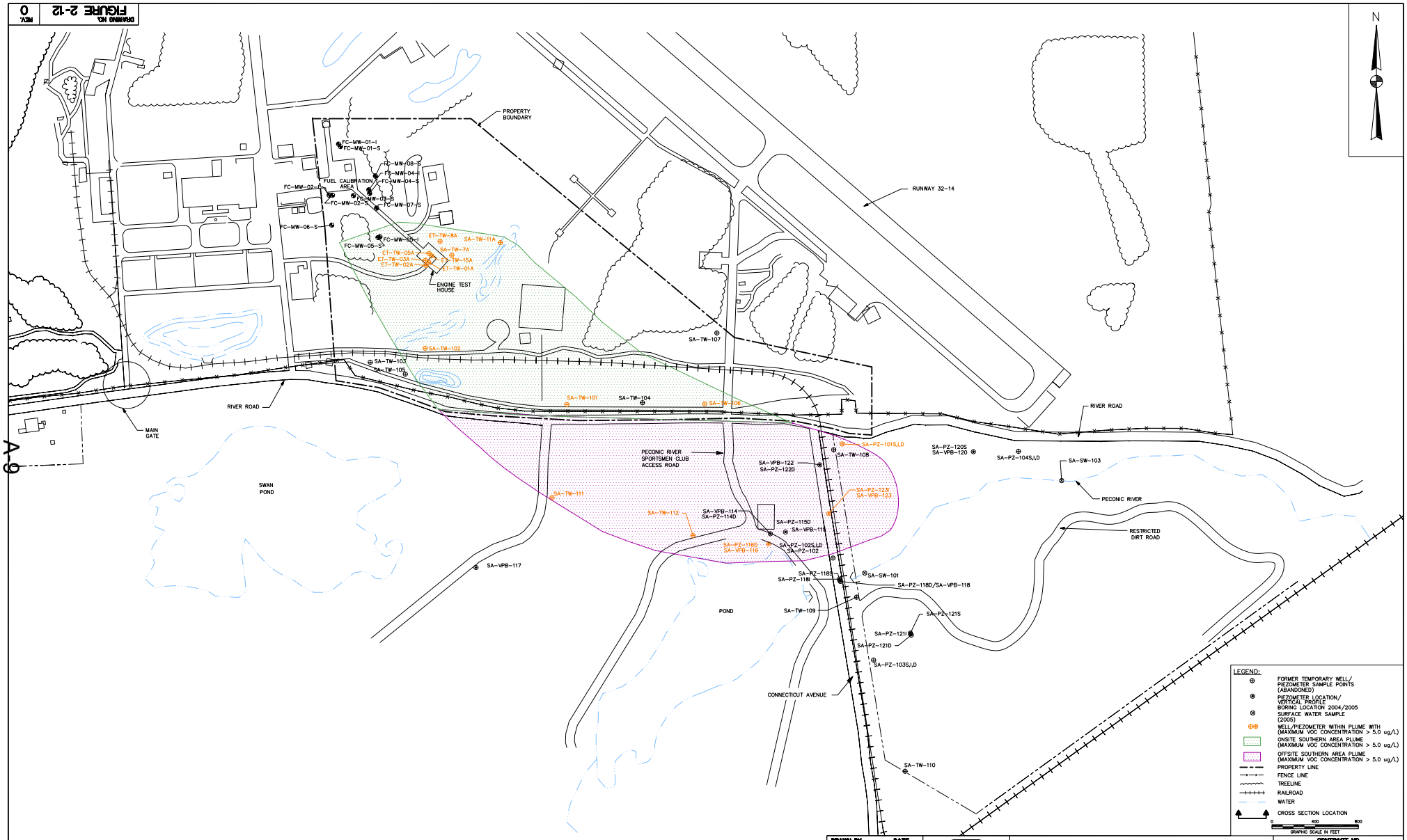
Units are mircograms per liter (ug/l).
Only detected parameters are presented. A blank cell indicates that the parameter was not detected.
NA - Not applicable.
J - Estimated concentration.
NYSDEC WQS - New York State Water Quality Standards (TOGS 1.1.1)
ORNL Surface Water - Oak Ridge National Laboratory, Table 1 - secondary chronic values.

Table 4

Results of October 2006 Sediment Testing
Southern Area, NWIRP Calverton, New York

Parameter	NYSDEC Sediment Value	SA-SD-124	SA-SD-125	SA-SD-201	SA-SD-204
Vinyl chloride	NA				
Chloroethane	NA				
1,1-Dichloroethene	950				
1,1-Dichloroethane	430				
1,1,1-Trichloroethane	1,300				
Toluene	780				
1,4-Dichlorobenzene	NA				
1,2,4-Trichlorobenzene	NA				
Acetone	50,000[1]	140			33 J
2-Butanone	17,000[1]	36			

Units are micrograms per kilogram (ug/kg).
Only detected parameters are presented. A blank cell indicates that the parameter was not detected.
J - Estimated concentration.
NYSDEC Sediment Value - New York State 6NYCRR Part 706.1. Sediment values are derived from water quality criteria. Values assume a total organic compound concentration of 1.5 percent.
1 Because of very low distribution coefficients for these parameters, values are in ug/L in the sediment pore water. Sediments samples are 26 to 67 percent water. As a result, for this sampling event, total sediment VOC concentrations are similar to pore water concentrations.

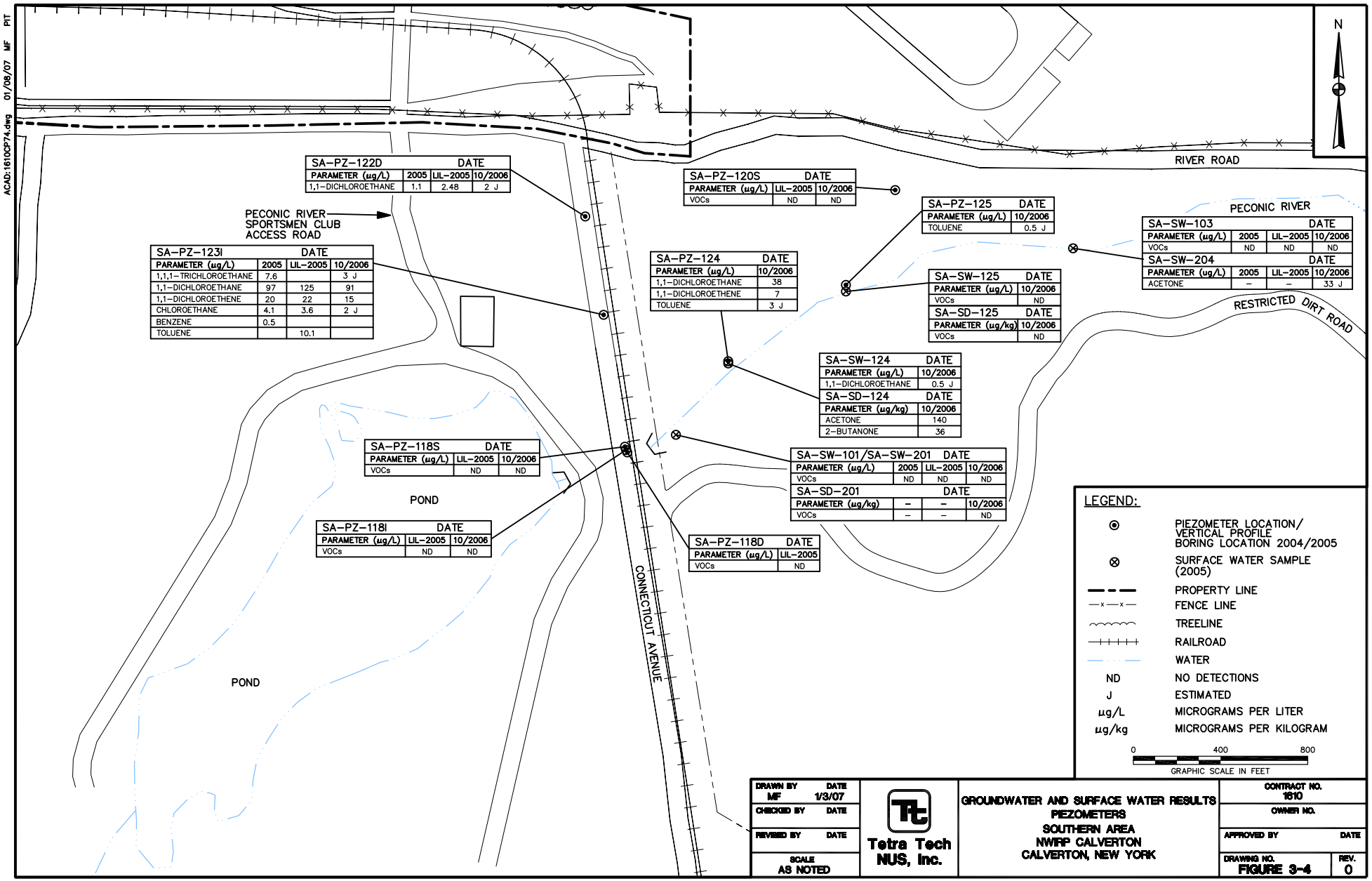


DRAWN BY DM	DATE 10/17/05	Tetra Tech NUS, Inc.	ONSITE AND OFFSITE SOUTHERN AREA GROUNDWATER CONTAMINANT PLUMES NWIRP, CALVERTON CALVERTON, NEW YORK
CHECKED BY	DATE		CONTRACT NO. 1610
REVIEWED BY	DATE		OWNER NO. 0004
SCALE AS NOTED			APPROVED BY / DATE
			DRAWING NO. FIGURE 2-12 / REV. 0

FORM CADD NO. TTNUS-D-STD.DWG - REV 1 - 9/11/98

ACAD:1610CF43.dwg 05/11/06 MF PIT

DRAWING NO. FIGURE 2-12 REV. 0


N
RIVER ROAD
PECONIC RIVER
RESTRICTED DIRT ROAD
CONNECTICUT AVENUE
POND
POND
PECONIC RIVER SPORTSMEN CLUB ACCESS ROAD
SA-PZ-122D DATE
PARAMETER (µg/L) 2005 LIL-2005 10/2006
1,1-DICHLOROETHANE 1.1 2.48 2 J
SA-PZ-123I DATE
PARAMETER (µg/L) 2005 LIL-2005 10/2006
1,1,1-TRICHLOROETHANE 7.6 3 J
1,1-DICHLOROETHANE 97 125 91
1,1-DICHLOROETHENE 20 22 15
CHLOROETHANE 4.1 3.6 2 J
BENZENE 0.5
TOLUENE 10.1
SA-PZ-118S DATE
PARAMETER (µg/L) LIL-2005 10/2006
VOCs ND ND
SA-PZ-118I DATE
PARAMETER (µg/L) LIL-2005 10/2006
VOCs ND ND
SA-PZ-118D DATE
PARAMETER (µg/L) LIL-2005
VOCs ND
SA-PZ-120S DATE
PARAMETER (µg/L) LIL-2005 10/2006
VOCs ND ND
SA-PZ-124 DATE
PARAMETER (µg/L) 10/2006
1,1-DICHLOROETHANE 38
1,1-DICHLOROETHENE 7
TOLUENE 3 J
SA-PZ-125 DATE
PARAMETER (µg/L) 10/2006
TOLUENE 0.5 J
SA-SW-125 DATE
PARAMETER (µg/L) 10/2006
VOCs ND
SA-SD-125 DATE
PARAMETER (µg/kg) 10/2006
VOCs ND
SA-SW-124 DATE
PARAMETER (µg/L) 10/2006
1,1-DICHLOROETHANE 0.5 J
SA-SD-124 DATE
PARAMETER (µg/kg) 10/2006
ACETONE 140
2-BUTANONE 36
SA-SW-101/SA-SW-201 DATE
PARAMETER (µg/L) 2005 LIL-2005 10/2006
VOCs ND ND ND
SA-SD-201 DATE
PARAMETER (µg/kg) – – 10/2006
VOCs – – ND
SA-SW-103 DATE
PARAMETER (µg/L) 2005 LIL-2005 10/2006
VOCs ND ND ND
SA-SW-204 DATE
PARAMETER (µg/L) 2005 LIL-2005 10/2006
ACETONE – – 33 J
LEGEND:
PIEZOMETER LOCATION/ VERTICAL PROFILE BORING LOCATION 2004/2005
SURFACE WATER SAMPLE (2005)
PROPERTY LINE
FENCE LINE
TREELINE
RAILROAD
WATER
ND NO DETECTIONS
J ESTIMATED
µg/L MICROGRAMS PER LITER
µg/kg MICROGRAMS PER KILOGRAM
0 400 800
GRAPHIC SCALE IN FEET
DRAWN BY MF DATE 1/3/07
CHECKED BY DATE
REVISED BY DATE
SCALE AS NOTED
Tetra Tech NUS, Inc.
GROUNDWATER AND SURFACE WATER RESULTS
PIEZOMETERS
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK
CONTRACT NO. 1610
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE 3-4
REV. 0
ACAD:1610CP74.dwg 01/08/07 MF PIT
FORM CADD NO. TTNUS-BH.DWG - REV 1 - 9/10/98

Attachment 1

Photographs

Canoe Launch Point - Connecticut Avenue, Looking East

SA-SD-201 and SA-SW-201, Looking West

SA-SD-124 and SA-SW-124, Looking North

SA-PZ-124, Looking Northwest

SA-SD-125 and SA-SW-125, Looking East

SA-PZ-125, Looking North

Attachment 2

Field Forms

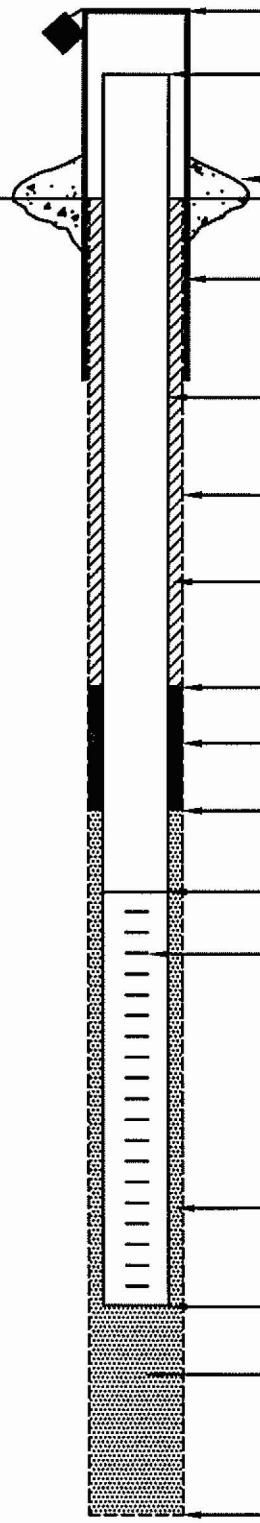
WELL NO.: SA-PZ 124S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NGIRP Calvistor LOCATION
PROJECT NO. 112GN 1610 BORING
DATE BEGUN 10-10-06 DATE COMPLETED 10-10-06
FIELD GEOLOGIST K. Weir
GROUND ELEVATION DATUM

DRILLER
DRILLING METHOD Hand Driven
DEVELOPMENT METHOD



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /
ELEVATION/HEIGHT OF TOP OF RISER PIPE: 12'
TYPE OF SURFACE SEAL:
I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:
RISER PIPE I.D.: ~~3/4"~~ 1" DOB
TYPE OF RISER PIPE: Stainless Steel
BOREHOLE DIAMETER:
TYPE OF BACKFILL:
ELEVATION/DEPTH TOP OF SEAL: /
TYPE OF SEAL:
DEPTH TOP OF SAND PACK:
ELEVATION/DEPTH TOP OF SCREEN: 13' bgs
TYPE OF SCREEN: Stainless steel
SLOT SIZE x LENGTH: 0.001" x 3'
I.D. OF SCREEN: ~~3/4"~~ 1" DOB
TYPE OF SAND PACK:
ELEVATION/DEPTH BOTTOM OF SCREEN: 16' bgs
ELEVATION/DEPTH BOTTOM OF SAND PACK: /
BACKFILL MATERIAL BELOW SAND:
ELEVATION/DEPTH OF HOLE: /

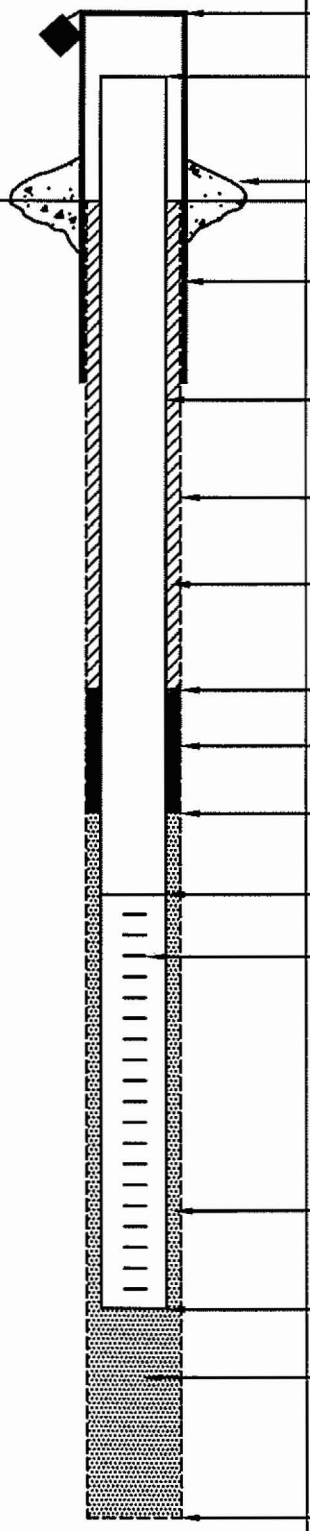
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ 125S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION	DRILLER
PROJECT NO. 1126.N1610	BORING	DRILLING METHOD
DATE BEGUN 10-10-06	DATE COMPLETED 10-10-06	
FIELD GEOLOGIST K. Weir		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /2'

TYPE OF SURFACE SEAL:

I.D. OF SURFACE CASING:
TYPE OF SURFACE CASING:

RISER PIPE I.D.: ~~3/4~~ 1" DOB
TYPE OF RISER PIPE: Stainless steel

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: /

TYPE OF SEAL:

DEPTH TOP OF SAND PACK:

ELEVATION/DEPTH TOP OF SCREEN: /3' bgs

TYPE OF SCREEN: Stainless steel

SLOT SIZE x LENGTH: 0.001" x 3'

I.D. OF SCREEN: ~~3/4"~~ 1" DOB

TYPE OF SAND PACK:

ELEVATION/DEPTH BOTTOM OF SCREEN: /6' bgs

ELEVATION/DEPTH BOTTOM OF SAND PACK: /
BACKFILL MATERIAL BELOW SAND:

ELEVATION/DEPTH OF HOLE: /

ACAD:FORM_MWSU.dwg 07/20/99 INL

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Calverton
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-Pz-118s
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 10·11·06								
Time: 1010								
Method: grundfos	Clear	6.30	0.072	17.35	5.2	4.55	0	ORP -65

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 10·11·06								
Method: Grundfos								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 2" PVC								
Total Well Depth (TD): 18.75								
Static Water Level (WL): 5.05								
One Casing Volume (gal/L): 2.25								
Start Purge (hrs): 0940								
End Purge (hrs): 1005								
Total Purge Time (min): 25								
Total Vol. Purged (gal/L): 13								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40ml vial	3

OBSERVATIONS / NOTES:

Horiba Cond. meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

WELL ID.: SA-Pz-1185
DATE: 10.11.06

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
0940	5.05	2,000	6.27	0.081	352	4.87	17.39	-58	0	0 gal
0945	5.08	2,000	6.27	0.077	28	4.74	17.38	-59	0	
0950	5.11	2,000	6.29	0.073	19	4.61	17.36	-62	0	5 gal
0955	5.11	2,000	6.29	0.072	8.1	4.59	17.35	-63	0	
1000	5.11	2,000	6.30	0.072	7.3	4.57	17.34	-64	0	10 gal
1005	5.11	2,000	6.30	0.072	5.2	4.55	17.35	-65	0	15 gal
1010				Sample						

SIGNATURE(S): [illegible]

PAGE 1 OF 1

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Culverton
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ-11EI
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 10-11-06								
Time: 0905								Orp
Method: Grundfos	Clear	6.44	0.051	12.71	5.5	6.43	0	100

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other.
Date: 10-11-06								
Method: Grundfos								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 2" PVC								
Total Well Depth (TD): 61.45								
Static Water Level (WL): 5.53								
One Casing Volume (gal/L): 9.1								
Start Purge (hrs): 0825								
End Purge (hrs): 0900								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): ~18								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

WELL ID.: SA-PZ-118I
DATE: 10-11-06

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
0825	5.53									
0830	5.54	2,000	5.94	0.052	210	7.81	13.10	172	0	
0835	5.54	2,000	6.14	0.052	85	7.49	13.19	127	0	5 gal
0840	5.54	2,000	6.25	0.051	46	8.96	12.99	114	0	
0845	5.54	2,000	6.28	0.052	27	7.41	12.95	113	0	10 gal
0850	5.54	2,000	6.40	0.051	19	6.54	12.75	100	0	
0855	5.54	2,00	6.43	0.051	12	6.48	12.72	100	0	15 gal
0900	5.54	2,000	6.44	0.051	5.5	6.43	12.71	100	0	
0905					Sample					

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Calverton
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ-120s
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Date: 10-10-06								
Time: 1455								
Method: Peristaltic Pump	Clear	5.56	0.07	15.32	16	8.33	—	166

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 10-10-06								
Method: Peristaltic Pump								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 2" PVC								
Total Well Depth (TD): 21.33								
Static Water Level (WL): 6.23								
One Casing Volume (gal/L): 2.45								
Start Purge (hrs): 1410								
End Purge (hrs): 1450								
Total Purge Time (min): 40								
Total Vol. Purged (gal/L): ~4								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

WELL ID.: SA-PZ-120S
DATE: 10-10-06

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1410	6.23	350	5.57	0.09	>1200	9.43	16.87	239	—	Brown
1415	6.23	325	5.87	0.09	1120	9.54	16.41	233	—	"
1420	6.24	325	5.85	0.08	230	9.16	16.27	229	—	Clearing up
1425	6.24	325	5.72	0.08	140	9.89	16.62	218	—	
1430	6.24	325	5.65	0.07	75	9.39	15.59	187	—	
1435	6.24	325	5.65	0.07	50	8.54	15.41	174	—	Clear
1440	6.24	325	5.61	0.07	39	8.35	15.36	170	—	
1445	6.24	325	5.58	0.07	28	8.34	15.33	168	—	
1450	6.24	325	5.56	0.07	16	8.33	15.32	166	—	
1455	Sample									

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Calverton
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-Pz-122d
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 10.11.06 Time: 1456 Method: Grundfos	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	Clear	6.52	0.065	12.00	45	6.26	0.0	-114

PURGE DATA:

Date: 10.11.06	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Grundfos								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type: 2" PVC								
Total Well Depth (TD): 134.64								
Static Water Level (WL): 13.39								
One Casing Volume (gal/L): ~20								
Start Purge (hrs): 1415								
End Purge (hrs): 1450								
Total Purge Time (min): 35								
Total Vol. Purged (gal/L): 18								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Galveston
PROJECT NUMBER:

WELL ID.: SA-Pz-122D
DATE: 10-11-06

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1415	13.39	2,000								started Clear then dk gray
1420	13.81	2,000	6.53	0.067	>1200	8.32	12.00	-111	0	
1425	13.83	2,000	6.49	0.064	>1200	7.19	12.03	-108	0	5 gal
1430	13.83	2,000	6.48	0.064	390	6.92	12.04	-109	0	clearing
1435	13.83	2,000	6.49	0.065	200	6.80	12.02	-109	0	10 gal
1440	13.83	2,000	6.50	0.064	140	6.66	11.97	-111	0	
1445	13.83	2,000	6.52	0.065	65	6.53	12.04	-113	0	15 gal
1450	13.83	2,000	6.52	0.065	45	6.26	12.00	-114	0	
1455	Sample									

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Galveston
Project No.:

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-P2-123I
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 10.12.06								
Time: 0910								ORP
Method: Grundfos	Clear	6.09	0.081	11.87	23	5.67	0.0	-53

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 10-12-06								
Method: grundfos								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type: 2" PVC								
Total Well Depth (TD): 83.82								
Static Water Level (WL): 10.24								
One Casing Volume (gal/L): 12								
Start Purge (hrs): 0820								
End Purge (hrs): 0905								
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 22								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

WELL ID.: SA-Pz-123E
DATE: 10-12-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
0820	10.24	2,000								0 gal lt. Gray
0825	10.38	2,000	5.89	0.087	>1200	6.33	12.93	-26	0	
0830	10.38	2,000	5.82	0.086	>1200	6.08	11.94	-29	0	05 gal
0835	10.38	2,000	5.80	0.084	410	5.94	11.86	-31	0	
0840	10.38	2,000	5.85	0.083	190	5.87	11.85	-35	0	10 gal
0845	10.38	2,000	5.86	0.082	134	5.81	11.85	-37	0	
0850	10.38	2,000	5.91	0.082	85	5.78	11.88	-41	0	15 gal
0855	10.38	2,000	6.00	0.082	62	5.71	11.93	-47	0	
0900	10.38	2,000	6.07	0.081	39	5.69	11.89	-51	0	20 gal
0905	10.38	2,000	6.09	0.081	23	5.67	11.87	-53	0	
0910	Sample									

SIGNATURE(S): _____

PAGE___OF___

Attachment 3

Analytical Data

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 19:25
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-7
Client ID: SA-PZ-118S-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 19:25
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-7
Client ID: SA-PZ-118S-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		69%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		84%				

Page 02 of 02 S1652.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 17:47
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-1
Client ID: SA-PZ-118I-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 17:47
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-1
Client ID: SA-PZ-118I-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		71%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		85%				

Page 02 of 02 S1649.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/10/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 17:14
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-15
Client ID: SA-PZ-120S-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/10/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 17:14
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-15
Client ID: SA-PZ-120S-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		68%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		84%				

Page 02 of 02 S1648.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 22:10
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-14
Client ID: SA-PZ-122D-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	J	2	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 22:10
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-14
Client ID: SA-PZ-122D-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		67%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		86%				

Page 02 of 02 S1657.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/12/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 22:43
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-16
Client ID: SA-PZ-123I-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	J	0.8	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	J	2	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene		15	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane		91	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	3	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/12/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 22:43
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-16
Client ID: SA-PZ-123I-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	J	0.6	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	J	0.5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		66%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		85%				

Page 02 of 02 S1658.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 19:58
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-9 PZ
Client ID: SA-~~SW~~-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene		7	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane		38	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	3	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 19:58
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-9 PZ
Client ID: SA-~~SW~~-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		70%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		85%				

Page 02 of 02 S1653.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 21:04
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-11
Client ID: SA-PZ-125-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	0.5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 21:04
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-11
Client ID: SA-PZ-125-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		68%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 20:31
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-10 SW
Client ID: SA-~~PZ~~-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	J	0.5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 20:31
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-10 SW
Client ID: SA-~~PZ~~-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		68%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		85%				

Page 02 of 02 S1654.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 21:37
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-12 STET
Client ID: SA-~~SW-125~~-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 21:37
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-12
Client ID: SA-SW-125-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		68%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		84%				

Page 02 of 02 S1656.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 18:20
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-3
Client ID: SA-SW-201-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 18:20
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-3
Client ID: SA-SW-201-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		90%				
17060-07-0	1,2-Dichloroethane-D4		72%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 18:53
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-6
Client ID: SA-SW-204-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 18:53
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-6
Client ID: SA-SW-204-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		72%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		88%				

Page 02 of 02 S1651.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 13:41
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 72.6

Lab ID: WW5510-8
Client ID: SA-SD-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	1
74-87-3	Chloromethane	U	7	1.0	5	7	2
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	2
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	1
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	3
76-13-1	Freon-113	U	7	1.0	5	7	2
67-64-1	Acetone		140	1.0	25	34	18
75-15-0	Carbon Disulfide	U	7	1.0	5	7	1
79-20-9	Methyl Acetate	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	34	1.0	25	34	2
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	1
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	2
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	2
78-93-3	2-Butanone		36	1.0	25	34	19
67-66-3	Chloroform	U	7	1.0	5	7	1
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	1
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	1
71-43-2	Benzene	U	7	1.0	5	7	1
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	1
79-01-6	Trichloroethene	U	7	1.0	5	7	2
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	2
75-27-4	Bromodichloromethane	U	7	1.0	5	7	0.9
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	1
108-10-1	4-methyl-2-pentanone	U	34	1.0	25	34	7
108-88-3	Toluene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	1
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	1
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	34	1.0	25	34	11
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
108-90-7	Chlorobenzene	U	7	1.0	5	7	1.0
100-41-4	Ethylbenzene	U	7	1.0	5	7	1
	m+p-Xylenes	U	14	1.0	10	14	5
95-47-6	o-Xylene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	20	1.0	15	20	7
100-42-5	Styrene	U	7	1.0	5	7	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 13:41
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 72.6

Lab ID: WW5510-8
Client ID: SA-SD-124-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	2
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	1
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	1
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	2
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	2
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	3
17060-07-0	1,2-Dichloroethane-D4		73%				
2037-26-5	Toluene-D8		75%				
460-00-4	P-Bromofluorobenzene		68%				
1868-53-7	Dibromofluoromethane		73%				

Page 02 of 02 Z1672.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 14:16
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 33.2

Lab ID: WW5510-13
Client ID: SA-SD-125-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	14	1.0	5	14	3
74-87-3	Chloromethane	U	14	1.0	5	14	4
75-01-4	Vinyl chloride	U	14	1.0	5	14	4
74-83-9	Bromomethane	U	14	1.0	5	14	6
75-00-3	Chloroethane	U	14	1.0	5	14	5
75-69-4	Trichlorofluoromethane	U	14	1.0	5	14	3
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	6
76-13-1	Freon-113	U	14	1.0	5	14	4
67-64-1	Acetone	U	71	1.0	25	71	38
75-15-0	Carbon Disulfide	U	14	1.0	5	14	3
79-20-9	Methyl Acetate	U	14	1.0	5	14	6
75-09-2	Methylene Chloride	U	71	1.0	25	71	5
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	3
1634-04-4	Methyl tert-butyl ether	U	14	1.0	5	14	5
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	3
540-59-0	1,2-Dichloroethylene (total)	U	28	1.0	10	28	5
78-93-3	2-Butanone	U	71	1.0	25	71	40
67-66-3	Chloroform	U	14	1.0	5	14	3
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	3
1735-17-7	Cyclohexane	U	14	1.0	5	14	3
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	3
71-43-2	Benzene	U	14	1.0	5	14	3
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	5
108-87-2	Methylcyclohexane	U	14	1.0	5	14	5
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	4
75-27-4	Bromodichloromethane	U	14	1.0	5	14	2
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	3
108-10-1	4-methyl-2-pentanone	U	71	1.0	25	71	15
108-88-3	Toluene	U	14	1.0	5	14	5
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	3
79-00-5	1,1,2-Trichloroethane	U	14	1.0	5	14	2
127-18-4	Tetrachloroethene	U	14	1.0	5	14	5
591-78-6	2-Hexanone	U	71	1.0	25	71	23
124-48-1	Dibromochloromethane	U	14	1.0	5	14	5
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	4
108-90-7	Chlorobenzene	U	14	1.0	5	14	2
100-41-4	Ethylbenzene	U	14	1.0	5	14	2
	m+p-Xylenes	U	28	1.0	10	28	11
95-47-6	o-Xylene	U	14	1.0	5	14	4
1330-20-7	Xylenes (total)	U	43	1.0	15	43	15
100-42-5	Styrene	U	14	1.0	5	14	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 14:16
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 33.2

Lab ID: WW5510-13
Client ID: SA-SD-125-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	14	1.0	5	14	5
98-82-8	Isopropylbenzene	U	14	1.0	5	14	3
79-34-5	1,1,2,2-Tetrachloroethane	U	14	1.0	5	14	2
541-73-1	1,3-Dichlorobenzene	U	14	1.0	5	14	4
106-46-7	1,4-Dichlorobenzene	U	14	1.0	5	14	3
95-50-1	1,2-Dichlorobenzene	U	14	1.0	5	14	4
96-12-8	1,2-Dibromo-3-Chloropropane	U	14	1.0	5	14	4
120-82-1	1,2,4-Trichlorobenzene	U	14	1.0	5	14	6
17060-07-0	1,2-Dichloroethane-D4		71%				
2037-26-5	Toluene-D8		73%				
460-00-4	P-Bromofluorobenzene		65%				
1868-53-7	Dibromofluoromethane		76%				

Page 02 of 02 Z1673.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 12:31
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 73.8

Lab ID: WW5510-2
Client ID: SA-SD-201-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	6	1.0	5	6	1
74-87-3	Chloromethane	U	6	1.0	5	6	2
75-01-4	Vinyl chloride	U	6	1.0	5	6	2
74-83-9	Bromomethane	U	6	1.0	5	6	2
75-00-3	Chloroethane	U	6	1.0	5	6	2
75-69-4	Trichlorofluoromethane	U	6	1.0	5	6	1
75-35-4	1,1-Dichloroethene	U	6	1.0	5	6	2
76-13-1	Freon-113	U	6	1.0	5	6	2
67-64-1	Acetone	U	32	1.0	25	32	17
75-15-0	Carbon Disulfide	U	6	1.0	5	6	1
79-20-9	Methyl Acetate	U	6	1.0	5	6	3
75-09-2	Methylene Chloride	U	32	1.0	25	32	2
156-60-5	trans-1,2-Dichloroethene	U	6	1.0	5	6	1
1634-04-4	Methyl tert-butyl ether	U	6	1.0	5	6	2
75-34-3	1,1-Dichloroethane	U	6	1.0	5	6	1
156-59-2	cis-1,2-Dichloroethene	U	6	1.0	5	6	2
540-59-0	1,2-Dichloroethylene (total)	U	13	1.0	10	13	2
78-93-3	2-Butanone	U	32	1.0	25	32	18
67-66-3	Chloroform	U	6	1.0	5	6	1
71-55-6	1,1,1-Trichloroethane	U	6	1.0	5	6	1
1735-17-7	Cyclohexane	U	6	1.0	5	6	1
56-23-5	Carbon Tetrachloride	U	6	1.0	5	6	1
71-43-2	Benzene	U	6	1.0	5	6	1
107-06-2	1,2-Dichloroethane	U	6	1.0	5	6	1
79-01-6	Trichloroethene	U	6	1.0	5	6	2
108-87-2	Methylcyclohexane	U	6	1.0	5	6	2
78-87-5	1,2-Dichloropropane	U	6	1.0	5	6	2
75-27-4	Bromodichloromethane	U	6	1.0	5	6	0.8
10061-01-5	cis-1,3-dichloropropene	U	6	1.0	5	6	1
108-10-1	4-methyl-2-pentanone	U	32	1.0	25	32	7
108-88-3	Toluene	U	6	1.0	5	6	2
10061-02-6	trans-1,3-Dichloropropene	U	6	1.0	5	6	1
79-00-5	1,1,2-Trichloroethane	U	6	1.0	5	6	1
127-18-4	Tetrachloroethene	U	6	1.0	5	6	2
591-78-6	2-Hexanone	U	32	1.0	25	32	10
124-48-1	Dibromochloromethane	U	6	1.0	5	6	2
106-93-4	1,2-Dibromoethane	U	6	1.0	5	6	2
108-90-7	Chlorobenzene	U	6	1.0	5	6	1.0
100-41-4	Ethylbenzene	U	6	1.0	5	6	1
	m+p-Xylenes	U	13	1.0	10	13	5
95-47-6	o-Xylene	U	6	1.0	5	6	2
1330-20-7	Xylenes (total)	U	20	1.0	15	20	7
100-42-5	Styrene	U	6	1.0	5	6	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 12:31
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 73.8

Lab ID: WW5510-2
Client ID: SA-SD-201-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	6	1.0	5	6	2
98-82-8	Isopropylbenzene	U	6	1.0	5	6	2
79-34-5	1,1,2,2-Tetrachloroethane	U	6	1.0	5	6	1
541-73-1	1,3-Dichlorobenzene	U	6	1.0	5	6	2
106-46-7	1,4-Dichlorobenzene	U	6	1.0	5	6	1
95-50-1	1,2-Dichlorobenzene	U	6	1.0	5	6	2
96-12-8	1,2-Dibromo-3-Chloropropane	U	6	1.0	5	6	2
120-82-1	1,2,4-Trichlorobenzene	U	6	1.0	5	6	3
17060-07-0	1,2-Dichloroethane-D4		75%				
2037-26-5	Toluene-D8		76%				
460-00-4	P-Bromofluorobenzene		71%				
1868-53-7	Dibromofluoromethane		74%				

Page 02 of 02 Z1670.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 13:06
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 64.6

Lab ID: WW5510-4
Client ID: SA-SD-204-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	7	1.0	5	7	1
74-87-3	Chloromethane	U	7	1.0	5	7	2
75-01-4	Vinyl chloride	U	7	1.0	5	7	2
74-83-9	Bromomethane	U	7	1.0	5	7	3
75-00-3	Chloroethane	U	7	1.0	5	7	3
75-69-4	Trichlorofluoromethane	U	7	1.0	5	7	2
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	3
76-13-1	Freon-113	U	7	1.0	5	7	2
67-64-1	Acetone	J	33	1.0	25	36	19
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
79-20-9	Methyl Acetate	U	7	1.0	5	7	3
75-09-2	Methylene Chloride	U	36	1.0	25	36	3
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	1
1634-04-4	Methyl tert-butyl ether	U	7	1.0	5	7	2
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	2
540-59-0	1,2-Dichloroethylene (total)	U	15	1.0	10	15	3
78-93-3	2-Butanone	U	36	1.0	25	36	20
67-66-3	Chloroform	U	7	1.0	5	7	1
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	1
1735-17-7	Cyclohexane	U	7	1.0	5	7	2
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	2
71-43-2	Benzene	U	7	1.0	5	7	1
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	1
79-01-6	Trichloroethene	U	7	1.0	5	7	2
108-87-2	Methylcyclohexane	U	7	1.0	5	7	2
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	2
75-27-4	Bromodichloromethane	U	7	1.0	5	7	0.9
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	2
108-10-1	4-methyl-2-pentanone	U	36	1.0	25	36	8
108-88-3	Toluene	U	7	1.0	5	7	3
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	1
79-00-5	1,1,2-Trichloroethane	U	7	1.0	5	7	1
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
591-78-6	2-Hexanone	U	36	1.0	25	36	12
124-48-1	Dibromochloromethane	U	7	1.0	5	7	2
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	2
108-90-7	Chlorobenzene	U	7	1.0	5	7	1
100-41-4	Ethylbenzene	U	7	1.0	5	7	1
	m+p-Xylenes	U	15	1.0	10	15	6
95-47-6	o-Xylene	U	7	1.0	5	7	2
1330-20-7	Xylenes (total)	U	22	1.0	15	22	8
100-42-5	Styrene	U	7	1.0	5	7	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/11/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 23-OCT-2006 13:06
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 64.6

Lab ID: WW5510-4
Client ID: SA-SD-204-1006
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	7	1.0	5	7	2
98-82-8	Isopropylbenzene	U	7	1.0	5	7	2
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	1
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	2
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	1
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	2
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	2
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	3
17060-07-0	1,2-Dichloroethane-D4		70%				
2037-26-5	Toluene-D8		74%				
460-00-4	P-Bromofluorobenzene		67%				
1868-53-7	Dibromofluoromethane		72%				

Page 02 of 02 Z1671.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 22-OCT-2006 13:19
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WG33264-2
Client ID: WG33264-Blank
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.3
74-87-3	Chloromethane	U	1	1.0	1	1	0.6
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.6
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.5
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.6
76-13-1	Freon-113	U	1	1.0	1	1	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.6
79-20-9	Methyl Acetate	U	1	1.0	1	1	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.6
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.5
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.5
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	1	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.5
1735-17-7	Cyclohexane	U	1	1.0	1	1	0.5
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.5
71-43-2	Benzene	U	1	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.4
79-01-6	Trichloroethene	U	1	1.0	1	1	0.4
108-87-2	Methylcyclohexane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.5
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.3
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.3
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	3	1.0	3	3	1
100-42-5	Styrene	U	1	1.0	1	1	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 22-OCT-2006 13:19
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WG33264-2
Client ID: WG33264-Blank
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	1	1.0	1	1	0.4
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.6
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.6
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.4
1868-53-7	Dibromofluoromethane		86%				
17060-07-0	1,2-Dichloroethane-D4		69%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		86%				

Page 02 of 02 S1641.D

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 23-OCT-2006 11:12
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 100

Lab ID: WG33288-2
Client ID: WG33288-Blank
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	1
74-87-3	Chloromethane	U	5	1.0	5	5	1
75-01-4	Vinyl chloride	U	5	1.0	5	5	2
74-83-9	Bromomethane	U	5	1.0	5	5	2
75-00-3	Chloroethane	U	5	1.0	5	5	2
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	1
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	1
67-64-1	Acetone	U	25	1.0	25	25	13
75-15-0	Carbon Disulfide	U	5	1.0	5	5	1
79-20-9	Methyl Acetate	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	4	1.0	25	25	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	2
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	1
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
78-93-3	2-Butanone	U	25	1.0	25	25	14
67-66-3	Chloroform	U	5	1.0	5	5	1.0
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1.0
1735-17-7	Cyclohexane	U	5	1.0	5	5	1
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	1
71-43-2	Benzene	U	5	1.0	5	5	0.9
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.9
79-01-6	Trichloroethene	U	5	1.0	5	5	2
108-87-2	Methylcyclohexane	U	5	1.0	5	5	2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	1
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.6
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	1
108-10-1	4-methyl-2-pentanone	J	5	1.0	25	25	5
108-88-3	Toluene	U	5	1.0	5	5	2
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	1.0
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.8
127-18-4	Tetrachloroethene	U	5	1.0	5	5	2
591-78-6	2-Hexanone	U	25	1.0	25	25	8
124-48-1	Dibromochloromethane	U	5	1.0	5	5	2
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	1
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
	m+p-Xylenes	U	10	1.0	10	10	4
95-47-6	o-Xylene	U	5	1.0	5	5	2
1330-20-7	Xylenes (total)	U	15	1.0	15	15	5
100-42-5	Styrene	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 23-OCT-2006 11:12
Report Date: 11/01/2006
Matrix: SOIL
% Solids: 100

Lab ID: WG33288-2
Client ID: WG33288-Blank
SDG: WW5510
Extracted by:
Extraction Method: SW846 5035
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG33288
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	2
98-82-8	Isopropylbenzene	U	5	1.0	5	5	1
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.9
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	1
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	2
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	2
17060-07-0	1,2-Dichloroethane-D4		76%				
2037-26-5	Toluene-D8		73%				
460-00-4	P-Bromofluorobenzene		73%				
1868-53-7	Dibromofluoromethane		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/04/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 16:08
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-5
Client ID: TB-100406
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.3
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.6
74-83-9	Bromomethane	U	5	1.0	5	5	0.6
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.6
76-13-1	Freon-113	U	5	1.0	5	5	0.6
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.6
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.8
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.6
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.5
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.5
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.8
78-93-3	2-Butanone	U	5	1.0	5	5	3
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.5
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.5
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.5
71-43-2	Benzene	U	5	1.0	5	5	0.5
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.4
79-01-6	Trichloroethene	U	5	1.0	5	5	0.4
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.2
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.4
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.4
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.4
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.5
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.6
591-78-6	2-Hexanone	U	5	1.0	5	5	2
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.3
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.3
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	1
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 004 NWIRP Calverton
PO No:
Sample Date: 10/04/06
Received Date: 10/14/06
Extraction Date:
Analysis Date: 22-OCT-2006 16:08
Report Date: 11/01/2006
Matrix: WATER
% Solids: NA

Lab ID: WW5510-5
Client ID: TB-100406
SDG: WW5510
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG33264
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.4
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.6
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.4
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.6
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.4
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		68%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		85%				

Page 02 of 02 S1646.D

APPENDIX B

SURVEY NOTES

Corrected Well ID.

NWIRP Calverton, New York

Monitoring Well	Northing	Easting	Elev. @ Top Of Casing	Ground Elevation
ET-MW01S	272723.82	1319219.58	47.60	45.22
ET-MW02S	272738.87	1319326.48	47.03	44.55
ET-MW03S	272862.29	1319402.00	47.86	45.31
SA-MW-126S	271463.06	1319725.00	39.90	37.40
SA-MW-126I	271465.21	1319714.73	40.05	37.54
SA-MW-126D	271466.35	1319704.93	40.13	37.44
SA-MW-127S	271426.28	1320603.80	40.62	38.38
SA-MW-127I	271425.84	1320597.18	40.84	38.51
SA-MW-127D	271425.16	1320587.46	40.70	38.61
SA-MW-128S	271422.53	1322008.51	40.53	38.26
SA-MW-128I	271416.43	1321999.47	41.00	38.59
SA-MW-128D	271412.70	1321990.73	40.74	38.39
SA-MW-129S	271403.54	1322926.20	51.99	49.75
SA-MW-129I	271402.88	1322934.81	52.23	49.92
SA-MW-129D	271402.34	1322941.91	52.26	50.02
SA-PZ-122S	270910.39	1322943.37	43.80	41.16
SA-PZ-122I	270917.45	1322940.98	43.58	41.25
SA-PZ-122D	270923.08	1322939.23	43.52	41.35
SA-PZ-123S	270448.04	1323051.40	37.04	34.50
SA-PZ-123I 1 *	270457.45	1323048.54	37.58	34.83
SA-PZ-123I ~~K~~	270467.98	1323045.79	38.09	35.26

Note: Coordinates are NAD83; Elevations are NAVD88

April 24, 2008

* Wells SA-PZ-123I & -123I 1 were field checked on May 7, 2008 by David Brayack well 123I is the northern most well.

DWB 5-28-08

APPENDIX C

SOIL BORING LOGS

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: ET-MW01S
DATE: 1-3-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0905		0					Brn	Silty FGR to MGR Sand some pebbles		moist	0	0	0	0
		2					Brn Tan	FGR to MGR Sand Trace silt + pebbles		moist	0	0	0	0
		3												
0908		4												
		5					Brn Tan	Same as above		very moist	0	0	0	0
		6												
0916	S-1	7					Brn Tan	FGR to MGR Sand Trace silt		very moist	0	0	0	0
		8	3/6		▽					wet at 8' BGS	0	0	0	0
0925		9	7/7	16"/24"						wet	0	0	0	0
		10					Brn Tan	Same as above		wet	0	0	0	0
		11												
0940	S-2	12												
		13	4/5				Tan	Same as above		wet/saturated	0	0	0	0
0948		14	7/6	17"/24"										
		15												
		16												
1002		17					Brn Tan	Same as above		saturated	0	0	0	0
		18			EOB									
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 4.25" I.D X 5' HSA used
2" X 2' Stainless split spoon with 140 pound Hammer

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: ET-MW01S

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: ET-MW02S
DATE: 1-3-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1123		0					Brn	Silty FGR to MGR Sand Some pebbles		moist	0	0	0	0
		2												
		3					Brn	Same as above		moist	0	0	0	0
1128		4												
		5					Brn Tan	FGR to MGR Sand Trace silt + pebbles		moist	0	0	0	0
		6												
1135		7												
	S-1	8	4/3		▽		Tan Brn	FGR to MGR Sand Trace silt		wet at 8' BGS	0	0	0	0
1142		9	4/4	18"/24"						wet	0	0	0	0
		10												
		11												
1310		12					Tan	Same as above		wet/saturated	0	0	0	0
	S-2	13	2/2											
1325		14	4/7	15"/24"			Tan	Same as above		Saturated	0	0	0	0
		15												
		16												
1333		17					Brn Tan	Same as above		saturated	0	0	0	0
		18			EOB									
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: 4.25" x 5' HSA used
2" x 2' stainless split spoons and 140 pound Hammer

Converted to Well: Yes ✓ No _____ Well I.D. #: ET-MW02S

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: ET-MW03S
DATE: 1-4-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0822		0					Brn	Silty FGR to MGR Sand some pebbles		moist	0	0	0	0
		2												
		3					Brn Tan	FGR to MGR Sand Trace silt + pebbles		moist	0	0	0	0
0825		4												
		5					Brn Tan	Same as above		moist	0	0	0	0
		6												
0833		7					Tan	FGR to MGR Sand Trace silt		very moist	0	0	0	0
	S-1	8	3/4							wet	0	0	0	0
0836		9	4/5	17"/24"			Tan	Same as above		wet	0	0	0	0
		10												
		11												
0852		12												
	S-2	13	2/3				Tan	FGR to MGR Sand some pebbles - Trace silt		saturated	0	0	0	0
0856		14	3/3	18"/24"										
		15					Tan	Same as above		saturated	0	0	0	0
		16												
0902		17												
		18			EOB									
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: 4.25" I.D. x 5' HSA boring
2" x 2' split spoons and 140 pound Hammer

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: ET-MW03S

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW126-$
DATE: 12-6-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1310		0			- - -		Brn	FGR to MGR Sand with Trace silt + fine pebbles		moist	0	0	0	0
		2					DK Brn	Same as above			0	0	0	0
		3												
		4												
		5			▽		DK Brn	Same as above		wet	0	0	0	0
		6												
		7												
1317		8												
		9												
		10					DK Brn	Same as above		saturated	0	0	0	0
		11												
		12												
		13												
		14												
1327		15					Brn	Same as above		saturated	0	0	0	0
		16			EOB									
		17												
		18												
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to Total depth description completed by examining cuttings brought to surface and may not be accurate to depth. 3.25" ID X 5' Augers used.

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-$

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW126-I
DATE: 12-5-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Guesi

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1409		0					Brn	FGR to MGR Sand with Trace silt + fine pebbles		moist	0	0	0	0
		2					Dk Brn	FGR to MGR Sand with some silt and fine pebbles		very moist	0	0	0	0
		3												
		4			▽		DK Brn	Same as above		wet	0	0	0	0
		5												
		6												
		7					DK Brn	Same as above		wet/saturated	0	0	0	0
1413		8												
		9												
		10												
		11					Brn	FGR to MGR sand Trace silt - CGR Sand - pebbles		saturated	0	0	0	0
		12												
		13												
		14												
		15												
		16					Brn	Same as above		saturated	0	0	0	0
		17												
1423		18												
		19												
		20					Light Brn	Same as above		saturated	0	0	0	0
		21												
		22												
		23												
		24												
		25					Light Brn	FGR to MGR Sand Trace silt - CGR Sand		Saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous flight HSA from 0' to 50' BGS
Description completed by examining cuttings brought to surface and may not be accurate for depth.
3.25" ID X 5' long Auger flights used.

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-I

* Hand Augering conducted from 0' to 5' BGS

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW126-I
DATE: 12-5-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan Brn	FGR to MGR Sand Trace Silt - CGR Sand		Saturated	0	0	0	0
		27												
1433		28												
		29												
		30					Tan Brn	Same as above		saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan Brn	Same as above		Saturated	0	0	0	0
		36												
		37												
1443		38												
		39												
		40					Brn	Same as above			0	0	0	0
		41												
		42												
		43												
		44												
		45					Brn	Same as above		Saturated	0	0	0	0
12-5-07		45												
		47												
1451		48												
0803		49												
12-6-07		50					Tan Brn	Same as above		Saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW126-I
DATE: 12-6-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
0819		51	5/2				Gry	Clay with Trace Silt		Saturated	0	0	0	0
		52	1/5	18"/24"		Soft								
		53			EOB									
		54												
		55												
		56												
		57												
		58												
		59												
		60												
		61												
		62												
		63												
		64												
		65												
		66												
		67												
		68												
		69												
		70												
		71												
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (See page 1)
-2" x 2' stainless split spoon sample collected from 50' to 52' BGS

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW126-0
DATE: 12-3-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1245		0					Brn	FGR to MGR sand with Trace Silt + fine pebbles		moist	0	0	0	0
		2					Gry Dk Brn	FGR to MGR sand with Trace fine pebbles		moist	0	0	0	0
		3												
1330		4					Gry Dk Brn	Same as above		very moist to wet	0	0	0	0
		5												
		6												
		7					Dk Brn	FGR to MGR Sand with some silt + fine pebbles		saturated	0	0	0	0
1332		8												
		9												
		10												
		11												
		12												
		13												
		14					Light Brn	FGR to MGR Sand Trace silt + pebbles + CGR Sand		saturated	0	0	0	0
		15												
		16												
		17												
1339		18												
		19					Light Brn	Same as above		saturated	0	0	0	0
		20												
		21												
		22												
		23												
		24												
		25					Light Brn	FGR to MGR sand with Trace silt + CGR Sand		saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: - Continuous Flight HSA to Total Depth
- description completed by examining cuttings brought to surface and may not be accurate for depth. 3.25" ID x 5' long Auger Flights used

Converted to Well: Yes ✓ No ____ Well I.D. #: SA-MW126-0

* Hand Augering conducted from 0' to 5' BGS.

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW126-D
DATE: 12-3-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Light Brn	FGR to MGR Sand Trace Silt + CGR Sand		Saturated	0	0	0	0
		27												
1348		28												
		29												
		30					Brn	Same as above		Saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Brn	Same as above		Saturated	0	0	0	0
		36								Slight Sulphur odor				
		37												
1357		38												
		39												
		40					Brn	Same as above		Saturated	0	0	0	0
		41												
		42												
		43												
		44												
		45												
		45					Brn	Same as above		Saturated	0	0	0	0
		47												
1412		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1)

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW126-D
DATE: 12-3-07 / 12-4-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Guecci

Time	Sample No. and Type or RQD *	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		51						(Poss. Clay Layer 50' to 52' based on drilling)		Saturated	0	0	0	0
		52												
		53												
		54												
		55					Brn Tan	FGR to MGR Sand Trace silt + CGR sand		Saturated	0	0	0	0
		56												
		57												
1427		58												
		59												
		60					Tan	FGR to MGR Sand Trace silt		Saturated	0	0	0	0
		61												
		62												
12-7-07		63												
1440		64					Brn Tan	Same as above		Saturated	0	0	0	0
		65												
12-4-07		66												
		67												
0755		68												
		69												
		70					Brn Tan	Same as above		Saturated	0	0	0	0
		71												
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG:

BORING No.: SA-MW126-D
DATE: 12-4-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		76					Brn Tan	FGR to MGR Sand Trace CGR Sand + Silt		Saturated	0	0	0	0
		77												
		78												
		79												
0824		80			(TMS)		Brn Tan	Same as above		Saturated	0	0	0	0
1105	S-1	81	6/9		~~EoB~~									
		82	40/50	14"/24"		very dense	Tan Brn	FGR Sand with minor Silt. Trace MGR Sand		Saturated	0	0	0	0
1122	S-2	83	18/26											
		84	25/50				Tan Brn	FGR Silty Sand with Trace MGR Sand + pebbles		saturated	0	0	0	0
		85												
		86			EoB									
		87												
		88												
		89												
		90												
		91												
		92												
		93												
		94												
		95												
		96												
		97												
		98												
		99												
		100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (See Page 1)
2" X 2' Stainless split spoons from 80' to 84' BGS

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW126-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-$
DATE: 12-11-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1258		0					DK Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	Same as above		very moist	0	0	0	0
		6												
		7			▽					wet				
1303		8												
		9												
		10					Tan Brn	Same as above		wet/saturated	0	0	0	0
		11												
		12												
		13												
		14												
1307		15					Tan Brn	Same as above		saturated	0	0	0	0
		16			EoB									
		17												
		18												
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to 15' BGS description conducted by examining cuttings brought to surface and may not be accurate to depth.

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-$

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-I
DATE: 12-11-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0819		0					Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	FGR to MGR Sand Trace silt + fine pebbles		very moist	0	0	0	0
		6												
		7			▽					wet	0	0	0	0
0823		8												
		9												
		10					Tan Brn	Same as above		wet/saturated	0	0	0	0
		11												
		12												
		13												
		14												
		15					Tan Brn	Same as above		saturated	0	0	0	0
		16												
		17												
0831		18												
		19												
		20					Tan Brn	Same as above		saturated	0	0	0	0
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to 46' BGS
description conducted by examining cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-I
DATE: 12-11-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Brn Tan	FGR to MGR Sand Trace silt - CGR Sand - pebbles		saturated	0	0	0	0
		27												
0839		28												
		29												
		30					Brn Tan	Same as above		saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan Brn	Same as above		saturated	0	0	0	0
		36												
		37												
0846		38												
		39					Tan Brn	Same as above		saturated	0	0	0	0
0859		40												
		41	4/4			soft	Tan	FGR to MGR Sand Trace silt		saturated	0	0	0	0
0910		42	36/29	16"/24"		dense								
		43												
		44												
		45					Tan Brn	Same as above		saturated	0	0	0	0
0923		46												
		47												
		48			EOB									
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1)
2"X2" stainless split spoon; sample collected from

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-D
DATE: 12-7-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Goeci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0945		0					Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	FGR to MGR Sand Trace silt + pebbles		very moist	0	0	0	0
		6												
		7								wet	0	0	0	0
0950		8												
		9												
		10					Tan Brn	Same as above		wet/saturated	0	0	0	0
		11												
		12												
		13												
		14												
		15					Tan Brn	Same as above		saturated	0	0	0	0
		16												
		17												
0957		18												
		19												
		20					Tan Brn	Same as above		saturated	0	0	0	0
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous flight HSA from 0' to 84' BGS
description conducted by examining cutting brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-D
DATE: 12-7-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan Brn	FGR to MGR Sand Trace silt, CGR Sand-pebbles		Saturated	0	0	0	0
		27												
1006		28												
		29												
		30					Tan Brn	Same as above		saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan Brn	Same as above		saturated	0	0	0	0
		36												
		37												
1014		38												
		39												
		40					Tan Brn	Same as above		saturated	0	0	0	0
		41												
		42												
		43												
		44												
		45					Tan Brn	Same as above		saturated	0	0	0	0
		45												
		47						(Possible clay zone based on drilling 4's)						
1023		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1)

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-D
DATE: 12-7-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		51					Tan Brn	FGR to MGR Sand Trace silt + CGR Sand		Saturated	0	0	0	0
		52												
		53						(possible clay zone based on drilling)						
		54												
		55					Tan Brn	Same as above		saturated	0	0	0	0
		56												
		57						(possible clay zone based on drilling)						
1031		58												
		59												
		60					Tan Brn	Same as above		Saturated	0	0	0	0
		61												
		62												
		63												
		64												
		65					Tan Brn	Same as above		Saturated	0	0	0	0
		66												
		67												
1041		68												
		69												
		70					Tan Brn	Same as above		Saturated	0	0	0	0
		71												
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW127-D
DATE: 12-7-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		76					Tan Gry Brn	FGR to MGR Sand Trace silt and CGR Sand		Saturated	0	0	0	0
		77												
1051		78												
		79												
		80					Gry Brn	Same as above		Saturated	0	0	0	0
		81												
		82												
		83												
1056		84					Gry Brn	Same as above		Saturated	0	0	0	0
		85			EOB									
		86												
		87												
		88												
		89												
		90												
		91												
		92												
		93												
		94												
		95												
		96												
		97												
		98												
		99												
		100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW127-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW128-$
DATE: 12-14-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0825		0					Olg Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	Same as above		moist	0	0	0	0
		6												
		7												
0832		8												
		9												
		10					Tan Brn	FGR to MGR Sand Trace Silt - GGR Sand - pebbles		very moist	0	0	0	0
		11			▽					wet	0	0	0	0
		12												
		13												
		14												
0840		15					Tan Brn	Same as above		wet	0	0	0	0
0850		16	1/2											
0900		17	19/17	5"/24"			Tan Brn	FGR to MGR Sand Trace silt - GGR sand		saturated	0	0	0	0
		18			EOB									
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA boring from 0' to 15' BGS descriptions completed by examining cuttings brought to surface and may not be accurate to depth! - 2"x2' split spoon collected from 15' to 17' BGS

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-$

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW128-I
DATE: 12-13-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
1100		0					Dry Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	FGR to MGR Sand some pebbles - Trace Silt		moist	0	0	0	0
		6												
		7												
1105		8												
		9												
		10					Tan Brn	FGR to MGR Sand Trace silt - CGR sand - pebbles		Very moist	0	0	0	0
		11			▽					wet	0	0	0	0
		12												
		13												
		14												
		15					Tan Brn	Same as above		wet	0	0	0	0
		16												
		17												
1111		18												
		19												
		20					Tan Brn	Same as above		wet/saturated	0	0	0	0
		21												
		22												
		23												
		24												
		25					Tan Brn	Same as above		saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous HSA boring from 0' to 40' BGS descriptions completed by examining cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW128-I
DATE: 12-13-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan Brn	FGR to MGR Sand Trace silt + pebbles		saturated	0	0	0	0
		27												
1117		28												
		29												
		30					Tan Brn	Same as above		saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan Brn	Same as above		saturated	0	0	0	0
		36												
		37												
		38												
		39												
1125		40					Tan Brn	Same as above		saturated	0	0	0	0
		41			EOB									
		42												
		43												
		44												
		45												
		46												
		47												
		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1.)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW128-D
DATE: 12-12-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0855		0					Org Brn	FGR to MGR Silty Sand Trace pebbles		moist	0	0	0	0
		2												
		3												
		4												
		5					Tan Brn	FGR to MGR Sand some pebbles - Trace silt		moist	0	0	0	0
		6												
		7												
0859		8												
		9												
		10					Tan Brn	FGR to MGR Sand Trace silt and CGR Sand and pebbles		very moist	0	0	0	0
		11												
		12			▽					wet	0	0	0	0
		13												
		14												
		15					Tan Brn	Same as above		wet	0	0	0	0
		16												
		17												
0906		18												
		19												
		20					Tan Brn	Same as above		wet/saturated	0	0	0	0
		21												
		22												
		23												
		24												
		25					Tan Brn	Same as above		saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous HSA boring from 0' to 80'
descriptions completed by examining cuttings brought to surface and may not be accurate for depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW128-D
DATE: 12-12-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan Brn	FGR to MGR Sand Trace silt - CGR Sand - pebbles		Saturated	0	0	0	0
		27												
0913		28												
		29												
		30					Tan Brn	Same as above		Saturated	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan Brn	Same as above		Saturated	0	0	0	0
		36												
		37												
0919		38												
		39												
		40					Tan Brn	Same as above		Saturated	0	0	0	0
		41												
		42						(Possible clay zone based on drilling)						
		43												
		44												
		45					Tan Brn	Same as above		Saturated	0	0	0	0
		46												
		47						(Possible clay zone based on drilling)						
		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (See page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW128-D
DATE: 12-12-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		51					Tan Brn	FGR to MGR Sand Trace Silt - CGR Sand		Saturated	0	0	0	0
		52												
		53						(Possible clay zone based on drilling)						
		54												
		55					Tan Brn	Same as above		Saturated	0	0	0	0
		56												
		57												
0927		58												
		59												
		60					Tan Brn	Same as above		Saturated	0	0	0	0
		61												
		62												
		63												
		64												
		65					Tan Brn	Same as above		Saturated	0	0	0	0
		66												
		67												
0935		68												
		69												
		70					Tan Brn	Same as above		Saturated	0	0	0	0
		71					Gry							
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (See page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW128-D
DATE: 12-12-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		76					Brn Gry	FGR to MGR Sand Trace silt - CGR Sand		Saturated	0	0	0	0
		77												
0945		78												
		79												
0950		80					Brn Gry	Same as above		Saturated	0	0	0	0
		81			EoB									
		82												
		83												
		84												
		85												
		86												
		87												
		88												
		89												
		90												
		91												
		92												
		93												
		94												
		95												
		96												
		97												
		98												
		99												
		100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW128-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW129-8
DATE: 12-19-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
1309		0					DK Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3					Tan Brn	FGR to MGR Sand Trace silt-pebbles		moist	0	0	0	0
		4												
		5					Tan Brn	Same as above		moist	0	0	0	0
		6												
		7												
1314		8												
		9												
		10					Tan Brn	Same as above		moist	0	0	0	0
		11												
		12												
		13												
		14												
		15					Tan Brn	FGR to MGR Sand Trace silt		very moist	0	0	0	0
		16												
		17												
1319		18												
		19												
		20					Tan	Same as above		very moist	0	0	0	0
		21												
		22												
		23												
		24												
		25					Tan	Same as above		very moist	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to 30' BGS
Description completed by observing cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-8

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW129-$
DATE: 12-19-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan	FGR to MGR Sand Trace Silt		very moist	0	0	0	0
		27												
		28												
		29												
1325		30					Tan	Same as above		very moist to wet	0	0	0	0
		31			EOB									
		32												
		33												
		34												
		35												
		36												
		37												
		38												
		39												
		40												
		41												
		42												
		43												
		44												
		45												
		45												
		47												
		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1.)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-$

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW129-I
DATE: 12-19-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0823		0					DK Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3					Tan Brn	FGR to MGR Sand Trace silt - pebbles		moist	0	0	0	0
		4												
		5					Tan Brn	Same as above		moist	0	0	0	0
		6												
		7												
0827		8												
		9												
		10					Tan Brn	Same as above		moist	0	0	0	0
		11												
		12												
		13												
		14												
		15					Tan	FGR to MGR Sand Trace silt		very moist	0	0	0	0
		16												
		17												
0834		18												
		19												
		20					Tan	Same as above		very moist	0	0	0	0
		21												
		22												
		23												
		24												
		25					Tan	Same as above		very moist	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA From 0' to 60' BGS
Description completed by examining cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW129-I
DATE: 12-19-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Guaci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan	FGR to MGR Sand Trace silt		Very moist	0	0	0	0
		27												
0841		28												
		29			▽					wet	0	0	0	0
		30					Tan	Same as above		wet	0	0	0	0
		31												
		32												
		33												
		34												
		35					Tan	Same as above		wet	0	0	0	0
		36												
		37												
0848		38												
		39												
		40					Tan	Same as above		wet	0	0	0	0
		41												
		42												
		43												
		44												
		45					Brn Tan	Same as above		wet/saturated	0	0	0	0
		45												
		47												
0854		48												
		49												
		50					Brn Tan	Same as above		saturated	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW129-I
DATE:
GEOLOGIST: Vince Shickora
DRILLER: Jason Groeci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		51					Tan Brn	FGR to MGR Sand Trace Silt		saturated	0	0	0	0
		52												
		53												
		54												
		55					Tan Brn	Same as above		saturated	0	0	0	0
		56												
		57												
		58												
		59												
0900		60					Tan Brn	Same as above		saturated	0	0	0	0
		61			EOB									
		62												
		63												
		64												
		65												
		66												
		67												
		68												
		69												
		70												
		71												
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-10

BORING No.: SA-MW129-D
DATE: 12-17-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0830		0					Dk Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3					Tan Brn	FGR to MGR Sand Trace silt - pebbles		moist	0	0	0	0
		4												
		5					Tan Brn	Same as above		moist	0	0	0	0
		6												
		7												
0834		8												
		9												
		10					Tan Brn	Same as above		very moist	0	0	0	0
		11												
		12												
		13												
		14												
		15					Tan	FGR to MGR Sand Trace silt		very moist	0	0	0	0
		16												
		17												
0841		18												
		19												
		20					Tan	Same as above		very moist	0	0	0	0
		21												
		22												
		23												
		24												
		25					Tan	Same as above		very moist	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to 80' BGS descriptions completed by observing cuttings brought to surface and may not be accurate to depth.

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW129-D
DATE: 12-17-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Tan	F-R to M-R Sand Trace silt		very moist	0	0	0	0
		27												
0847		28												
		29												
		30					Tan	Same as above		very moist	0	0	0	0
		31												
		32												
		33												
		34												
		35			▽		Tan	Same as above		wet	0	0	0	0
		36												
		37												
0854		38												
		39												
		40					Tan	Same as above		wet	0	0	0	0
		41												
		42												
		43												
		44												
		45						(Possible clay based on drilling)		wet	0	0	0	0
		46					Tan Brn	Same as above		wet	0	0	0	0
		47												
0900		48						(Possible clay based on drilling)		wet	0	0	0	0
		49												
-0		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (See page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-D

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW 129-0
DATE: 12-17-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Goeci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		51					Tan Brn	FGR to MGR Sand Trace Silt		wet/saturated	0	0	0	0
		52												
		53												
		54												
0905		55					Tan Brn	Same as above		wet/saturated	0	0	0	0
		56												
		57												
0907		58												
		59												
		60					Tan Brn	Same as above		saturated	0	0	0	0
		61						(Possible clay based) on drilling		saturated	0	0	0	0
		62												
		63												
		64												
		65					Tan Brn	Same as above		saturated	0	0	0	0
		66												
		67												
0913		68												
		69												
		70					Tan Brn	Same as above		saturated	0	0	0	0
		71												
		72												
		73												
		74												
		75												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-10

BORING No.: SA-MW129-0
DATE: 12-17-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Guecci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		76					Tan Brn	FGR to MGR Sand Trace Silt - CGR Sand		Saturated	0	0	0	0
		77												
		78												
		79												
0919		80			VAS		Tan Brn	Same as above		Saturated	0	0	0	0
1310		81			~~EOB~~									
		82												
1325	S-1	83	3/4				Brn Gry	FGR to MGR Sand Some Silt - Trace CGR Sand		Saturated	0	0	0	0
		84	10/26	12"/24"										
1335	S-2	85	3/3				Tan Brn	Same as above		Saturated	0	0	0	0
		86	4/7	16"/24"										
1346	S-3	87	2/2				Tan Brn	Same as above		Saturated	0	0	0	0
		88	3/3	15"/24"										
1358	S-4	89	3/7				Tan Brn	Same as above		Saturated	0	0	0	0
		90	6/8	15"/24"										
1409	S-5	91	12/3				Gry	Sandy Silt Trace clay		Saturated	0	0	0	0
1413		92	6/8	16"/24"			Brn Red	Silty clay trace FGR Sand		Saturated				
		93			EOB									
		94												
		95												
		96												
		97												
		98												
		99												
		100												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: (see page 1)
2"X 2' stainless split spoons collected from 82' to 92' BGS

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-MW129-0

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: SA-PZ122-5
DATE: 12-20-07
GEOLOGIST: Vince Shickora
DRILLER: Tesor Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0803		0					Brn	Silty FGR to MGR Sand some pebbles		moist	0	0	0	0
		2												
		3					Brn Tan	FGR to MGR Sand Trace silt-pebbles		moist	0	0	0	0
0806		4												
		5					Brn Tan	Same as above		moist	0	0	0	0
		6												
		7												
		8												
0810		9												
		10					Brn Tan	Same as above		moist	0	0	0	0
		11												
		12												
		13												
0815		14												
		15					Brn Tan	Same as above		very moist	0	0	0	0
		16												
		17			▽		Brn Tan	Same as above		wet	0	0	0	0
		18												
0820		19												
		20					Brn Tan	Same as above		wet	0	0	0	0
		21												
0825		22					Brn Tan	Same as above		wet	0	0	0	0
		23			EOB									
		24					Brn Tan	~~Same as above~~ VAS		~~saturated~~ VAS	0	0	0	0
		25					Brn Tan	~~Same as above~~		~~saturated~~	0	0	0	0

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to Total depth
Description completed by observing cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-PZ122-5

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: SA-PZ122-I
DATE: 12-20-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0938		0					Brn	Silty FGR to MGR Sand some pebbles		moist	0	0	0	0
		2												
		3												
		4					Brn Tan	FGR to MGR Sand Trace silt - pebbles		moist	0	0	0	0
0942		5												
		6												
		7					Brn Tan	Same as above		moist	0	0	0	0
		8												
0948		9												
		10					Brn Tan	Same as above		very moist	0	0	0	0
		11												
		12												
		13												
0953		14					Tan Brn	Same as above		very moist	0	0	0	0
		15												
		16												
		17					Tan Brn	Same as above		wet	0	0	0	0
		18												
0957		19												
		20					Tan Brn	Same as above		wet	0	0	0	0
		21												
		22												
		23												
1003		24					Brn Tan	Same as above		Saturated	0	0	0	0
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to 49' BGS
Description completed by observing cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-PZ122-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-7

BORING No.: SA-PZ122-I
DATE: 12-20-07
GEOLOGIST: Vince Shickora
DRILLER: Jason Greci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	MATERIAL DESCRIPTION: Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm): Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Brn Tan	FGR to MGR Sand Trace silt - pebbles		saturated	0	0	0	0
		27												
		28												
1008		29					Brn Tan	Same as above		saturated	0	0	0	0
		30												
		31												
		32												
		33												
1012		34					Brn Tan	Same as above		saturated	0	0	0	0
		35												
		36												
		37												
		38												
1016		39					Brn Tan	Same as above		saturated				
		40												
		41												
		42												
		43												
1020		44					Brn Tan	Same as above		saturated	0	0	0	0
		45												
		45												
		47												
		48												
1024		49					Brn Tan	Same as above		saturated	0	0	0	0
		50			EOB									

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-PZ122-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: SA-PZ123-8
DATE: 1-2-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gucci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0248		0					Brn	Silty FGR to MGR Sand Trace pebbles		moist	0	0	0	0
		2												
		3					Brn Tan	FGR to MGR Sand Trace silt + pebbles		moist	0	0	0	0
1252		4												
		5					Brn Tan	Same as above		moist	0	0	0	0
		6												
		7												
		8												
1256		9												
		10					Brn Tan	Same as above		very moist	0	0	0	0
		11			▽					wet	0	0	0	0
		12												
		13												
		14												
		15					Brn Tan	Same as above		saturated	0	0	0	0
		16												
1303		17					Brn Tan	Same as above		saturated	0	0	0	0
		18			EOB									
		19												
		20												
		21												
		22												
		23												
		24												
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous flight HSA from 0' to Total depth. Description completed by observing cuttings brought to surface and may not be accurate to depth.

Converted to Well: Yes ✓ No ____ Well I.D. #: SA-PZ123-8

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: Failing F-7

BORING No.: SA-PZ1231-I
DATE: 1-2-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
0840		0					Brn	Silty FGR to MGR Sand with Trace pebbles		moist	0	0	0	0
		2												
		3					Brn Tan	FGR to MGR Sand Trace silt + pebbles		moist	0	0	0	0
0843		4												
		5					Brn Tan	Same as above		moist	0	0	0	0
		6												
		7												
		8												
0848		9												
		10					Brn Tan	Same as above		very moist to wet	0	0	0	0
		11			▽					wet	0	0	0	0
		12												
		13												
0853		14												
		15					Brn Tan	Same as above		wet	0	0	0	0
		16												
		17												
		18												
0857		19												
		20					Brn Tan	Same as above		saturated	0	0	0	0
		21												
		22												
		23												
0902		24					Brn Tan	Same as above		saturated	0	0	0	0
		25												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Drilling Area Background (ppm): 0

Remarks: Continuous Flight HSA from 0' to Total depth description completed by observing cuttings brought to surface and may not be accurate to depth

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-PZ123-I

Tetra Tech NUS, Inc.

BORING LOG

PROJECT NAME: NWIRP Calverton
PROJECT NUMBER: 112G00903
DRILLING COMPANY: DELTA
DRILLING RIG: F-7

BORING No.: SA-PZ1231-I
DATE: 1-2-08
GEOLOGIST: Vince Shickora
DRILLER: Jason Gueci

Time	Sample No. and Type or RQD	Depth (Ft.) or Run No.	Blows / 6" or RQD (%)	Sample Recovery / Sample Length	Lithology Change (Depth/Ft.) or Screened Interval	Soil Density/ Consistency or Rock Hardness	Color	Material Classification	USCS *	Remarks	PID/FID Reading (ppm) Sample	Sampler BZ	Borehole**	Driller BZ**
		26					Brn Tan	FGR to MGR Sand Trace silt + pebbles		saturated	0	0	0	0
		27												
		28												
0906		29												
		30					Brn Tan	Same as above		saturated	0	0	0	0
		31												
		32												
		33												
0910		34												
		35					Brn Tan	Same as above		saturated	0	0	0	0
		36												
		37												
		38												
0914		39												
		40					Brn Tan	Same as above		saturated	0	0	0	0
		41												
0917		42					Brn Tan	Same as above		saturated	0	0	0	0
		43			EOB									
		44												
		45												
		46												
		47												
		48												
		49												
		50												

* When rock coring, enter rock brokeness.

** Include monitor reading in 6 foot intervals @ borehole. Increase reading frequency if elevated reponse read.

Remarks: (see page 1)

Drilling Area Background (ppm): 0

Converted to Well: Yes ✓ No _____ Well I.D. #: SA-PZ123-I

APPENDIX D

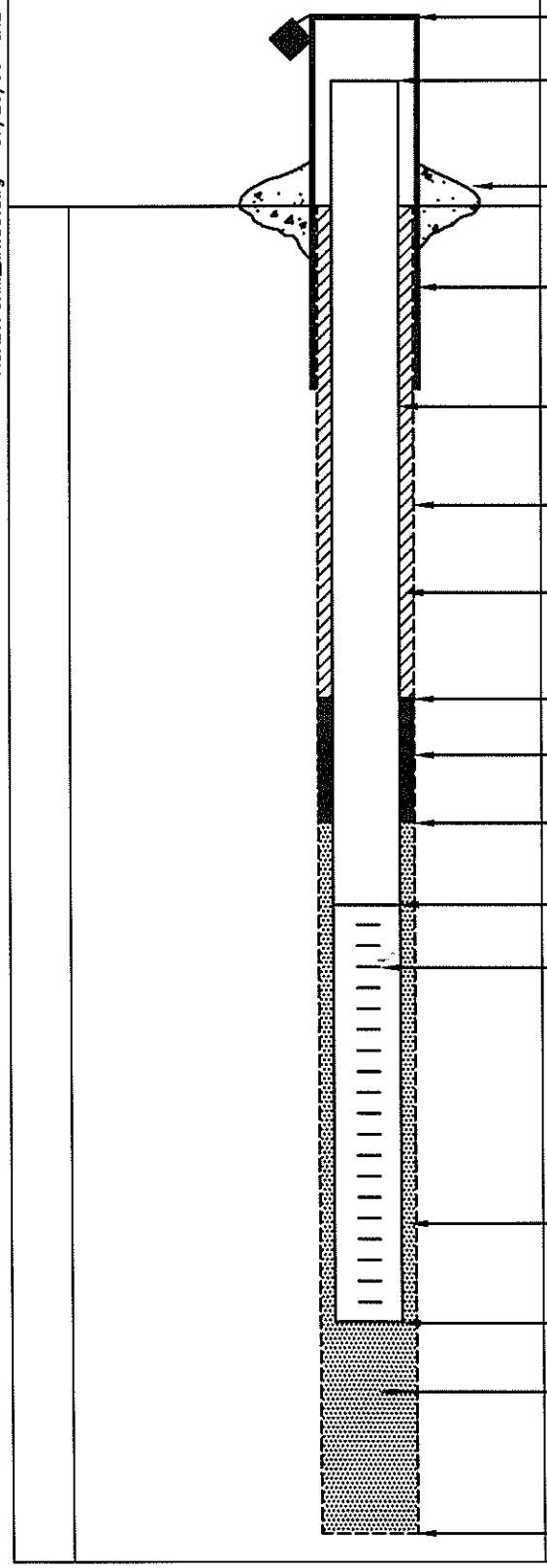
MONITORING WELL CONSTRUCTION SHEETS

WELL NO.: ET-MW01S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Engine Test House	DRILLER Jason Guecci
PROJECT NO. CTO-449	BORING ET-MW01S	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 1-3-08	DATE COMPLETED 1-3-08	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Natural formation Sand

ELEVATION/DEPTH TOP OF SEAL: /3'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: /7'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: /17'

ELEVATION/DEPTH BOTTOM OF SAND PACK: /17'
BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: /17'

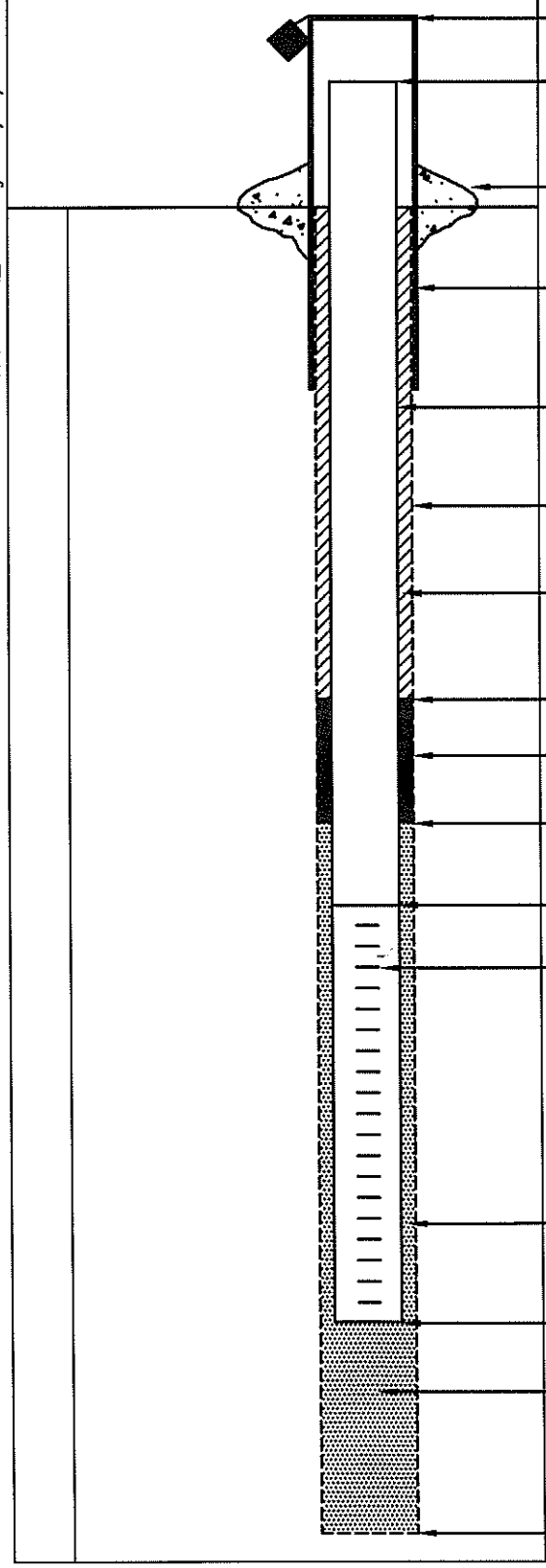
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: ET-MW02-S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Engine Test House	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING ET-MW02-S	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 1-3-08	DATE COMPLETED 1-3-08	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: 1

ELEVATION/HEIGHT OF TOP OF RISER PIPE: 1

TYPE OF SURFACE SEAL: Concrete apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Natural Formation Sand

ELEVATION/DEPTH TOP OF SEAL: 13'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: 17'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 17'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 17'
BACKFILL MATERIAL BELOW SAND: Natural Formation Material

ELEVATION/DEPTH OF HOLE: 17'

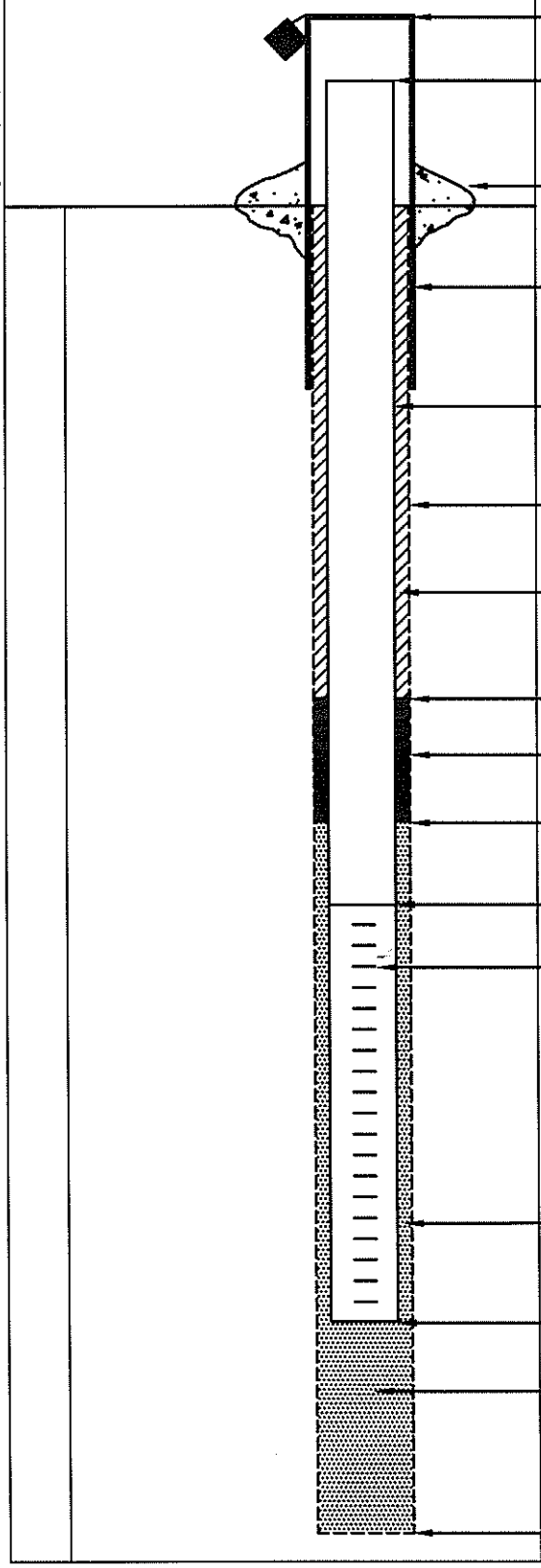
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: ET-MW03$

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Engine Test House	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING ET-MW03$	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 1-4-08	DATE COMPLETED 1-4-08	
FIELD GEOLOGIST Vince Shrickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: 1

ELEVATION/HEIGHT OF TOP OF RISER PIPE: 1

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Natural Formation Sand

ELEVATION/DEPTH TOP OF SEAL: 13'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: 17'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 17'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 17'
BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 17'

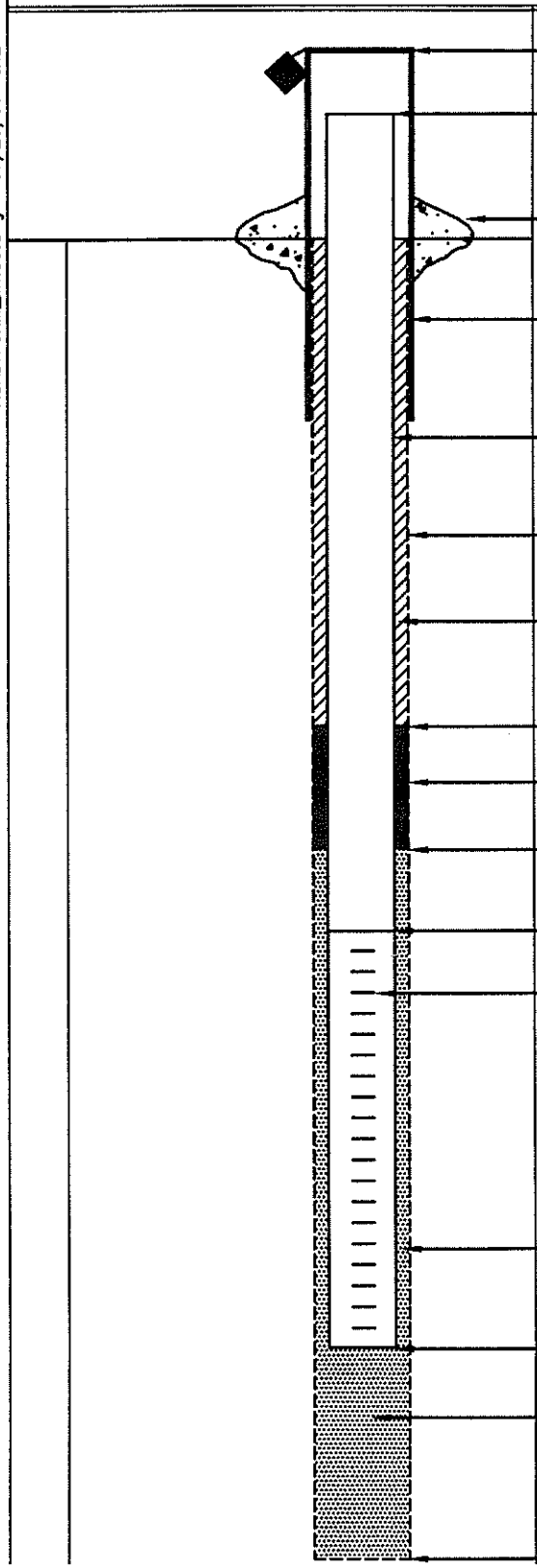
ACAD:FORM_MWSU.dwg 07/28/99 INL

WELL NO.: SA-MW126-$

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW126-$	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-6-07	DATE COMPLETED 12-6-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: NA

ELEVATION/DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 4'

ELEVATION/DEPTH TOP OF SCREEN: 15'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 15'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 15'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: 15'

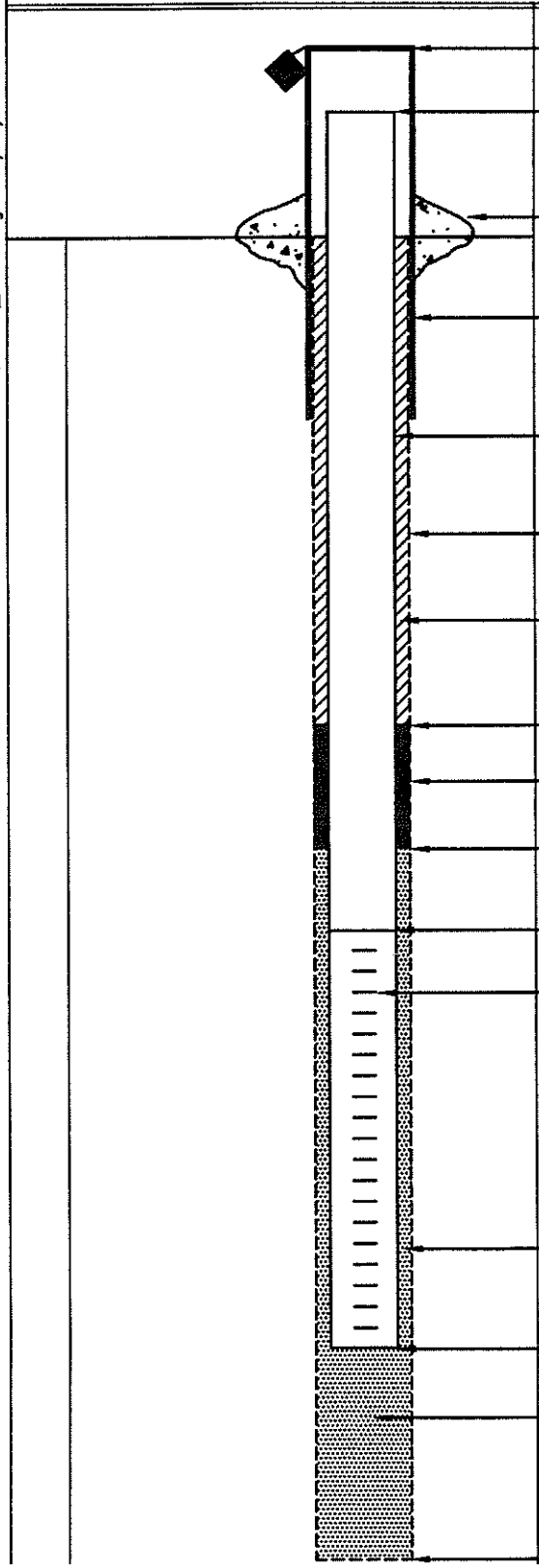
ACAD:FORM_MWSU.dwg 07/28/99 INL

WELL NO.: SA-MW126-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW126-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-6-07	DATE COMPLETED	DEVELOPMENT METHOD
FIELD GEOLOGIST Vince Shickora		
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 135'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 38'

ELEVATION/DEPTH TOP OF SCREEN: 140'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 150'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 152'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 152'

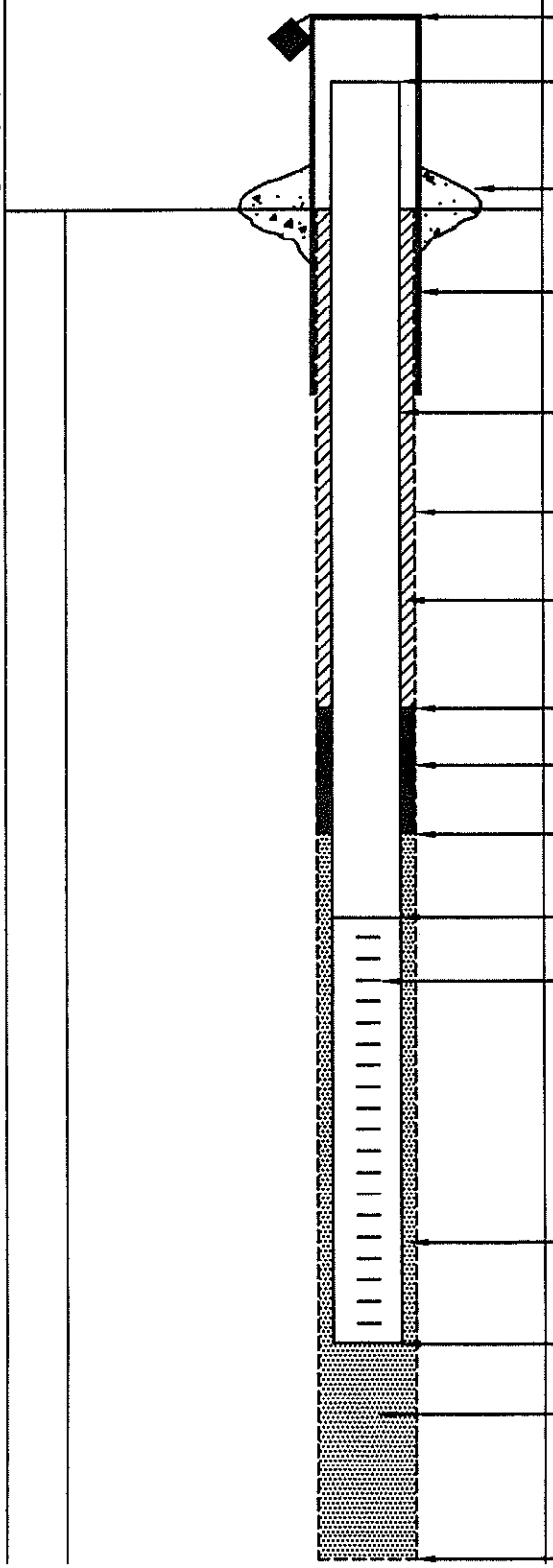
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW126-D

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW126-D	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-4-07	DATE COMPLETED 12-4-07	
FIELD GEOLOGIST Vinie Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement / Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 168'

TYPE OF SEAL: 3/8" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 72'

ELEVATION/DEPTH TOP OF SCREEN: 174'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 184'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 185'

BACKFILL MATERIAL BELOW SAND: #Natural formation

ELEVATION/DEPTH OF HOLE: 185'

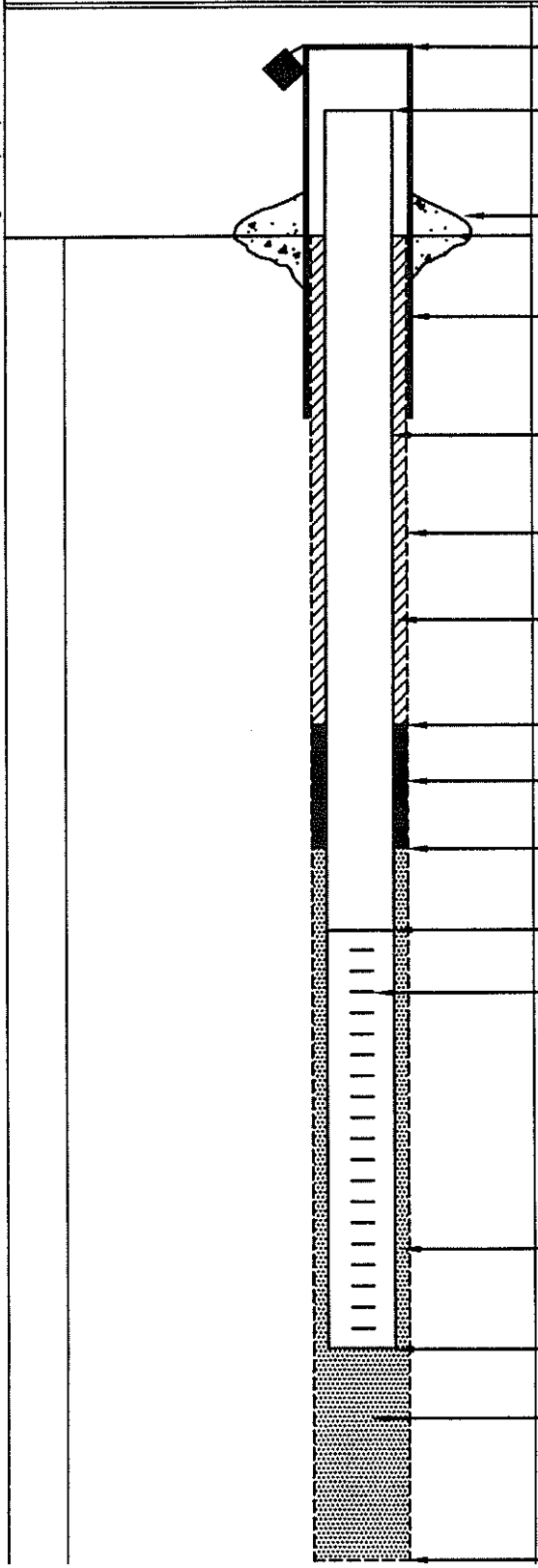
ACAD: FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW127-8

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW127-8	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-11-07	DATE COMPLETED 12-11-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: 1

ELEVATION/HEIGHT OF TOP OF RISER PIPE: 1

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: NA

ELEVATION/DEPTH TOP OF SEAL: 1.5'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 4'

ELEVATION/DEPTH TOP OF SCREEN: 5'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 15'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 15'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 15'

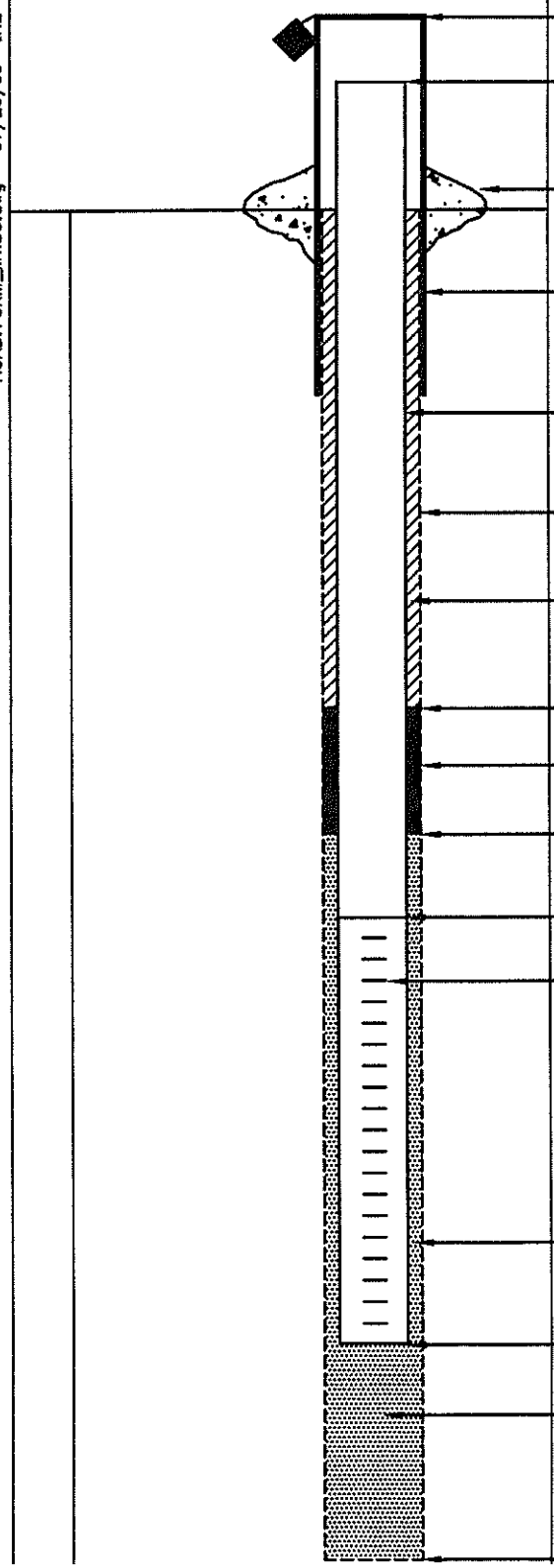
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW127-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW127-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-11-07	DATE COMPLETED 12-11-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 130'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 34'

ELEVATION/DEPTH TOP OF SCREEN: 136'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 146'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 147'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 147'

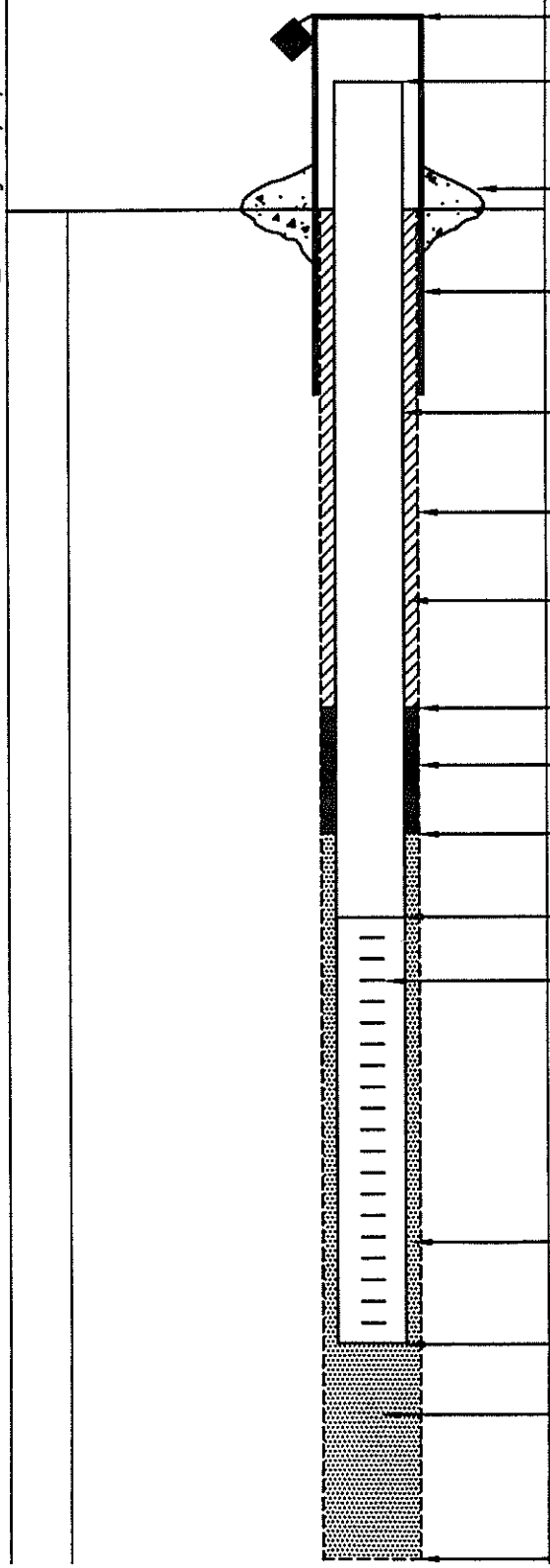
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW127-D

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gueci
PROJECT NO. CTO-449	BORING SA-MW127-D	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-10-07	DATE COMPLETED 12-10-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 163'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 66'

ELEVATION/DEPTH TOP OF SCREEN: 168'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 178'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 183'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 183'

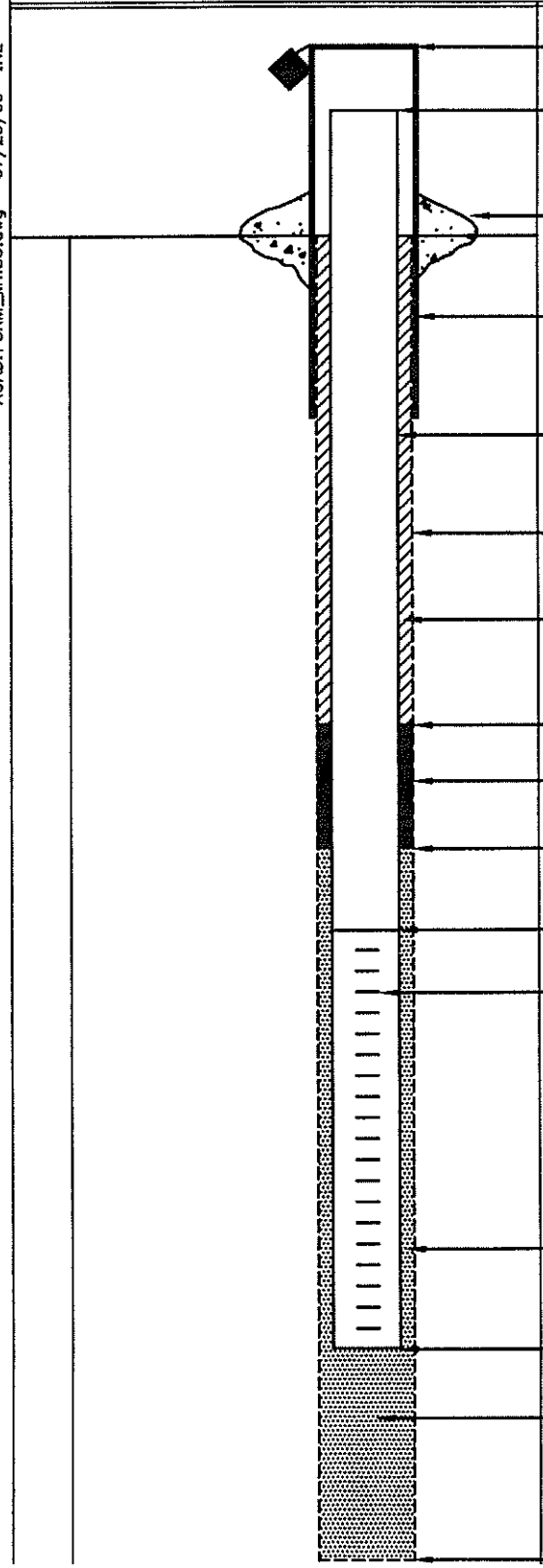
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW128-$

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT UWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW128-$	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-14-07	DATE COMPLETED 12-14-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Sand

ELEVATION/DEPTH TOP OF SEAL: 12'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: 17'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 17'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 17'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: 17'

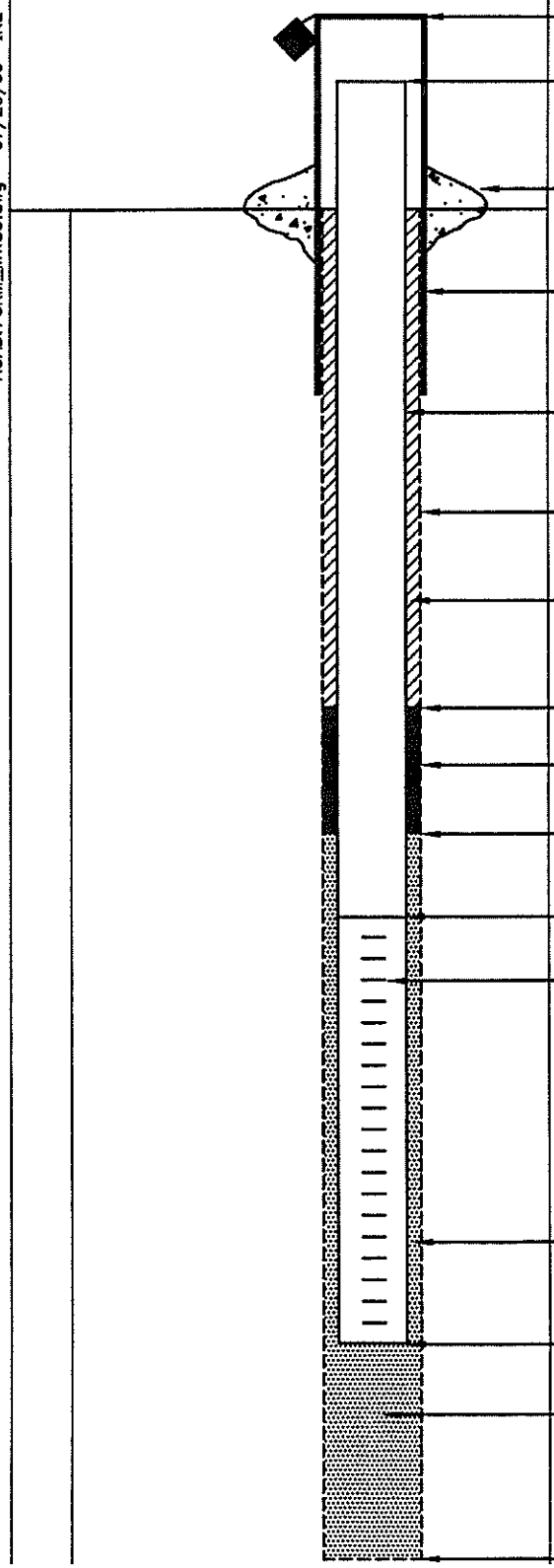
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW128-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gueci
PROJECT NO. CTO-449	BORING SA-MW128-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-13-07	DATE COMPLETED 12-13-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 125'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 28'

ELEVATION/DEPTH TOP OF SCREEN: 130'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 140'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 140'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: 140'

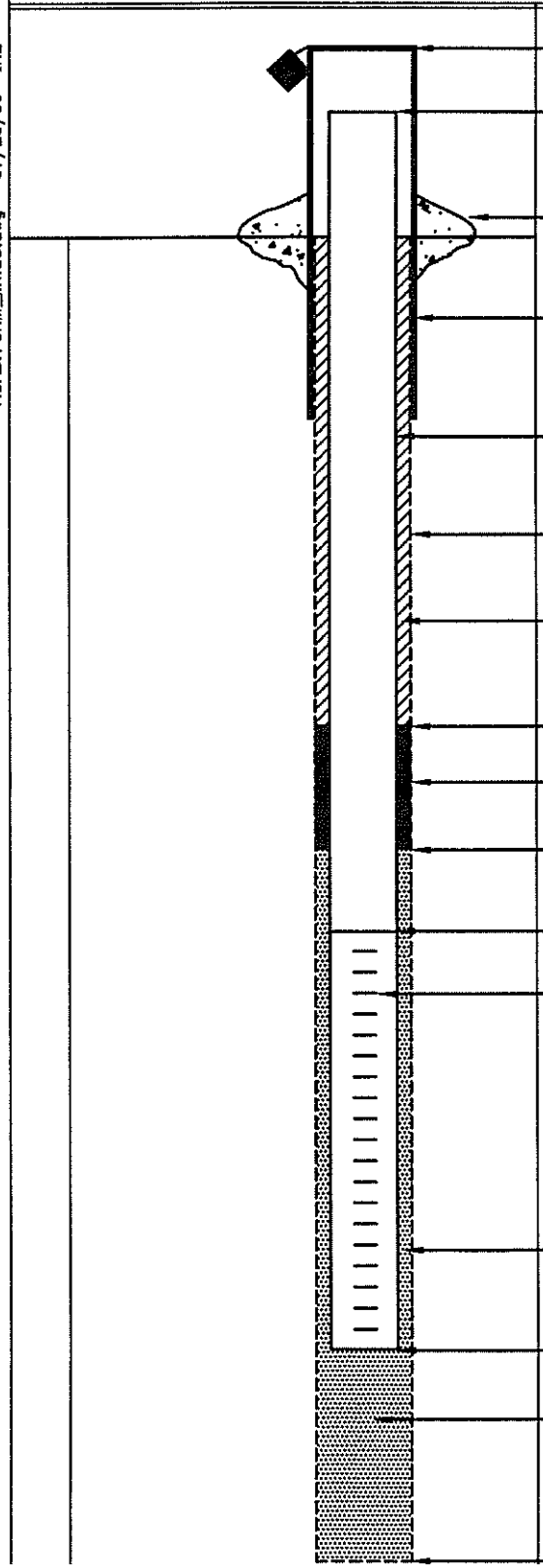
ACAD:FORM_MWSU.dwg 07/28/99 INL

WELL NO.: SA-MW128-D

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW128-D	DRILLING METHOD Hollow Stem Auger
DATE BEGUN	DATE COMPLETED	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete pad

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 152'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 56'

ELEVATION/DEPTH TOP OF SCREEN: 158'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 168'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 180'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: 180'

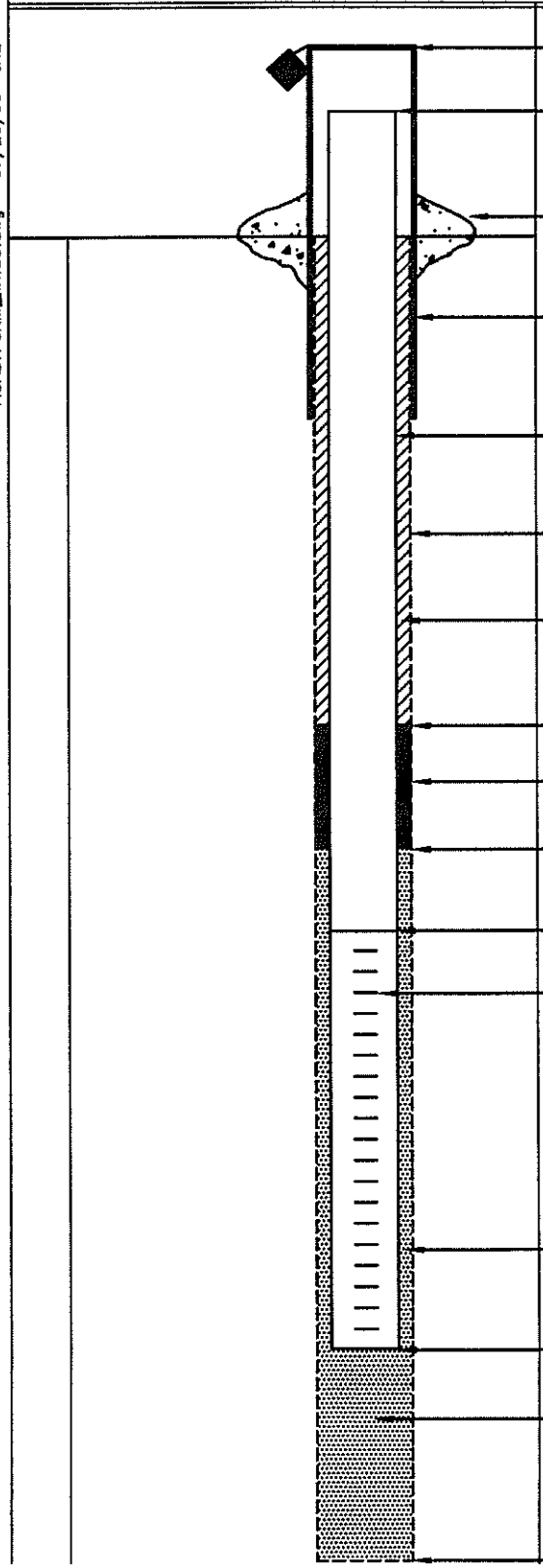
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW129-$

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Goeci
PROJECT NO. CTO-449	BORING SA-MW129-$	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-19-07	DATE COMPLETED 12-19-07	
FIELD GEOLOGIST Vince Shickosa		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: 1

ELEVATION/HEIGHT OF TOP OF RISER PIPE: 1

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 114'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 17.5'

ELEVATION/DEPTH TOP OF SCREEN: 119.5'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 129.5'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 130'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: 130'

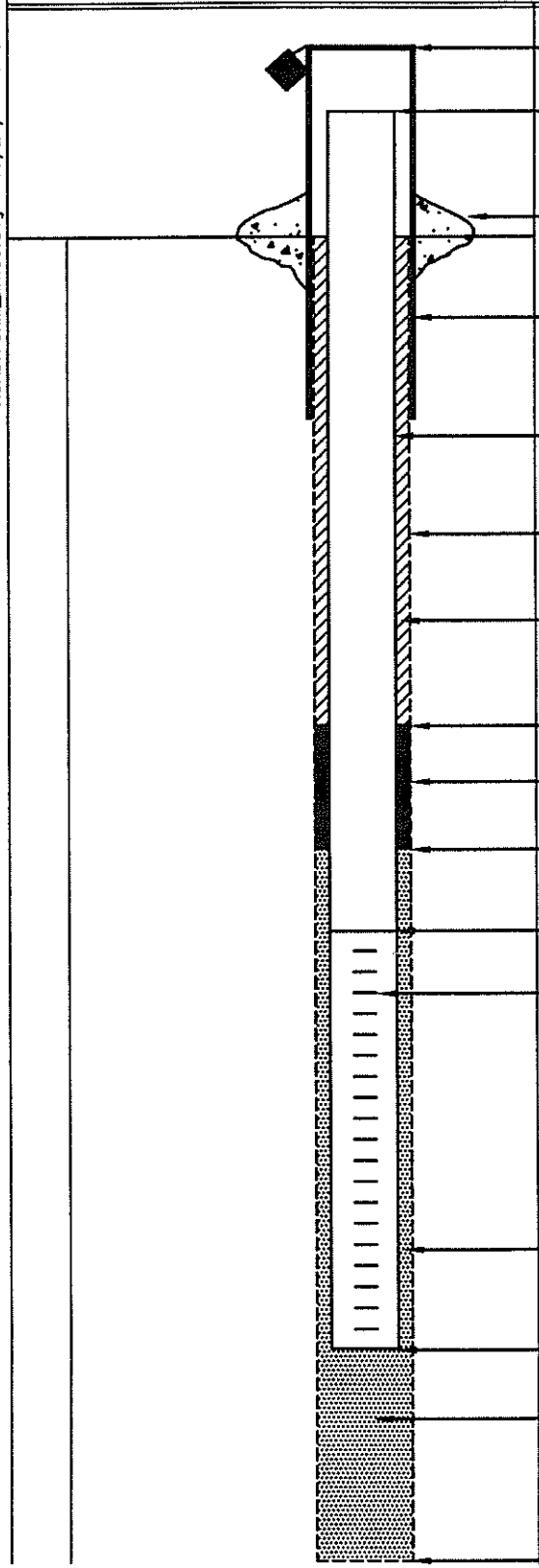
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW129-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Guaci
PROJECT NO. CTO-449	BORING SA-MW129-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-19-07	DATE COMPLETED 12-19-07	
FIELD GEOLOGIST Vince Shickosa		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: /44'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 48'

ELEVATION/DEPTH TOP OF SCREEN: /50'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: /60'

ELEVATION/DEPTH BOTTOM OF SAND PACK: /60'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: /60'

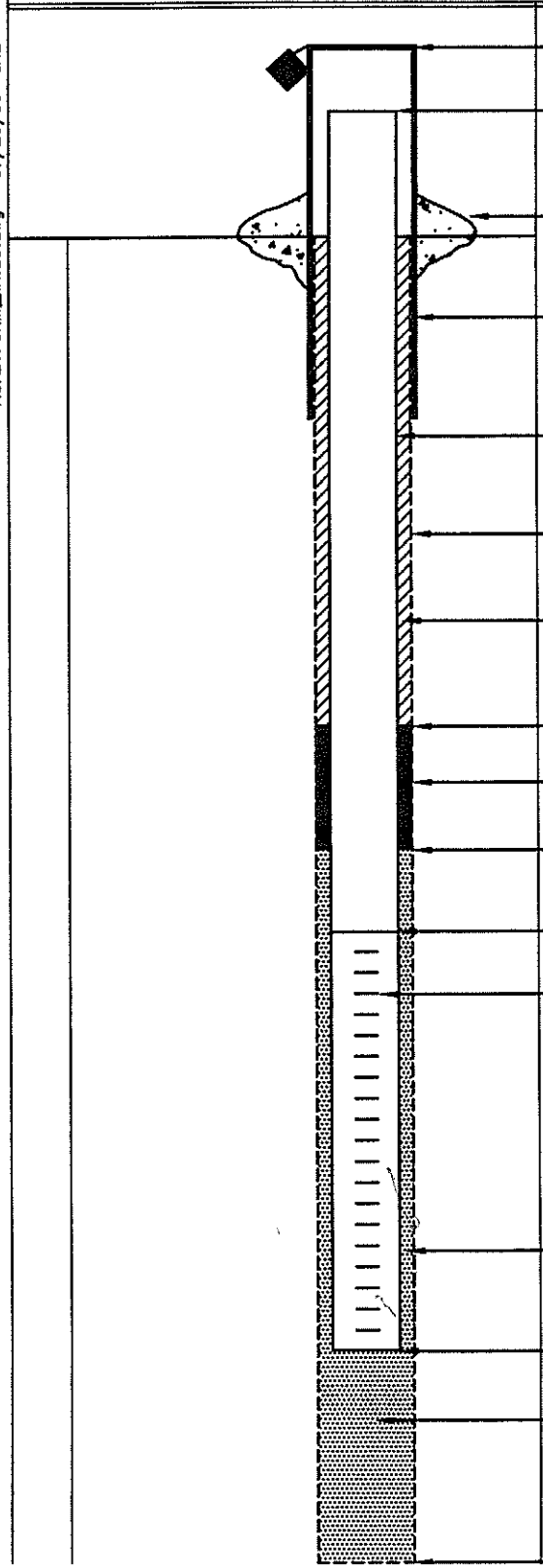
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-MW129-D

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-MW129-D	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-17-07	DATE COMPLETED 12-18-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement / Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: /75'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 78'

ELEVATION/DEPTH TOP OF SCREEN: /80'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: /90'

ELEVATION/DEPTH BOTTOM OF SAND PACK: /92'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: /92'

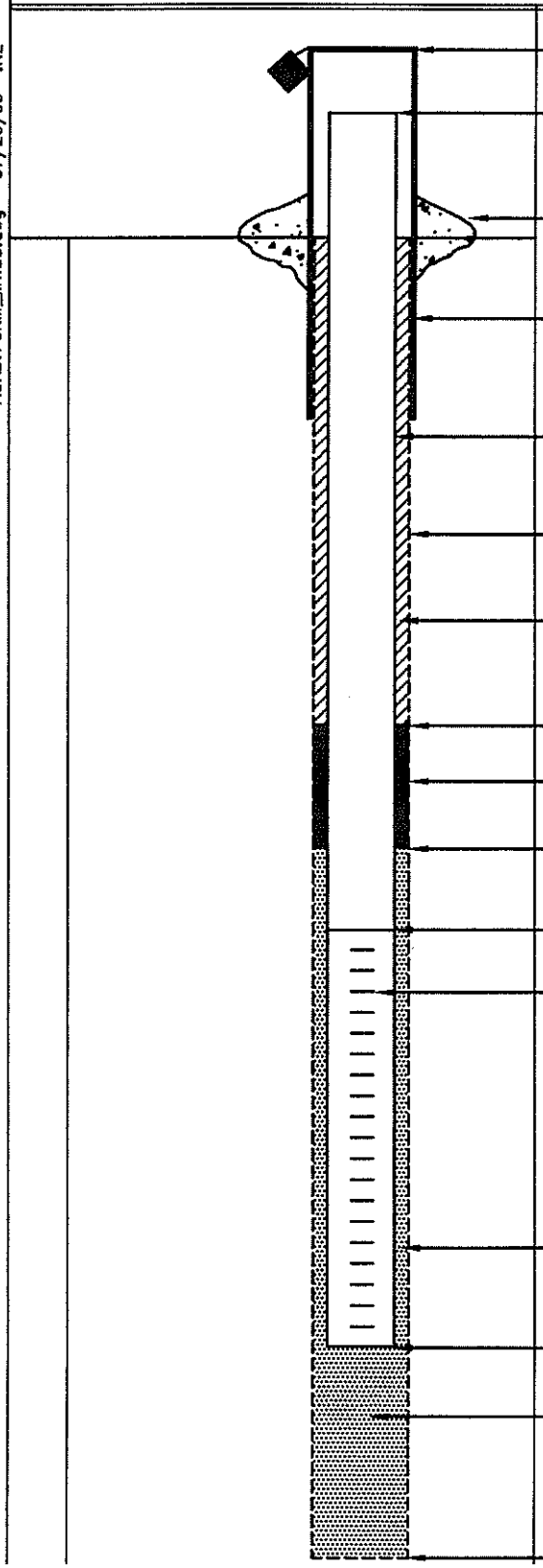
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ122-$

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Guesi
PROJECT NO. CTO-449	BORING SA-PZ122-$	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-21-07	DATE COMPLETED 12-21-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: /6'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 10'

ELEVATION/DEPTH TOP OF SCREEN: /12'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 2 inch

I.D. OF SCREEN: 0.02" X 10'

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: /22'

ELEVATION/DEPTH BOTTOM OF SAND PACK: /22'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: /22'

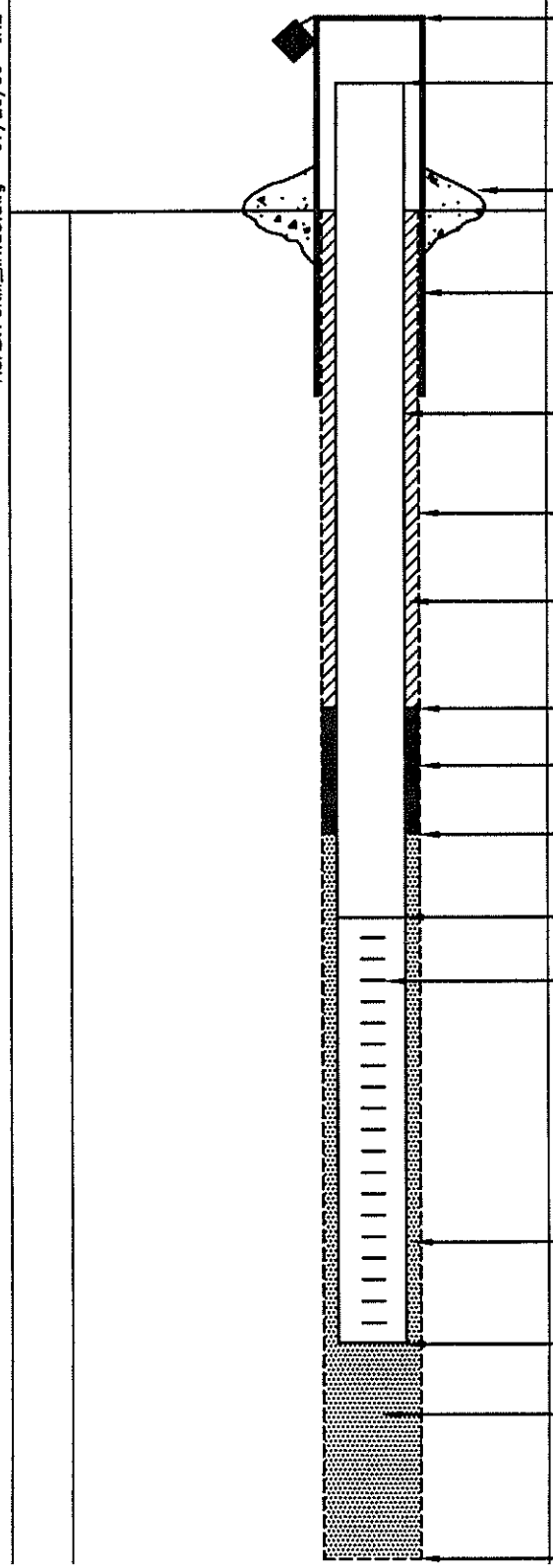
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ122-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWERP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-PZ122-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 12-20-07	DATE COMPLETED 12-20-07	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: /33'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 37'

ELEVATION/DEPTH TOP OF SCREEN: /39'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" x 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: /49'

ELEVATION/DEPTH BOTTOM OF SAND PACK: /49'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: /49'

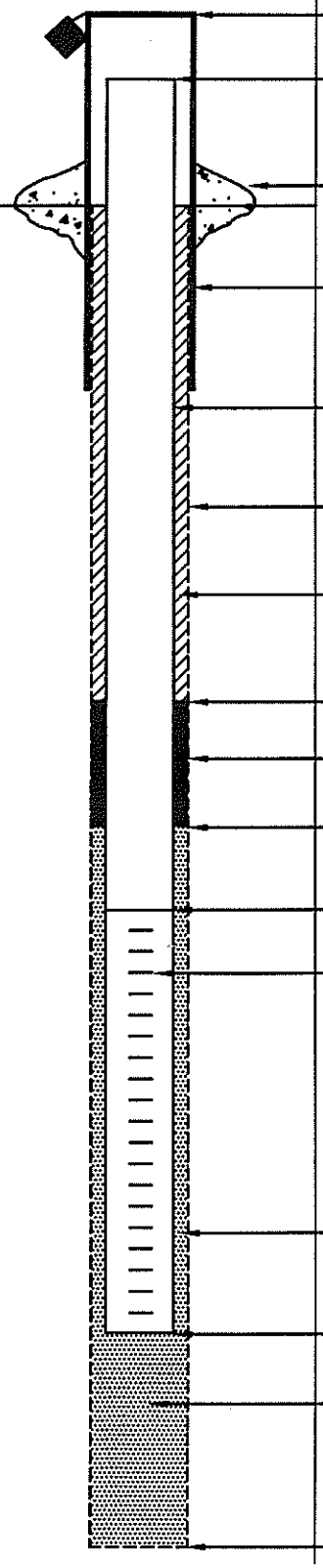
ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ123-8

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gucci
PROJECT NO. CTO-449	BORING SA-PZ123-8	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 1-2-08	DATE COMPLETED 1-2-08	
FIELD GEOLOGIST Vince Shickora		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Sand

ELEVATION/DEPTH TOP OF SEAL: / 3'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 6'

ELEVATION/DEPTH TOP OF SCREEN: / 7'

TYPE OF SCREEN: schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: / 17'

ELEVATION/DEPTH BOTTOM OF SAND PACK: / 17'

BACKFILL MATERIAL BELOW SAND: Natural formation

ELEVATION/DEPTH OF HOLE: / 17'

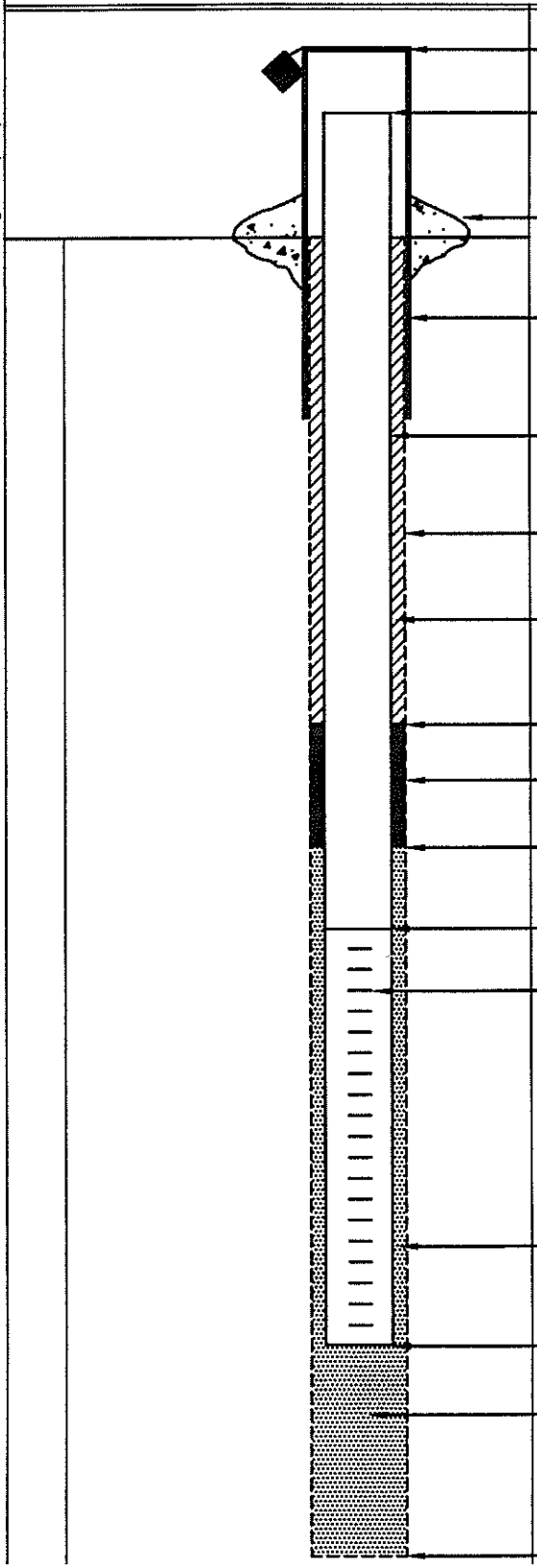
ACAD: FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ123I-I

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton	LOCATION Southern Area	DRILLER Jason Gueci
PROJECT NO. CTO-449	BORING SA-PZ123-I	DRILLING METHOD Hollow Stem Auger
DATE BEGUN 1-2-08	DATE COMPLETED 1-2-08	
FIELD GEOLOGIST Vince Shickosa		DEVELOPMENT METHOD
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: /

TYPE OF SURFACE SEAL: Concrete Apron

I.D. OF SURFACE CASING: 4 inch
TYPE OF SURFACE CASING: Steel

RISER PIPE I.D.: 2 inch
TYPE OF RISER PIPE: Schedule 40 PVC

BOREHOLE DIAMETER: 8 inch

TYPE OF BACKFILL: Cement/Bentonite Grout

ELEVATION/DEPTH TOP OF SEAL: 126'

TYPE OF SEAL: 1/4" Bentonite Holeplug

DEPTH TOP OF SAND PACK: 30'

ELEVATION/DEPTH TOP OF SCREEN: 132'

TYPE OF SCREEN: Schedule 40 PVC

SLOT SIZE x LENGTH: 0.02" X 10'

I.D. OF SCREEN: 2 inch

TYPE OF SAND PACK: #2 Silica Quartz

ELEVATION/DEPTH BOTTOM OF SCREEN: 142'

ELEVATION/DEPTH BOTTOM OF SAND PACK: 142'

BACKFILL MATERIAL BELOW SAND: Natural Formation

ELEVATION/DEPTH OF HOLE: 142'

ACAD:FORM_MWSU.dwg 07/20/99 INL

APPENDIX E

MONITORING WELL DEVELOPMENT RECORDS

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Engine Test House
Well: ET-MW01S
Date Installed: _____
Date Developed: 1-11-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 19.35'
Static Water Level Before (ft.): 10.45'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0930	–	–	10.45	–	–	–	–	Initial
0935	–	0.25	10.52	13.0	6.40	0.040	401	cloudy (Brown) surge well
0945	–	20	10.53	13.1	6.09	0.038	122	slightly cloudy (Tan) surge well
0955	–	40	10.53	13.2	5.80	0.036	47	very slight Tint (Tan) surge well
1005	–	60	10.53	13.2	5.78	0.035	50	very slight Tint (Tan)
1010	–	67	10.52	13.2	5.78	0.035	19	clear
1015	–	75	10.52	13.2	5.77	0.035	14	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Engine Test House
Well: ET-MW02S
Date Installed: _____
Date Developed: 1-11-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 19.23'
Static Water Level Before (ft.): 10.05'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vincie Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0821	—	—	10.05	—	—	—	—	Initial
0825	—	0.25	10.18	13.0	6.12	0.085	470	cloudy (Brown) surge well
0835	—	20	10.19	13.1	6.28	0.068	325	cloudy (Brown) surge well
0845	—	40	10.18	13.2	6.30	0.069	146	slightly cloudy (Brown) surge well
0855	—	60	10.19	13.1	6.29	0.069	38	very slight Tint (Tan) surge well
0905	—	75	10.19	13.2	6.28	0.069	103	Tinted (Tan) surge well
0910	—	82	10.19	13.2	6.28	0.069	44	very slight Tint (Tan)
0915	—	90	10.19	13.2	6.27	0.069	22	clear
0920	—	97	10.19	13.2	6.27	0.069	15	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Engine Test House
Well: ET-MW03F
Date Installed: _____
Date Developed: 1-11-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 19.70'
Static Water Level Before (ft.): 10.98'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units µS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0723	–	–	11.00	–	–	–	–	Initial
0725	–	0.10	11.03	11.5	6.37	0.039	385	cloudy (Brown) surge well
0735	–	20	11.03	11.8	5.98	0.038	345	cloudy (Brown) surge well
0745	–	36	11.03	11.9	5.84	0.035	68	Tinted (Tan) surge well
0755	–	50	11.03	11.9	5.78	0.035	11	clear surge well
0800	–	57	11.03	12.0	5.77	0.035	56	Slight Tinted (Tan)
0805	–	65	11.03	12.0	5.77	0.035	10	clear
0810	–	72	11.03	12.0	5.77	0.035	8	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: FT-MW01-$
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-26-07
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 30.10'
Static Water Level Before (ft.): 23.81'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ___)	Turbidity (NTU)	Remarks (odor, color, etc.)
0825	—	—	—	—	—	—	—	Initial
0830	—	0.5	23.96	—	—	—	—	Tinted (Brown) (surge well)
0835	—	4.5	23.92	—	—	—	—	Tinted (Brown)
0840	—	9	23.91	—	—	—	—	very slight Tint (Tan) (surge well)
0845		13.5	23.90	—	—	—	—	Tinted (Brown)
0850	—	18	23.90	—	—	—	—	clear (surge well)
0855	—	22.5	23.90	—	—	—	—	slight Tint (Tan)
0900	—	27	23.90	—	—	—	—	clear (surge well)
0905	—	31.5	23.89	—	—	—	—	very slight Tint (Tan)
0910	—	36	23.89	—	—	—	—	clear (surge well)
0915	—	40.5	23.90	—	—	—	—	very slight Tint (Tan)
0920	—	45	23.90	—	—	—	—	clear (surge well)
0925	—	49.5	23.90	—	—	—	—	clear
0930	—	54	23.90	—	—	—	—	clear End Development

All development observations only visual

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW01-I
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-26-07
Dev. Method: submersible pump
Pump Type: Redi-flow

Depth to Bottom (ft.): 79.74'
Static Water Level Before (ft.): 23.52'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1005	–	–	–	–	–	–	–	Initial
1010	–	0.5	23.60	–	–	–	–	very slight Tint (Tan) (surge well)
1015	–	5.5	23.60	–	–	–	–	Tinted (Brown)
1020	–	10	23.59	–	–	–	–	slight Tint (Tan)
1025	–	15	23.59	–	–	–	–	very slight Tint (Tan) (surge well)
1030	–	20	23.59	–	–	–	–	Tinted (Tan)
1035	–	25	23.59	–	–	–	–	very slight Tint (Tan)
1040	–	30	23.59	–	–	–	–	clear (surge well)
1045	–	35	23.59	–	–	–	–	Slight Tint (Tan)
1050	–	40	23.59	–	–	–	–	clear (surge well)
1055	–	45	23.59	–	–	–	–	very slight Tint (Tan)
1100	–	50	23.59	–	–	–	–	clear
1105	–	55	23.59	–	–	–	–	clear
1110	–	60	23.59	–	–	–	–	clear (End development)

Visual observation only done by #1

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: FT-MW03-$
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-27-07
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 32.60'
Static Water Level Before (ft.): 26.58'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ___)	Turbidity (NTU)	Remarks (odor, color, etc.)	
0805	–	–	26.58	–	–	–	–	Initial	
0810	–	0.25	26.61	–	–	–	–	Tinted (Brown) (surge well)	
0815	–	5	26.61	–	–	–	–	slightly cloudy (Brown)	
0820	–	9.5	26.60	–	–	–	–	Tinted (Brown)	
0825	–	14	26.60	–	–	–	–	slight Tint (Tan) (surge well)	Visual
0830	–	18.5	26.61	–	–	–	–	Tinted (Brown)	
0835	–	23	26.60	–	–	–	–	slight Tint (Tan) (surge well)	only
0840	–	28	26.61	–	–	–	–	slight Tint (Tan)	done
0845	–	33	26.61	–	–	–	–	very slight Tint (Tan) (surge well)	
0850	–	38	26.61	–	–	–	–	very slight Tint (Tan)	development observations
0855	–	42.5	26.60	–	–	–	–	clear (surge well)	
0900	–	47	26.61	–	–	–	–	clear	
0905	–	52.5	26.61	–	–	–	–	clear - End development	
									All

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW04-$
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-28-07
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 27.71'
Static Water Level Before (ft.): 21.32'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1235	-	-	21.32	-	-	-	-	Initial
1240	-	0.25	21.36	-	-	-	-	Tinted (Red-Brown)
1245	-	5	21.35	-	-	-	-	very slight Tint (Tan) (surge pump)
1250	-	9.5	21.35	-	-	-	-	Tinted (Red-Brown)
1255	-	14	21.35	-	-	-	-	slight Tint (Brown) (surge pump)
1300	-	18.5	21.35	-	-	-	-	Tinted (Brown)
1305	-	23	21.34	-	-	-	-	clear (surge pump)
1310	-	27	21.34	-	-	-	-	very slight Tint (Tan)
1315	-	31	21.33	-	-	-	-	clear (surge pump)
1320	-	35	21.33	-	-	-	-	very slight Tint (Tan)
1325	-	39	21.33	-	-	-	-	clear (surge pump)
1330	-	43	21.33	-	-	-	-	clear
1335	-	47	21.33	-	-	-	-	clear - End development

Visually observed development completed

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW05-$
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-27-07
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 19.87'
Static Water Level Before (ft.): 12.02'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 4inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Colverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
1115	–	–	12.02	–	–	–	–	Initial	All Development done by visual observation only.
1120	–	0.25	12.07	–	–	–	–	cloudy (orange brown)	
1125	–	5	12.08	–	–	–	–	slightly cloudy (surge well)	
1130	–	9.5	12.08	–	–	–	–	cloudy (Red Brown)	
1135	–	14	12.08	–	–	–	–	slightly cloudy (surge well)	
1140	–	18.5	12.08	–	–	–	–	cloudy (Red Brown)	
1145	–	23	12.08	–	–	–	–	slightly cloudy	
1150	–	27.5	12.08	–	–	–	–	Tinted (Brown) (surge pump)	
1155	–	33	12.08	–	–	–	–	Tinted (Brown)	
1200	–	37.5	12.08	–	–	–	–	slight Tint (Tan)	
1205	–	42	12.08	–	–	–	–	very slight Tint (Tan)	
1210	–	46.5	12.08	–	–	–	–	clear	
1215	–	51	12.08	–	–	–	–	clear - End development	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW05-I
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-27-07
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 60.02'
Static Water Level Before (ft.): 12.43'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 4inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
0940	–	–	12.43	–	–	–	–	Initial	
0945	–	0.25	12.45	–	–	–	–	cloudy (Brown)	
0950	–	5	12.49	–	–	–	–	slightly cloudy (Surge well)	
0955	–	10	12.48	–	–	–	–	slightly cloudy (Brown)	
1000	–	14.5	12.48	–	–	–	–	Tinted (Brown) (Surge well)	
1005	–	19	12.48	–	–	–	–	Tinted (Brown)	
1010	–	24	12.47	–	–	–	–	Slight Tint (Tan) (Surge well)	
1015	–	28.5	12.48	–	–	–	–	Tinted (Brown)	
1020	–	33	12.47	–	–	–	–	slight Tint (Tan) (Surge well)	
1025	–	38	12.48	–	–	–	–	Tinted (Brown)	
1030	–	42.5	12.47	–	–	–	–	Very slight Tint (Tan)	
1035	–	47	12.47	–	–	–	–	clear	
1040	–	51.5	12.47	–	–	–	–	clear	
1045	–	56	12.47	–	–	–	–	clear - End Development	

All development done by Mr Wood on 11/ observations

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: FT-MW06-$
Site: Fire Training Area-Site 2
Date Installed: –
Date Developed: 11-29-07
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 28.95'
Static Water Level Before (ft.): 21.66'
Static Water Level After (ft.): _____
Screen Length (ft.): _____
Specific Capacity: _____
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
1045	–	–	21.66'	–	–	–	–	initial	development conducted by visual observations only
1145	–	1.0	21.68'	–	–	–	–	slightly cloudy (Brown)	
1150	–	6.0	21.70'	–	–	–	–	Surge Pump cloudy (Brown)	
1155	–	11.0	21.71'	–	–	–	–	clear	
1200	–	16.0	21.70'	–	–	–	–	Surge pump slight Tint (Brown)	
1205	–	21.0	21.70'	–	–	–	–	clear	
1210	–	26	21.70'	–	–	–	–	Surge pump slight Tint (Brown)	
1215	–	31	21.70'	–	–	–	–	clear	
1220	–	36	21.70'	–	–	–	–	Surge pump clear	
1225	–	41	21.70'	–	–	–	–	clear - End Development	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW06-I
Site: Fire Training Area - Site 2
Date Installed: –
Date Developed: 11-29-07
Dev. Method: submersible pump
Pump Type: Redi-Flow pump

Depth to Bottom (ft.): 75.62'
Static Water Level Before (ft.): 22.69'
Static Water Level After (ft.): _____
Screen Length (ft.): _____
Specific Capacity: _____
Casing ID (in.): _____

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
1255	–	–	22.69'	–	–	–	–	initial	Development
1300	–	1.0	22.72'	–	–	–	–	Slight Tint (Brown)	Conducted by visual
1305	–	6.0	22.73'	–	–	–	–	Surge pump cloudy (Tan)	observations only
1310	–	11	22.75'	–	–	–	–	Slight Tint (Tan)	
1315	–	17	22.77'	–	–	–	–	clear	
1320	–	23	22.78'	–	–	–	–	Surge pump Slight Tint (Tan)	
1325	–	29	22.79'	–	–	–	–	clear	
1330	–	35	22.80'	–	–	–	–	Surge pump Slight Tint (Tan)	
1335	–	41	22.81'	–	–	–	–	clear	
1340	–	47	22.82'	–	–	–	–	Surge pump Slight Tint (Tan)	
1345	–	53	22.83'	–	–	–	–	clear	
1350	–	58	22.83'	–	–	–	–	Surge pump clear	
1355	–	63	22.83'	–	–	–	–	clear - End Development	

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Well: FT-MW07-$
Site: NWIRP Calverton
Date Installed:
Date Developed: 11-29-07
Dev. Method: Redi-Flow pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 36.32'
Static Water Level Before (ft.): 30.39'
Static Water Level After (ft.):
Screen Length (ft.):
Specific Capacity:
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton - Site 2
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
0925	–	–	30.39	–	–	–	–	initial	All development
0930	–	1	30.44	–	–	–	–	Slight Tint (Brown)	done by visual
0932	–	2.5	30.49	–	–	–	–	Surge pump Tinted (Brown)	observations only
0935	–	5.5	30.51	–	–	–	–	Slight Tint (Brown)	
0940	–	10	30.54	–	–	–	–	Slight Tint (Brown)	
0945	–	14.5	30.57	–	–	–	–	"	
0950	–	19.0	30.59	–	–	–	–	Surge pump Tinted (Brown)	
0955	–	23.5	30.61	–	–	–	–	clear	
1000	–	28	30.60	–	–	–	–	Surge pump slight Tint	
1005	–	33	30.60	–	–	–	–	clear	
1010	–	37.5	30.60	–	–	–	–	Surge pump Clear	
1015	–	42	30.59	–	–	–	–	clear	
1020	–	46.5	30.60	–	–	–	–	clear	End Development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Well: FT-MW08-S
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-26-07
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 16.24'
Static Water Level Before (ft.): 8.42
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ___)	Turbidity (NTU)	Remarks (odor, color, etc.)
1545	–	–	8.42	–	–	–	–	Initial
1550	–	0.25	8.46	–	–	–	–	Tinted (Brown) (Surge well)
1555	–	5	8.45	–	–	–	–	Cloudy (Brown)
1600	–	9.5	8.45	–	–	–	–	Tinted (Brown)
1605	–	14	8.45	–	–	–	–	Slight Tint (Brown) (Surge well)
1610	–	18.5	8.45	–	–	–	–	Tinted (Brown)
1615	–	23	8.45	–	–	–	–	Slight Tint (Tan)
1620	–	27.5	8.45	–	–	–	–	very slight Tint (Tan) (Surge well)
1625	–	32	8.45	–	–	–	–	slight Tint (Tan)
1630	–	36	8.44	–	–	–	–	clear
1635	–	40	8.44	–	–	–	–	clear - End Development

Visual observation during development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Well: FT-MW08-I
Site: Fire Training Area
Date Installed: NA
Date Developed: 12-26-07
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 35.77
Static Water Level Before (ft.): 8.50
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 4 inch

Responsible Personnel: Vince Shickora
Drilling Co.: NA
Project Name: NWIRP Calverton
Project Number: CTO-450

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)	
1415	–	–	8.50	–	–	–	–	Initial	
1420	–	0.25	8.55	–	–	–	–	cloudy (Red-Brown)	
1425	–	5	8.54	–	–	–	–	Tinted (Red-Brown) (Surge well)	Visual
1430	–	9.5	8.53	–	–	–	–	cloudy (Red-Brown)	
1435	–	14	8.54	–	–	–	–	Tinted (Red-Brown) (Surge well)	by
1440	–	18.5	8.53	–	–	–	–	Tinted (Red-Brown)	
1445	–	23	8.53	–	–	–	–	very slight Tint (Brown) (Surge well)	only
1450	–	27.5	8.53	–	–	–	–	Tinted (Brown)	done
1455	–	32	8.53	–	–	–	–	very slight Tint (Brown) (Surge well)	
1500	–	36.5	8.53	–	–	–	–	Slight Tint (Brown)	development
1505	–	41	8.53	–	–	–	–	very slight Tint (Brown) (Surge well)	observation
1510	–	45.5	8.53	–	–	–	–	very slight Tint (Tan)	
1515	–	50	8.53	–	–	–	–	clear	
1520	–	54	8.53	–	–	–	–	clear - End development	All

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-PZ122-S
Date Installed: _____
Date Developed: 1-8-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 24.93'
Static Water Level Before (ft.): 15.08'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/c)	Turbidity (NTU)	Remarks (odor, color, etc.)
0855	–		15.08	–	–	–	–	Initial
0900	–	0.25	15.12	11.8	5.79	0.106	205	slightly Cloudy (Brown) Surge well
0905	–	13	15.13	12.0	5.38	0.107	384	cloudy (Brown)
0910	–	25	15.13	12.1	5.28	0.105	39	very slight Tint (Tan) Surge well
0915	–	37	15.13	12.1	5.25	0.105	216	cloudy (Brown)
0920	–	50	15.13	12.2	5.27	0.104	18	clear Surge well
0925	–	62	15.13	12.1	5.29	0.103	135	slightly Cloudy (Brown)
0930	–	75	15.13	12.1	5.30	0.102	15	clear Surge well
0935	–	87	15.13	12.2	5.31	0.101	60	slight Tint (Tan)
0940	–	100	15.13	12.2	5.31	0.100	13	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-PZ122-I
Date Installed: _____
Date Developed: 1-8-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 51.41'
Static Water Level Before (ft.): 14.86'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Malta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/c)	Turbidity (NTU)	Remarks (odor, color, etc.)
0750	–	–	14.86'	–	–	–	–	Initial
0800	–	0.25	14.94	11.0	5.66	0.123	999	cloudy (Brown)
0805	–	12	14.98	11.1	5.80	0.095	35	clear (Surge well)
0810	–	27	14.99	11.3	6.01	0.091	905	cloudy (Brown)
0815	–	39	14.99	11.5	6.10	0.087	59	very slight Tint (Tan) Surge well
0820	–	53	14.99	11.5	6.11	0.088	422	cloudy (Brown) Surge well
0825	–	67	14.99	11.5	6.12	0.087	203	cloudy (Brown)
0830	–	81	14.99	11.5	6.11	0.087	41	very slight Tint (Tan) Surge well
0835	–	95	14.99	11.5	6.10	0.087	79	Slight Tint (Tan)
0840	–	108	14.99	11.5	6.11	0.088	21	clear
0845	–	120	14.99	11.5	6.12	0.087	12	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-PZ123-$
Date Installed: _____
Date Developed: 1-7-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): _____
Static Water Level Before (ft.): 9.24
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units _____)	Turbidity (NTU)	Remarks (odor, color, etc.)
1433	–	–	9.24	–	–	–	–	Initial
1435	–	0.5	9.30	10.50	5.38	0.059	999	cloudy (Brown)
1440	–	10	9.30	10.5	5.02	0.059	720	cloudy (Brown) surge pump
1445	–	20	9.30	10.5	4.97	0.058	202	cloudy (Brown) surge pump
1450	–	30	9.30	10.5	4.89	0.058	639	cloudy (Brown)
1455	–	40	9.30	10.5	4.87	0.058	137	slightly cloudy (Tan) surge pump
1500	–	50	9.30	10.5	4.82	0.058	311	cloudy (Brown)
1505	–	60	9.30	10.5	4.80	0.058	37	very slight Tint (Tan) surge pump
1510	–	70	9.30	10.5	4.81	0.058	199	slightly cloudy (Brown)
1515	–	80	9.30	10.5	4.82	0.058	63	very slight Tint (Tan)
1520	–	90	9.30	10.4	4.81	0.058	18	clear
1525	–	100	9.30	10.4	4.80	0.058	17	clear - End Development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: _____
Well: SA-PZ1231-I
Date Installed: _____
Date Developed: 1-7-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 44.96'
Static Water Level Before (ft.): 9.74'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Colverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/c)	Turbidity (NTU)	Remarks (odor, color, etc.)
1315		—	9.74'	—	—	—	—	Initial
1322		0.5	9.80'	12.2	5.87	0.127	940	cloudy (Brown)
1327		10	9.80'	12.0	5.69	0.076	160	Tinted (Brown) surge pump
1330		19	9.80'	11.7	5.30	0.066	309	cloudy (Brown)
1335		34	9.81'	11.6	5.24	0.065	43	slight Tint (Tan) surge pump
1340		50	9.81'	11.5	5.19	0.062	803	cloudy (Brown)
1345		65	9.81	11.5	5.21	0.061	302	cloudy (Brown)
1350		80	9.81	11.5	5.18	0.060	228	cloudy (Brown)
1355		95	9.81	11.5	5.14	0.060	112	Tinted (Tan) surge pump
1400		110	9.81	11.5	5.15	0.059	350	cloudy (Brown)
1405		125	9.81	11.5	5.14	0.059	203	cloudy (Brown)
1410		140	9.81	11.5	5.15	0.059	52	slight Tint (Tan)
1415		155	9.81	11.5	5.15	0.059	18	clear - end development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW126-S
Date Installed: _____
Date Developed: 1-10-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 17.61'
Static Water Level Before (ft.): 5.17'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1248	–	–	5.17'	–	–	–	–	Initial
1250	–	0.50	5.20'	11.0	6.07	0.085	215	cloudy (Brown) Surge well
1300	–	20	5.21'	10.8	5.69	0.077	781	very cloudy (Brown) Surge well
1310	–	40	5.21'	10.8	5.30	0.072	154	slightly cloudy (Brown) Surge well
1320	–	60	5.21'	10.8	5.02	0.067	177	slightly cloudy (Brown)
1330	–	80	5.21'	10.8	4.95	0.065	121	Tinted (Brown) Surge well
1335	–	90	5.21'	10.8	4.94	0.064	41	Very slight Tint (Brown)
1340	–	100	5.21'	10.8	4.93	0.064	20	clear
1345	–	110	5.21'	10.8	4.92	0.064	15	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW126-I
Date Installed: ___
Date Developed: 1-10-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 52.17'
Static Water Level Before (ft.): 5.30'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1405	–	–	5.30	–	–	–	–	Initial
1410	–	10	5.41	11.3	5.46	0.103	> 999	Very cloudy (Gray-Brown) Surge well
1420	–	30	5.41'	11.5	6.00	0.105	815	Very cloudy (Gray-Brown) Surge well
1430	–	60	5.41'	11.5	6.25	0.106	515	cloudy (Brown) Surge well
1440	–	85	5.41	11.5	6.35	0.107	260	cloudy (Brown) Surge well
1450	–	110	5.41	11.5	6.37	0.106	121	Tinted (Tan)
1455	–	120	5.41	11.5	6.38	0.106	64	slight Tint (Tan)
1500	–	130	5.41	11.5	6.39	0.106	21	clear
1505	–	140	5.41	11.5	6.40	0.106	18	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW126-D
Date Installed: ___
Date Developed: 1-10-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 85.24'
Static Water Level Before (ft.): 7.37'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1010	–	–	7.37	–	–	–	–	Initial
1015	–	0.50	8.48	11.0	6.05	0.161	>999	very cloudy (Gray-Brown)
1025	–	20	8.48	11.3	6.45	0.109	>999	very cloudy (Gray-Brown)
1035	–	40	8.49	11.3	6.80	0.092	491	cloudy (Brown) surge well
1045	–	70	8.49	11.4	7.08	0.084	>999	very cloudy (Gray-Brown)
1055	–	100	8.49	11.4	7.13	0.083	225	cloudy (Brown) surge well
1105	–	130	8.49	11.4	7.14	0.081	>999	very cloudy (Gray-Brown)
1115	–	160	8.49	11.4	7.15	0.080	390	cloudy (Brown) surge well
1125	–	190	8.49	11.5	7.16	0.079	920	very cloudy (Gray-Brown)
1135	–	220	8.49	11.5	7.16	0.078	480	cloudy (Brown)
1145	–	240	8.49	11.5	7.16	0.078	205	cloudy (Tan) surge well
1155	–	260	8.49	11.5	7.17	0.078	117	Tinted (Tan) - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW127-$
Date Installed: ___
Date Developed: 1-10-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 17.30'
Static Water Level Before (ft.): 7.04'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 2inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units As/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0850	–	–	7.04'	–	–	–	–	Initial
0855	–	0.25	7.06'	10.4	5.94	0.038	447	cloudy (Brown) surge well
0900	–	10	7.08'	10.6	5.16	0.036	789	very cloudy (Brown)
0905	–	20	7.07'	10.9	4.95	0.035	119	slightly cloudy (Tan) surge well
0910	–	30	7.07'	10.8	4.96	0.035	522	cloudy (Brown)
0915	–	40	7.07'	10.8	4.98	0.035	112	slightly cloudy (Tan) surge well
0920	–	50	7.07'	10.8	5.23	0.035	289	cloudy (Brown)
0925	–	60	7.07'	10.8	5.04	0.036	60	slight Tint (Tan) surge well
0930	–	70	7.07'	10.8	5.05	0.036	180	slightly cloudy (Tan)
0935	–	80	7.07'	10.8	5.16	0.036	18	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW127-I
Date Installed: ___
Date Developed: 1-10-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 48.32'
Static Water Level Before (ft.): 7.23'
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0725	–	–	7.23'	–	–	–	–	Initial
0740	–	0.25	7.29'	10.9	7.28	0.089	>999	very cloudy (Brown)
0750	–	10	7.29'	11.4	6.37	0.085	>999	very cloudy (Brown)
0755	–	25	7.29'	11.4	6.25	0.085	75	Tinted (Tan) surge well
0800	–	40	7.30'	11.5	6.15	0.085	963	very cloudy (Brown)
0805	–	55	7.30'	11.6	6.11	0.085	109	Tinted (Tan) surge well
0810	–	70	7.30	11.6	6.08	0.084	875	very cloudy (Brown)
0815	–	95	7.30	11.7	6.08	0.085	104	Tinted (Tan) surge well
0820	–	110	7.29'	11.6	6.09	0.085	520	cloudy (Brown)
0825	–	125	7.29'	11.6	6.08	0.085	30	clear surge well
0830	–	138	7.28'	11.6	6.08	0.085	193	slightly cloudy (Brown)
0835	–	150	7.28'	11.6	6.07	0.085	23	clear
0840	–	162	7.28'	11.6	6.07	0.085	15	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW127-D
Date Installed: _____
Date Developed: 1-9-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 77.02'
Static Water Level Before (ft.): 8.82'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1338	—	—	8.82'	—	—	—	—	Initial
1340	—	0.25	8.91'	11.8	8.93	0.181	>999	very cloudy (Brown)
1350	—	20	8.92'	11.8	9.22	0.103	>999	very cloudy (Brown)
1400	—	40	8.92'	11.8	8.65	0.091	232	cloudy (Brown) surge well
1410	—	65	8.92'	12.0	7.93	0.123	>999	very cloudy (Brown)
1420	—	90	8.92'	11.9	7.60	0.095	220	cloudy (Brown) surge well
1430	—	115	8.92'	11.8	7.57	0.084	>999	very cloudy (Brown) surge well
1440	—	145	8.93'	11.8	7.56	0.081	935	very cloudy (Brown)
1450	—	175	8.93'	11.8	7.53	0.081	207	cloudy (Brown)
1500	—	200	8.92'	11.8	7.54	0.080	103	Tinted (Tan) surge well
1510	—	220	8.92'	11.8	7.55	0.081	276	cloudy (Brown)
1520	—	240	8.92'	11.8	7.56	0.081	116	Tinted (Tan) surge well
1530	—	260	8.92'	11.8	7.57	0.081	306	cloudy (Brown)
1540	—	275	8.92'	11.8	7.57	0.081	94	Tinted (Tan) - End Development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW128-S
Date Installed: _____
Date Developed: 1-9-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 19.30'
Static Water Level Before (ft.): 9.27
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1208	—	—	9.27	—	—	—	—	Initial
1210	—	0.25	9.30	11.3	5.49	0.038	>999	very cloudy (Brown)
1215	—	10	9.30	11.4	5.41	0.038	109	slightly cloudy (Tan) Surge well
1220	—	20	9.29	11.4	5.42	0.039	802	very cloudy (Brown)
1225	—	30	9.29	11.4	5.41	0.039	115	slightly cloudy (Tan) Surge well
1230	—	40	9.29	11.4	5.40	0.039	811	very cloudy (Brown)
1235	—	50	9.29	11.4	5.40	0.040	111	slightly cloudy (Tan)
1240	—	60	9.29	11.4	5.39	0.040	30	clear Surge well
1245	—	70	9.29	11.4	5.39	0.040	426	cloudy (Brown)
1250	—	80	9.29	11.4	5.39	0.040	62	slight Tint (Tan)
1255	—	90	9.29	11.4	5.39	0.040	18	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW128-I
Date Installed: ___
Date Developed: 1-9-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 42.31
Static Water Level Before (ft.): 9.74
Static Water Level After (ft.): ___
Screen Length (ft.): 10'
Specific Capacity: ___
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1045	–	–	9.74'	–	–	–	–	Initial
1046	–	0.25	9.83'	12.1	5.76	0.050	847	very cloudy (Brown)
1050	–	9	9.83'	12.0	5.79	0.052	212	cloudy (Brown) Surge well
1055	–	19	9.83'	12.0	5.77	0.053	>999	very cloudy (Brown)
1100	–	29	9.83'	12.0	5.75	0.053	875	very cloudy (Brown) Surge well
1105	–	39	9.82'	11.9	5.74	0.053	>999	very cloudy (Brown)
1110	–	48	9.81'	11.9	5.72	0.053	217	slightly cloudy (Brown) Surge well
1115	–	60	9.81'	11.9	5.70	0.053	820	very cloudy (Brown)
1120	–	70	9.81'	11.9	5.71	0.053	213	slightly cloudy (Brown)
1125	–	80	9.81'	11.9	5.72	0.053	59	very slight Tint (Tan) Surge well
1130	–	90	9.81'	11.9	5.70	0.053	715	cloudy (Brown)
1135	–	100	9.80'	11.9	5.69	0.053	126	slightly cloudy (Brown) Surge well
1140	–	110	9.80'	11.9	5.69	0.053	596	cloudy (Brown)
1145	–	122	9.80'	11.9	5.70	0.053	107	slightly cloudy (Tan)
1150	–	134	9.80'	11.9	5.70	0.053	35	clear
1155	–	146	9.80'	11.9	5.71	0.053	17	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of ___

Site: Southern Area
Well: SA-MW128-D
Date Installed:
Date Developed: 1-9-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 68.22'
Static Water Level Before (ft.): 8.85'
Static Water Level After (ft.):
Screen Length (ft.): 10'
Specific Capacity:
Casing ID (in.): 2 inch

Project Name: NWIRP Colverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
0720	—	—	8.85	—	—	—	—	Initial
0725	—	0.25	18.88	11.6	6.14	0.255	>999	very cloudy (Gray-Brown)
0730	—	10	38.95	11.8	6.28	0.200	>999	very cloudy (Gray-Brown)
0735	—	28	58.95	12.0	6.25	0.156	>999	very cloudy (Gray-Brown)
0745	—	30	67.00	12.0	6.22	0.120	>999	(*) well dry - stop pump and allow to recharge
0805	—	31	12.56	11.8	6.17	0.095	980	very cloudy (Gray-Brown) surge well
0810	—	36	18.95	11.7	5.92	0.086	>999	very cloudy (Gray-Brown)
0820	—	45	22.44	11.9	5.84	0.065	>999	very cloudy (Gray-Brown) surge well
0830	—	54	23.00	11.9	5.72	0.057	>999	very cloudy (Gray-Brown)
0840	—	63	22.46	11.8	5.84	0.050	>999	very cloudy (Gray-Brown) surge well
0900	—	90	16.54	11.7	5.78	0.047	920	very cloudy (Gray-Brown)
0910	—	112	16.50	11.7	5.75	0.046	765	cloudy (Gray-Brown) surge well
0920	—	133	16.52	11.7	5.74	0.047	505	cloudy (Brown)
0925	—	144	16.50	11.7	5.73	0.046	221	slightly cloudy (Brown) surge well
0930	—	155	16.51	11.7	5.72	0.046	117	Tinted (Brown)
0935	—	167	16.48	11.7	5.71	0.045	68	slight Tint (Tan)
0940	—	178	16.43	11.7	5.70	0.045	30	clear
0945	—	190	16.40	11.7	5.70	0.045	19	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW129-S
Date Installed: _____
Date Developed: 1-8-08
Dev. Method: submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 31.25'
Static Water Level Before (ft.): 22.69
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units µS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1408	–	–	22.69'	–	–	–	–	Initial
1410	–	0.25	22.70'	12.4	4.97	0.038	221	cloudy (Brown) surge well
1415	–	10	22.70'	12.5	4.87	0.036	544	cloudy (Brown)
1420	–	20	22.70'	12.6	4.87	0.037	108	slightly cloudy (Tan) surge well
1425	–	30	22.70'	12.7	4.89	0.037	211	cloudy (Brown)
1430	–	40	22.70'	12.7	4.92	0.037	29	clear surge well
1435	–	50	22.70	12.7	4.98	0.037	170	slightly cloudy (Brown)
1440	–	60	22.70'	12.8	5.09	0.037	9	clear surge well
1445	–	70	22.70	12.7	5.09	0.036	191	slightly cloudy (Brown)
1450	–	80	22.70	12.7	5.11	0.036	7	clear - End development

030

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW 129-I
Date Installed: _____
Date Developed: 1-8-08
Dev. Method: Submersible pump
Pump Type: Redi-Flow

Depth to Bottom (ft.): 62.59'
Static Water Level Before (ft.): 22.84'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units mS/cm)	Turbidity (NTU)	Remarks (odor, color, etc.)
1240	—	—	22.84'	—	—	—	—	Initial
1250	—	0.25	22.92'	12.3	6.00	0.056	773	very cloudy (Brown)
1255	—	10	22.93'	12.2	5.61	0.052	129	slightly cloudy (Tan) Surge well
1300	—	20	22.94'	12.1	5.15	0.051	936	very cloudy (Brown)
1305	—	30	22.94'	12.0	5.10	0.050	429	cloudy (Brown)
1310	—	40	22.94'	12.0	5.03	0.050	170	Slightly cloudy (Brown) Surge well
1315	—	50	22.94'	12.0	4.95	0.050	959	very cloudy (Brown)
1320	—	60	22.94'	12.0	4.94	0.050	597	cloudy (Brown)
1325	—	70	22.94'	12.0	4.91	0.050	248	cloudy (Brown) Surge well
1330	—	83	22.96'	11.9	4.89	0.050	831	very cloudy (Brown)
1335	—	95	22.96'	11.9	4.90	0.050	283	cloudy (Brown) Surge well
1340	—	108	22.96'	11.9	4.89	0.050	801	very cloudy (Brown)
1345	—	120	22.96'	11.9	4.90	0.050	196	Slightly cloudy (Brown) Surge well
1350	—	132	22.96'	11.9	4.90	0.050	447	cloudy (Brown)
1355	—	145	22.96'	11.9	4.91	0.050	51	very slight Tint (Tan)
1400	—	158	22.96'	11.9	4.91	0.050	12	clear - End development

Tetra Tech NUS, Inc.

MONITORING WELL DEVELOPMENT RECORD

Page ___ of _____

Site: Southern Area
Well: SA-MW129-D
Date Installed: _____
Date Developed: 1-8-08
Dev. Method: submersible pump
Pump Type: Redi-flow

Depth to Bottom (ft.): 92.45'
Static Water Level Before (ft.): 22.79'
Static Water Level After (ft.): _____
Screen Length (ft.): 10'
Specific Capacity: _____
Casing ID (in.): 2 inch

Project Name: NWIRP Calverton
Project Number: CTO-449
Site Geologist: Vince Shickora
Drilling Co.: Delta

Time	Estimated Sediment Thickness (Ft.)	Cumulative Water Volume (Gal.)	Water Level Readings (Ft. below TOC)	Temperature (Degrees C)	pH	Specific Conductance (Units ms/c)	Turbidity (NTU)	Remarks (odor, color, etc.)
1020	–	–	22.79'	–	–	–	–	Initial
1030	–	0.25	23.14'	11.8	6.05	0.112	>999	very cloudy (Gray-Brown)
1035	–	13	23.43'	11.8	6.34	0.141	543	cloudy (Gray-Brown)
1040	–	25	23.48'	11.8	6.35	0.154	241	cloudy (Brown) Surge well
1045	–	38	23.49'	11.8	6.38	0.160	>999	very cloudy (Gray-Brown)
1050	–	50	23.50'	11.8	6.41	0.151	917	very cloudy (Gray-Brown)
1055	–	63	23.50'	11.8	6.45	0.145	393	cloudy (Brown) Surge well
1100	–	75	23.50'	11.8	6.50	0.138	>999	very cloudy (Gray-Brown)
1105	–	87	23.50'	11.8	6.49	0.137	978	very cloudy (Gray-Brown)
1110	–	100	23.50'	11.8	6.51	0.136	424	cloudy (Brown)
1115	–	113	23.50'	11.8	6.53	0.135	183	slightly cloudy (Brown) Surge well
1120	–	125	23.50'	11.8	6.56	0.135	>999	very cloudy (Gray-Brown)
1125	–	138	23.50'	11.8	6.59	0.136	811	very cloudy (Gray-Brown)
1130	–	150	23.50'	11.8	6.60	0.135	280	cloudy (Brown)
1135	–	168	23.50'	11.8	6.59	0.133	102	Tinted (Brown) Surge well
1140	–	175	23.50'	11.8	6.60	0.131	999	very cloudy (Brown)
1145	–	188	23.50'	11.8	6.60	0.130	201	cloudy (Brown
1150	–	200	23.50'	11.8	6.59	0.129	75	Tinted (Tan) End development

APPENDIX F

SOIL AND SEDIMENT SAMPLE LOG SHEETS

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: SA-MW126D-8384
Sample Location: Southern Area
Sampled By: Vince Shickosa
C.O.C. No.:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12-4-07 Time: 1135 Method: Split Spoon - HSA Monitor Reading (ppm): 0	83' to 84' bgs	Tan-Brown	Silty FGR Sand with Trace MGR Sand and pebbles (saturated/wet)

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):			NA	

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TOC	1 X 8 ounce glass Jar	1	NA

OBSERVATIONS / NOTES:

Sample collected from 83' to 84' depth interval split spoon from boring SA-MW126-D

MAP:

See site logbook

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: SA-MW126I-5052
Sample Location: Southern Area
Sampled By: Vince Shickora
C.O.C. No.:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12-6-07 Time: 0831 Method: Split Spoon-HSA Monitor Reading (ppm): 0	50' to 52' BGS	Gray	Clay with Trace silt (very plastic) saturated-wet

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):			NA	

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TOC	1 x 8 ounce glass jar	1	NA

OBSERVATIONS / NOTES:

Sample collected from 50' to 52' depth interval split spoon from boring SA-MW126-I

MAP:

See site logbook

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: SA-MW127I-4042
Sample Location: Southern Area
Sampled By: Vince Shickora
C.O.C. No.:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12-11-07 Time: Method: Split Spoon - HSA Monitor Reading (ppm): 0	40' to 42' BGS	Tan	FGR to MGR Sand Trace silt (saturated/wet)

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):			NA	

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TOC	1 X 8 ounce glass jar	yes	NA

OBSERVATIONS / NOTES:

Sample collected from split spoon from Boring SA-MW127-I at depth of 40' to 42' BGS

MAP:

See site logbook

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.:
Sample Location: SA-MW128-8
Sampled By: Vince Shickora
C.O.C. No.:

Type of Sample:
[X] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12-14-07 Time: 0855 Method: Split spoon - HSA Monitor Reading (ppm): 0	15' to 17' BGS	Tan-Brown	FGR to MGR Sand Trace silt - CGR Sand (wet/saturated)

COMPOSITE SAMPLE DATA:

	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date:				
Method:				
Monitor Readings (Range in ppm):			NA	

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
TOC	1 X 8 ounce Jar	yes	NA

OBSERVATIONS / NOTES:

Sample collected from split spoon from SA-MW128-8 at depth of 15' to 17' BGS

- No odors or stains observed

MAP:

See site logbook

Circle if Applicable:

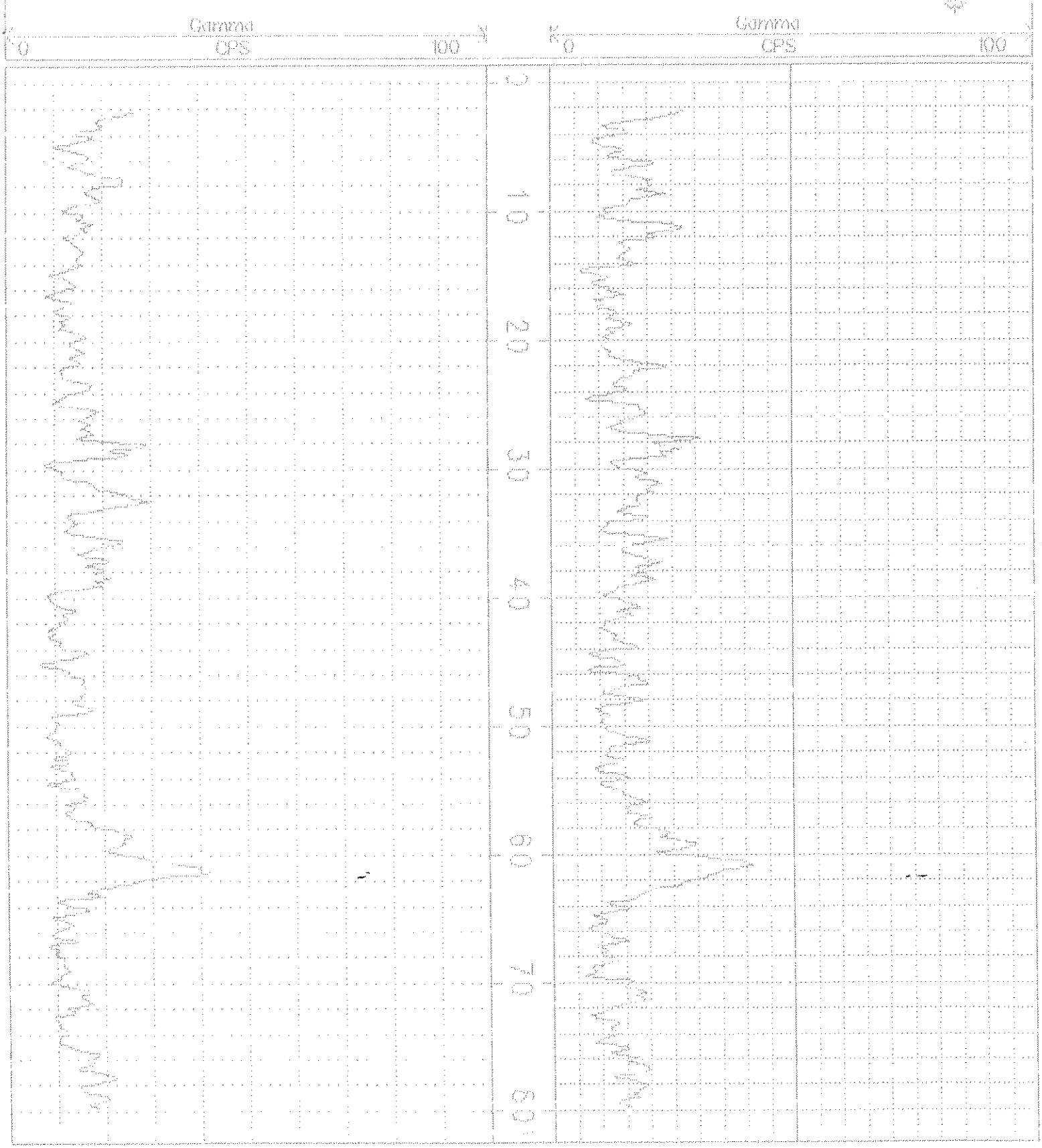
MS/MSD	Duplicate ID No.:
—	—

Signature(s):

APPENDIX G

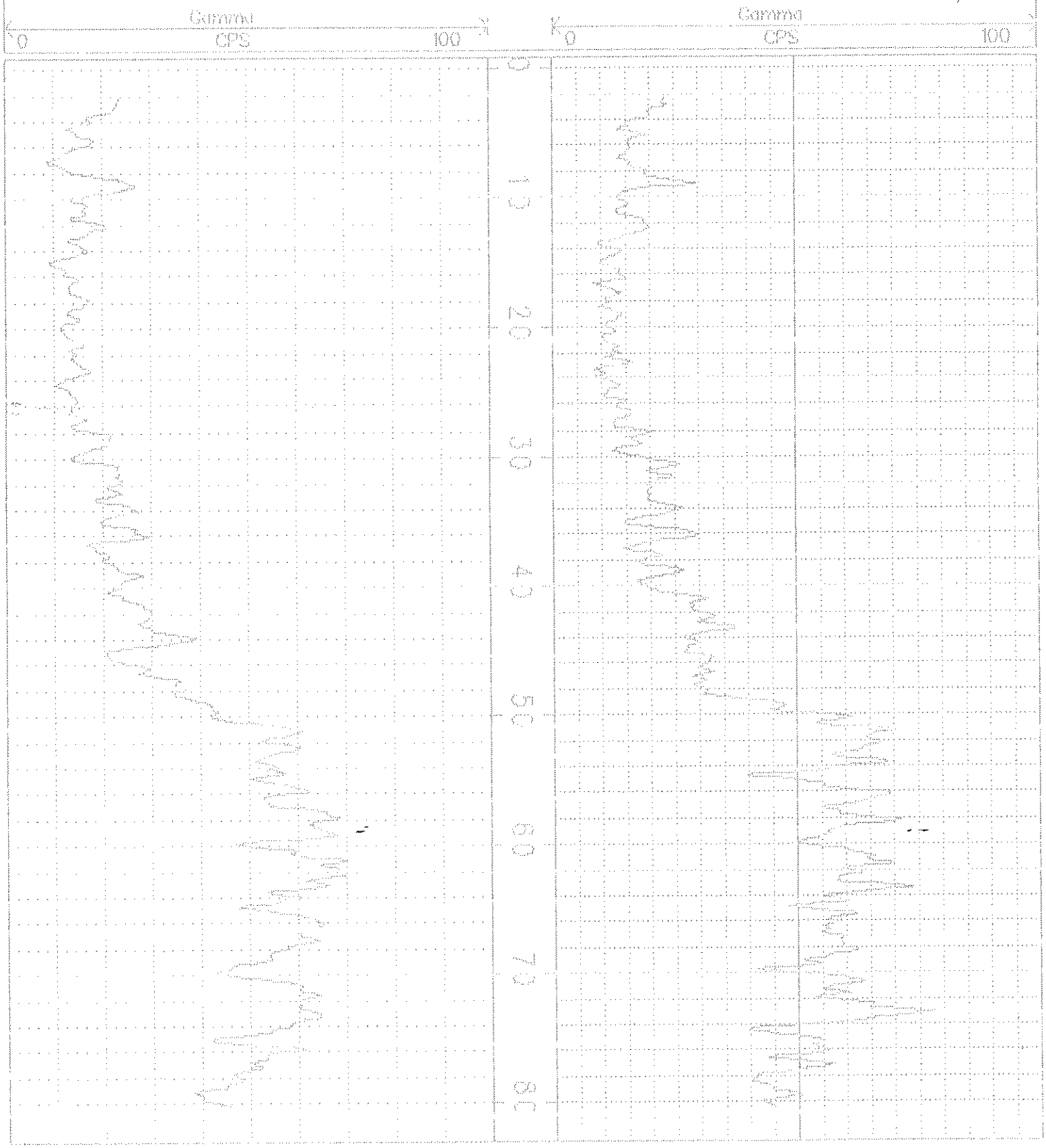
GAMMA LOGS

NWIRP CALVERTON SA-MW-129D 12/17/07



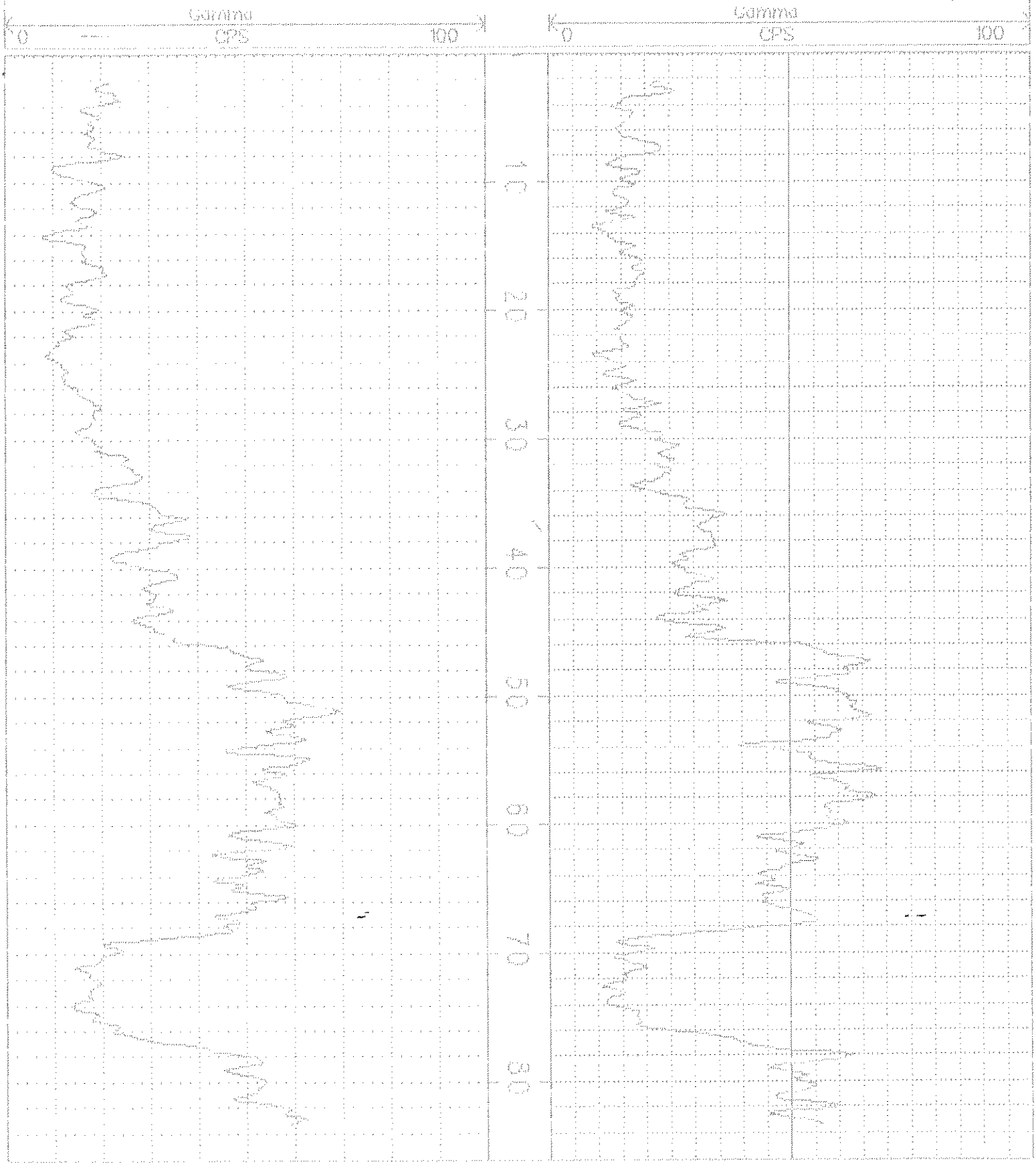
NWIRP CALVERTON SA-MW-129D 12/17/07

NWIRP CALVERTON SA-MW-126D 12/04/07



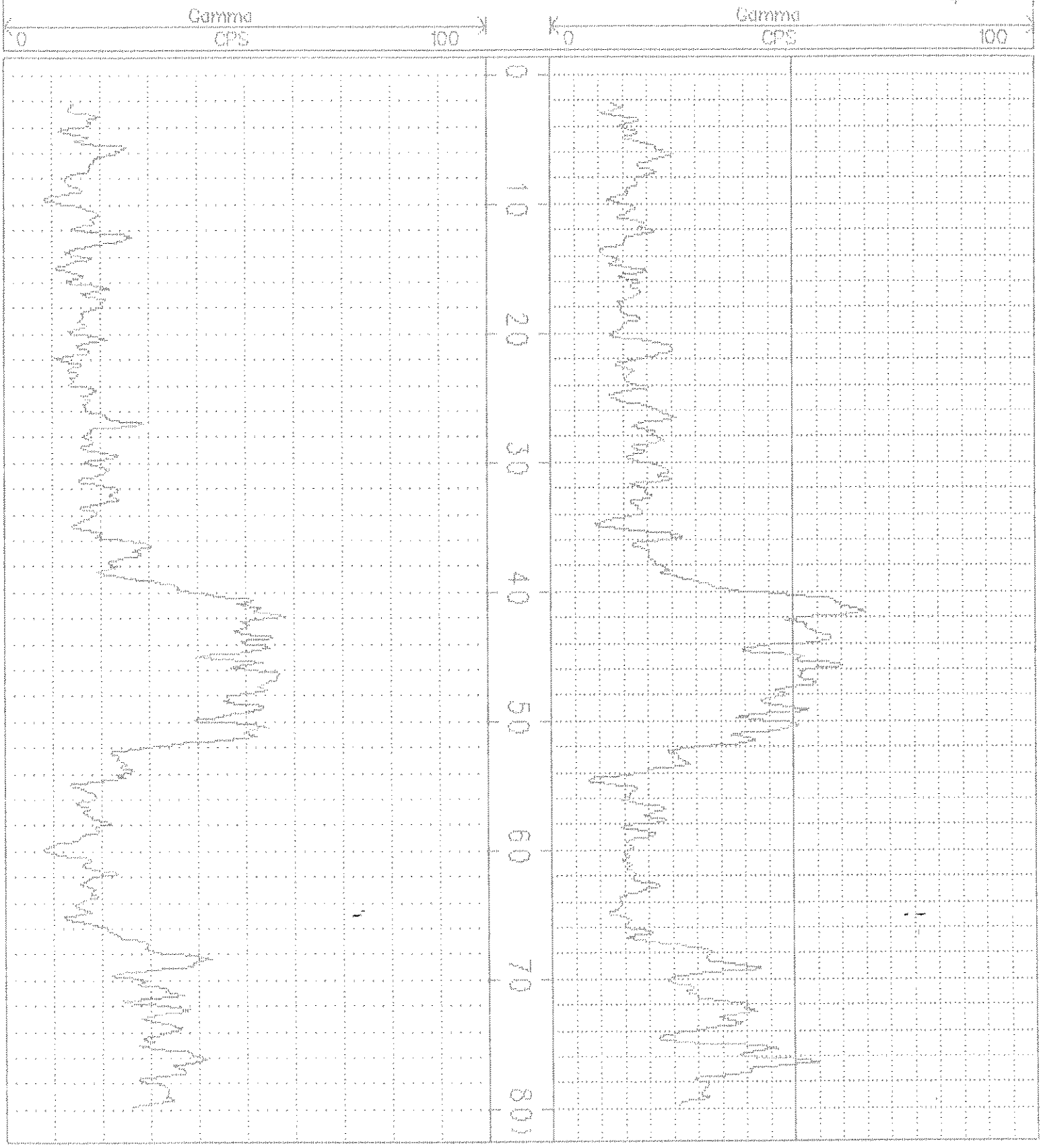
NWIRP CALVERTON SA-MW-126D 12/04/07

NWIRP CALVERTON SA-MW-127D 12/07/07



NWIRP CALVERTON SA-MW-127D 12/07/07

(C: SOBNWIRSAMPARBVERTON SA-MW-128D 12/12/07



(C: SOBNWIRSAMPARBVERTON SA-MW-128D 12/12/07

APPENDIX H

GROUNDWATER SAMPLE LOG SHEETS AND LOW FLOW PURGE DATA SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

FC-MW01I 20080114

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FCMW01-I
Sample Location: Fuel Cal Area
Sampled By: VAS
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-14-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1500	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ~~NA~~
Method: Submersible pump	clear	5.38	0.077	12.96	1.65	4.75	144	0.05

PURGE DATA:

Date: 1-14-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 4 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD):								
Static Water Level (WL): 8.92'								
One ~~Casing~~ Sat screen Volume(gal/L) ~25								
Start Purge (hrs): 1358								
End Purge (hrs): 1500								
Total Purge Time (min): 62								
Total Vol. Purged (gal/L): ~9								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	
—	—	

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW01-I
DATE: 1-14-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1358	8.92'	475	5.40	.074	19.5	5.59	12.26	0.05	99.5	clear
1400	8.92'	475	5.54	0.073	21.4	6.17	12.06	0.05	110.5	clear
1405	8.92'	450	5.48	0.074	45.5	5.57	12.43	0.05	115.1	slight Tint (Tan)
1410	8.92'	450	5.45	0.073	23.0	5.72	12.57	0.05	120.3	clear
1415	8.92'	450	5.43	0.073	15.1	5.70	12.65	0.04	124.2	clear
1420	8.92'	440	5.41	0.073	10.60	5.29	12.70	0.04	131.3	clear
1425	8.92'	440	5.41	0.074	7.45	5.20	12.72	0.05	133.0	clear
1430	8.92'	440	5.40	0.075	6.87	5.14	12.76	0.05	135.1	clear
1435	8.92'	440	5.39	0.075	6.70	5.09	12.83	0.05	136.4	clear
1440	8.92'	440	5.39	0.076	3.89	4.91	12.88	0.05	138.5	clear
1445	8.92'	440	5.39	0.076	1.38	4.88	12.90	0.05	140.0	clear
1450	8.92'	440	5.38	0.076	1.62	4.84	12.93	0.05	141.1	clear
1455	8.92'	440	5.38	0.077	1.70	4.79	12.95	0.05	142.0	clear
1500	8.92'	440	5.38	0.077	1.65	4.75	12.96	0.05	144.0	clear - collect sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW015-20080114
Sample Location: FC-MW-015
Sampled By: T. ROJAHN
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-14-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA pH
Time: 1512								
Method: SAME	CLEAR	5.92	0.102	11.32	2.37	2.90	-22.6	0.06

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-14-08								
Method: Peristaltic								
Monitor Reading (ppm): NA								
Well Casing Diameter & Material								
Type: 4" Ø			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 17.00								
Static Water Level (WL): 9.08								
One Casing Volume(gal/L) ~20								
Start Purge (hrs): 1352								
End Purge (hrs): 1507								
Total Purge Time (min): 75								
Total Vol. Purged (gal/L): 37.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
SVOCS	4°C	(2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Terry Rojahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW-01S
DATE: 1-14-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1352	9.08	0	—	—	—	—	—	—	-	START PURGE
1402	9.09	500	5.82	0.095	10.40	4.18	11.32	0.06	10.1	5 L CLEAR
1412	9.09	500	5.83	0.095	8.65	5.17	11.27	0.06	6.5	10 L "
1422	9.09	500	5.87	0.098	6.93	5.39	11.44	0.06	-4.9	15 L "
1432	9.09	500	5.88	0.099	4.67	4.64	11.36	0.06	-10.3	20 L "
1442	9.09	500	5.92	0.102	3.52	3.94	11.42	0.06	-17.5	25 L "
1452	9.09	500	5.93	0.102	3.60	3.38	11.37	0.06	-20.7	30 L "
1457	9.09	500	5.95	0.103	3.26	3.11	11.42	0.06	-23.6	32.5 L "
1502	9.09	500	5.92	0.102	3.02	2.96	11.32	0.06	-23.7	35 L "
1507	9.09	500	5.92	0.102	2.37	2.90	11.32	0.06	-22.6	37.5 L "
1512	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Terry Rojah

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

FC-MW02I-20080116

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW02-I
Sample Location: Focal Cal Area
Sampled By: VAS
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL ppt NA
Date: 1-16-08								
Time: 0930								
Method: submersible pump	CLEAR	5.60	0.149	13.50	3.98	1.33	98.7	0.09

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-16-08								
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material Type: 4 inch PVC	See Low Flow Purge Data Sheets							
Total Well Depth (TD): 51.60								
Static Water Level (WL): 8.37								
One ~~Casing~~ Sint Screen Volume(gal/L) ~25								
Start Purge (hrs): 0835								
End Purge (hrs): 0930								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 9								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
–	–

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW02-I
DATE: 1-16-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0825	8.37	475	5.77	0.145	31.0	2.04	13.26	0.09	58.5	very slight Tint (Tan)
0830	8.37	475	5.71	0.146	27.4	1.90	13.25	0.09	63.1	clear
0845	8.37	475	5.67	0.147	21.5	1.68	13.24	0.09	67.0	clear
0850	8.37	475	5.63	0.147	16.7	1.56	13.32	0.09	74.5	clear
0855	8.37	475	5.60	0.147	12.4	1.45	13.40	0.09	81.0	clear
0900	8.37	475	5.59	0.147	9.05	1.44	13.42	0.09	85.2	clear
0905	8.37	475	5.59	0.147	6.85	1.44	13.43	0.09	89.4	clear
0910	8.37	475	5.58	0.147	5.28	1.42	13.42	0.09	92.5	clear
0915	8.37	475	5.58	0.147	4.40	1.40	13.43	0.09	96.3	clear
0920	8.37	475	5.59	0.148	4.36	1.38	13.46	0.09	97.2	clear
0925	8.37	475	5.59	0.148	4.28	1.35	13.48	0.09	98.4	clear
0930	8.37	475	5.60	0.149	3.98	1.33	13.50	0.09	98.7	clear - Collect Sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW02S20080116
Sample Location: FC-MW02S
Sampled By: T. ROJAHN
C.O.C. No.: 0446
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-16-08								
Time: 0940	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA PH
Method: PERISTALTIC	CLEAR	6.08	0.101	10.56	245	0.77	-19.4	0.07

PURGE DATA:

Date: 1-16-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): NA								
Well Casing Diameter & Material								
Type: 4"ϕ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 14.7								
Static Water Level (WL): 8.96								
One Casing Volume(gal/L): ~.5								
Start Purge (hrs): 0827								
End Purge (hrs): 0937								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 35								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
SVOCS	4°C	(2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

HYDROCARBON ODOR

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	FD-011608-01

Signature(s): Terry Rojahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW02S
DATE: 1-16-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0827	8.96	0	–	–	–	–	–	–	–	START PURGE
0837	9.02	500	6.15	0.090	15.7	2.13	9.76	0.06	70.6	5L CLEAR W/WH. FLOCK
0847	9.03	500	6.16	0.094	8.20	0.95	10.07	0.06	61.2	10L " " "
0857	9.04	500	6.16	0.096	5.16	0.80	10.36	0.06	51.6	15L CLEAR
0907	9.04	500	6.15	0.098	3.59	0.79	10.42	0.06	33.4	20L "
0917	9.04	500	6.12	0.099	2.73	0.77	10.56	0.06	24.8	25L "
0927	9.04	500	6.11	0.100	2.55	0.79	10.54	0.07	-15.9	30L "
0932	9.04	500	6.09	0.101	2.45	0.88	10.56	0.07	-12.3	32.5L "
0937	9.04	500	6.08	0.101	2.45	0.77	10.56	0.07	-19.4	35L "
0940	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): Terry Rojah

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW03S 20080115
Sample Location: FC-MW03S
Sampled By: T. ROJAHN
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-15-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA PH
Time: 1715								
Method: PERISTALTIC	CLEAR	6.19	0.075	7.58	3.58	6.39	3.3	0.05

PURGE DATA:

Date: 1-15-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 15.22								
Static Water Level (WL): 8.49								
One Casing Volume(gal/L): 17.3								
Start Purge (hrs): 1610								
End Purge (hrs): 1710								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 25								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
SVOCS	4°C	(2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
✓	—

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW03S
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1610	8:49	0	—	—	—	—	—	—	—	START PURGE
1620	8.66	500	6.35	0.077	9.72	8.07	7.32	0.05	-15.1	5L CLEAR
1630	8.65	400	6.26	0.075	6.02	7.18	7.49	0.05	-1.3	9L "
1640	8.65	400	6.24	0.075	4.96	6.98	7.51	0.05	3.2	13L "
1650	8.65	400	6.21	0.075	4.67	6.55	7.53	0.05	5.4	17L "
1700	8.65	400	6.20	0.075	3.93	6.44	7.48	0.05	4.2	21L "
1710	8.65	400	6.19	0.075	3.58	6.39	7.58	0.05	3.3	25L "
1715	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Tony Rizzi

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

FC-MW04I20080115

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW04-I
Sample Location: Fuel Cel Area
Sampled By: VAS
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL NA ppt
Date: 1-15-08								
Time: 0930								
Method: Submersible pump	CLEAR	5.67	0.098	13.50	4.0	6.11	108.4	0.06

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-15-08								
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material Type: 4 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 51.61								
Static Water Level (WL): 7.27								
One Casing Volume(gal/L): ~25 (Sat screen)								
Start Purge (hrs): 0825								
End Purge (hrs): 0930								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 9								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

- Suffolk County Health department personnel collected split-sample at this location

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW04-I
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0825	7.27	450	5.85	0.099	37.5	8.06	12.97	0.06	36.7	very slight Tint (Tan)
0830	7.27	450	5.75	0.101	18.8	7.20	13.27	0.06	58.6	clear
0835	7.27	450	5.72	0.101	14.0	6.82	13.42	0.06	71.4	clear
0840	7.27	450	5.69	0.100	12.5	6.92	13.44	0.06	74.0	clear
0845	7.27	450	5.68	0.099	10.2	6.77	13.39	0.06	80.2	clear
0850	7.27	450	5.68	0.099	9.5	6.63	13.38	0.06	84.2	clear
0855	7.27	450	5.68	0.099	9.2	6.64	13.40	0.06	86.4	clear
0900	7.27	450	5.67	0.098	7.5	6.55	13.36	0.06	90.7	clear
0905	7.27	450	5.66	0.097	7.1	6.43	13.32	0.06	95.3	clear
0910	7.27	450	5.66	0.097	7.0	6.36	13.36	0.06	98.1	clear
0915	7.27	450	5.67	0.098	7.1	6.29	13.41	0.06	100.3	clear
0920	7.27	450	5.67	0.098	5.5	6.26	13.46	0.06	102.5	clear
0925	7.27	450	5.66	0.098	4.8	6.19	13.53	0.06	105.7	clear
0930	7.27	450	5.67	0.098	4.0	6.11	13.50	0.06	108.4	clear - collect sample

SIGNATURE(S): _____

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MC045 20080115
Sample Location: FC-MW045
Sampled By: T. ROSAHN
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-15-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA
Time: 0930								
Method: PERISTALTIC	CLEAR	5.51	0.060	9.91	8.91	3.34	39.8	0.04

PURGE DATA:

Date: 1-15-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 4" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 15.35								
Static Water Level (WL): 7.35								
One Casing Volume(gal/L): ~20								
Start Purge (hrs): 0821								
End Purge (hrs): 0926								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 32.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
SVOCS	4°C	(2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Tony Rosahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW04S
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0821	7.35	0	–	–	–	–	–	–	–	START PURGE
0831	7.38	500	5.42	0.059	30.0	5.35	9.93	0.04	64.5	5L CLEAR
0841	7.38	500	5.41	0.055	34.5	3.84	9.94	0.04	68.6	10L "
0851	7.38	500	5.43	0.055	25.7	3.90	9.86	0.04	67.7	15L "
0901	7.38	500	5.48	0.055	21.0	3.90	9.86	0.04	67.7	20L "
0911	7.38	500	5.49	0.059	13.4	~~3.48~~ 3.72	9.89	0.04	49.5	25L "
0916	7.38	500	5.50	0.060	13.4	3.39	9.98	0.04	45.2	27.5L "
0921	7.38	500	5.51	0.061	10.73	3.24	9.91	0.04	41.7	30L "
0926	7.38	500	5.51	0.060	8.81	3.34	9.91	0.04	39.8	32.5 "

SIGNATURE(S): Tony Rizzo

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

FC-MW05I 20050115

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW05-I
Sample Location: Fuel Cel Area
Sampled By: VAS
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other SAL ~~NA~~
	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	
Date: 1-15-08								
Time: 1306								
Method: Submersible pump	Clear	5.61	0.136	12.69	0.15	0.45	117.0	0.08

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-15-08								
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 4 inch PVC	See Low Flow Purge Data Sheets							
Total Well Depth (TD): 59.6								
Static Water Level (WL): 9.72								
One ~~Casing~~ SH Screen Volume(gal/L) ~25								
Start Purge (hrs): 1150								
End Purge (hrs): 1305								
Total Purge Time (min): 75								
Total Vol. Purged (gal/L): 9								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
–	–

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW05-I
DATE: 7-5-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1150	9.72	450	5.35	0.140	24.5	4.59	11.65	0.07	125.5	clear
1155	9.72	450	5.85	0.148	23.7	2.24	12.34	0.08	120.0	clear
1200	9.72	450	5.81	0.144	18.0	1.16	12.61	0.08	117.6	clear
1205	9.72	450	5.78	0.142	13.2	0.84	12.59	0.08	117.1	clear
1210	9.72	450	5.75	0.141	11.1	0.65	12.57	0.08	116.4	clear
1215	9.72	450	5.68	0.139	8.17	0.60	12.60	0.08	117.0	clear
1220	9.72	450	5.66	0.138	7.22	0.57	12.64	0.08	117.3	clear
1225	9.72	450	5.64	0.138	6.00	0.54	12.67	0.08	117.5	clear
1230	9.72	450	5.63	0.137	4.05	0.52	12.68	0.08	117.4	clear
1235	9.72	450	5.62	0.137	2.51	0.50	12.69	0.08	117.3	clear
1240	9.72	450	5.62	0.136	1.73	0.49	12.68	0.08	117.2	clear
1245	9.72	450	5.62	0.136	1.14	0.48	12.67	0.08	117.0	clear
1250	9.72	450	5.62	0.136	0.95	0.47	12.69	0.08	117.3	clear
1255	9.72	450	5.61	0.136	0.65	0.46	12.68	0.08	117.1	clear
1300	9.72	450	5.61	0.136	0.30	0.46	12.70	0.08	116.9	clear - collect sample
1305	9.72	450	5.61	0.136	0.15	0.45	12.69	0.08	117.0	clear

SIGNATURE(S): _____

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW05S20080115
Sample Location: FC-MW05S
Sampled By: T. RUJAHN
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-15-08	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL NA
Time: 1200								
Method: Peristaltic	CLEAR	5.06	0.056	10.32	4.21	2.40	193.8	0.04

PURGE DATA:

Date: 1-15-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 1040								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 4"Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 17.95								
Static Water Level (WL): 10.39								
One Casing Volume(gal/L): ~18								
Start Purge (hrs): 1040								
End Purge (hrs): 1155								
Total Purge Time (min): 75								
Total Vol. Purged (gal/L): 37.5L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
SVOCS	4°C	(2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD —

Duplicate ID No.: —

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW05S
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1040	10.39	0	—	—	—	—	—	—	—	START PURGE
1050	10.39	500	5.05	0.057	11.2	3.80	9.94	0.04	141.1	5L CLEAR
1100	10.40	500	5.02	0.057	12.4	2.35	10.04	0.04	160.5	10L "
1110	10.40	500	5.00	0.057	9.12	2.21	10.08	0.04	173.2	15L "
1120	10.40	500	5.01	0.057	7.36	2.24	10.14	0.04	181.5	20L "
1130	10.40	500	5.06	0.055	5.09	2.42	10.07	0.04	186.2	25L "
1140	10.40	500	5.01	0.057	4.00	2.46	10.31	0.04	193.1	30L "
1145	10.40	500	5.08	0.055	4.53	2.47	10.14	0.04	190.5	32.5L "
1150	10.40	500	5.04	0.056	4.40	2.26	10.29	0.04	193.5	35 L "
1155	10.40	500	5.06	0.056	4.21	2.40	10.32	0.04	193.8	37.5L "
1200	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Tim Royal

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

FC-MW06S-20080115

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW06-$
Sample Location: Fuel Cal Area
Sampled By: VAS
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-15-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1530	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ~~NA~~
Method: submersible pump	clear	6.54	0.487	13.80	0.15	3.17	107.7	0.30

PURGE DATA:

Date: 1-15-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 4 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 21.15								
Static Water Level (WL): 12.43								
One Casing Volume(gal/L): 22								
Start Purge (hrs): 1355								
End Purge (hrs): 1530								
Total Purge Time (min): 95								
Total Vol. Purged (gal/L): 12								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

- Sample Split with Suffolk County Health Department

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): [illegible]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW06-F
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1355	12.43	450	5.97	0.477	39.9	3.13	12.75	0.30	159.9	slight Tint (Tan)
1400	12.43	450	6.18	0.480	44.5	3.38	12.88	0.31	155.6	"
1405	12.43	450	6.25	0.482	60.5	3.57	12.96	0.31	152.5	slightly cloudy (Tan
1410	12.43	450	6.40	0.510	38.5	3.46	13.22	0.32	146.0	slight Tint (Tan)
1415	12.43	450	6.53	0.517	23.8	3.31	13.66	0.32	140.9	clear
1420	12.43	450	6.55	0.513	15.7	3.26	13.73	0.32	136.4	clear
1425	12.43	450	6.56	0.512	6.89	3.27	13.74	0.32	133.9	clear
1430	12.43	450	6.56	0.512	4.56	3.21	13.75	0.32	128.8	clear
1435	12.43	450	6.56	0.512	3.33	3.15	13.73	0.32	125.1	clear
1440	12.43	450	6.56	0.510	2.42	3.11	13.77	0.32	123.0	clear
1445	12.43	450	6.56	0.510	1.98	3.08	13.82	0.32	120.9	clear
1450	12.43	450	6.55	0.507	1.05	3.10	13.84	0.31	118.5	clear
1455	12.43	450	6.56	0.504	0.70	3.09	13.86	0.31	115.8	clear
1500	12.43	450	6.55	0.499	0.60	3.09	13.84	0.31	114.7	clear
1505	12.43	450	6.55	0.498	0.55	3.11	13.83	0.31	113.5	clear - * sample ready to be
1510	12.43	450	6.54	0.493	0.35	3.14	13.81	0.30	111.6	clear collected - VS waiting
1515	12.43	450	6.54	0.489	0.25	3.12	13.82	0.30	110.0	clear for Health Department
1520	12.43	450	6.54	0.488	0.22	3.14	13.84	0.30	109.7	clear personnel to collect
1525	12.43	450	6.54	0.488	0.20	3.15	13.83	0.30	108.9	clear split
1530	12.43	450	6.54	0.487	0.15	3.17	13.80	0.30	107.7	clear - collect sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW07S 20080115
Sample Location: FC-MW07S
Sampled By: T. ROSAHN
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL ppt NA
Date: 1-15-08								
Time: 1443								
Method: PERISTALTIC	CLEAR	6.14	0.078	11.17	3.39	2.22	-120.9	0.05

PURGE DATA:

Date: 1-15-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): -								
Well Casing Diameter & Material								
Type: 4" PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 17.4								
Static Water Level (WL): 10.44								
One Casing Volume(gal/L): 17.3								
Start Purge (hrs): 1333								
End Purge (hrs): 1438								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 34.25								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	3 x (3) 40ml Vails	✓
SVOCS	4°C	3 x (2) 1L Glass Amber	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD YES

Duplicate ID No.: —

Signature(s): Ty Rosahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW07
DATE: 1-15-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1333	10.44	475	6.05	0.074	–	3.84	11.09	0.05	-61.0	very slight T.at (Brown)
1343	10.44	475	6.06	0.074	–	3.35	11.18	0.05	-65.2	" 9.5 L
1353	10.44	450	6.07	0.075	5.28	2.84	11.08	0.05	-81.2	CLEAR 14 L
1403	10.44	450	6.10	0.076	3.88	2.65	11.11	0.05	-96.4	" 18.5 L
1413	10.44	450	6.12	0.076	3.87	2.68	11.09	0.05	-102.9	" 23 L
1423	10.45	450	6.13	0.077	3.15	2.44	11.10	0.05	-114.4	" 27.5 L
1433	10.45	450	6.14	0.077	3.39	2.33	11.07	0.05	-118.1	" 32 L
1438	10.45	450	6.14	0.078	3.39	2.22	11.17	0.05	-120.8	" 34.25 L
1443	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): Terry Rojas

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, SITE 6A

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: FC-MW08S 20080114 (FC-MW08-S)
Sample Location: Fuel Cal Area
Sampled By: TR
C.O.C. No.: 0445
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL ~~NA~~
Date: 1-14-08								
Time: 1645								
Method: Submersible pump	Clear	6.02	0.074	9.67	1.98	1.79	49	0.05

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-14-08								
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material Type: 2 inch	See Low Flow Purge Data Sheets							
Total Well Depth (TD): 14.75								
Static Water Level (WL): 6.18								
One Casing Volume(gal/L): ~21								
Start Purge (hrs): 1545								
End Purge (hrs): 1645								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 8								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3
SVOCS	4°C	(2) 1L Glass Amber	2

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD —
Duplicate ID No.: —

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: FC-MW08-4
DATE: 1-14-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1545	6.15'	450	5.94	0.067	23.5	3.58	9.32	0.04	117	clear
1555	6.15'	450	6.00	0.069	12.4	2.94	9.44	0.05	113	clear
1605	6.15'	450	6.02	0.071	10.3	2.44	9.46	0.05	103	clear
1615	6.15'	450	6.02	0.073	8.45	2.23	9.49	0.05	92	clear
1620	6.15'	450	6.02	0.073	6.51	2.09	9.58	0.05	83.5	clear
1625	6.15'	450	6.02	0.074	4.67	1.93	9.67	0.05	74.4	clear
1630	6.15'	450	6.02	0.074	2.90	1.87	9.64	0.05	68.6	clear
1635	6.15'	450	6.02	0.074	2.25	1.84	9.65	0.05	61.0	clear
1640	6.15'	450	6.02	0.074	2.10	1.81	9.66	0.05	57.7	clear
1645	6.15'	450	6.02	0.074	1.98	1.79	9.67	0.05	49.0	clear - collect Sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: ET-MW01S-20080205
Sample Location: ET-MW01S
Sampled By: T. ROHAHN
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL NA ppt
Date: 2-05-08								
Time: 1025								
Method: Peristaltic	CLEAR	6.44	0.047	11.06	3.21	6.71	-42.3	0.03

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 2-05-08								
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 19.35								
Static Water Level (WL): 10.13								
One Casing Volume(gal/L): 6								
Start Purge (hrs): 0905								
End Purge (hrs): 1020								
Total Purge Time (min): 75								
Total Vol. Purged (gal/L): 22.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	3 X (3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD YES

Duplicate ID No.: —

Signature(s): Terry Rohahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: ET-MW01S
DATE: 2-05-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0905	10.13	0	—	—	—	—	—	—	—	START PURGE
0915	10.13	300	7.41	0.054	20.7	7.09	10.95	0.03	-2.1	3,000 CLEAR
0925	10.13	300	7.06	0.049	12.0	6.40	10.97	0.03	-23.1	6,000 CLEAR
0935	10.13	300	6.84	0.049	8.49	6.41	10.96	0.03	-41.5	9,000 CLEAR
0945	10.13	300	6.70	0.047	5.28	6.60	10.92	0.03	-51.1	12,000 CLEAR
0955	10.13	300	6.57	0.047	5.41	6.54	11.06	0.03	-46.0	15,000 CLEAR
1005	10.13	300	6.51	0.047	3.30	6.69	11.04	0.03	-45.2	18,000 CLEAR
1015	10.13	300	6.45	0.047	3.27	6.73	11.04	0.03	-42.8	21,000 CLEAR
1020	10.13	300	6.44	0.047	3.21	6.71	11.06	0.03	-42.3	22,500 CLEAR
1025	—	—	—	—	—	—	—	—	—	START SAMPLING

SIGNATURE(S): [illegible]

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

ET-MW02S-20080205

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.:
Sample Location: ET-MW02S
Sampled By: SJC
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: SAL

Date: 2/5/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other PPT.
Time: 1145	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	NA
Method: PERISTALTIC	CLEAR	6.37	.117	11.71	.39	3.10	61.8	.07

PURGE DATA:

Date: 2/5/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2"Φ PVC (STICK UP)			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 19.23								
Static Water Level (WL): 9.68								
One Casing Volume(gal/L): 6.2								
Start Purge (hrs): 1040								
End Purge (hrs): 1145								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 19.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

USE 6.2 L AS 1 VOL (10')

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: ET-MW02S
DATE: 02/05/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity ~~(%)~~ PPT	ORP (mV)	Comments (Volume & Color)
1040	9.68	300	—	—	—	—	—	—	—	CLEAR
1050	9.70	300/3L	6.26	.129	2.25	4.23	11.50	.08	54.5	CLEAR
1100	9.70	" /6L	6.31	.127	2.72	2.92	11.54	.08	56.6	"
1110	9.70	" /9L	6.34	.121	1.81	2.90	11.63	.08	58.0	"
1120	9.70	" /12L	6.35	.119	1.20	2.90	11.60	.08	60.1	"
1130	9.69	" /15L	6.37	.118	.84	2.96	11.70	.08	60.2	"
1140	9.69	" /18L	6.37	.117	.42	3.07	11.61	.07	61.7	"
1145	9.70	" /19.5	6.37	.117	.39	3.10	11.71	.07	61.8	"
	SAMPLE @	1145	HRS							

SIGNATURE(S): SJ Conti

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

ET-MW03S-20080205

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.:
Sample Location: ET-MW03S
Sampled By: SJC
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 2/5/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other SAL
Time: 1005	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	~~NA~~ PPT
Method: PERISTALTIC	CLEAR	5.65	.047	11.01	.95	2.46	66.8	.03

PURGE DATA:

Date: 2/5/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" PVC (STICKUP)			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 19.70								
Static Water Level (WL): 10.61								
One Casing Volume(gal/L): 6.2								
Start Purge (hrs): 0900								
End Purge (hrs): 1005								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 19.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	6 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

USE 10' FOR VOL CALCS

6.2L/VOL

18.6 TOT

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	FD-020508-01

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: ET-MW03S
DATE: 2/5/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity PPT ~~(%)~~	ORP (mV)	Comments (Volume & Color)
0900	10.61	300	—	—	—	—	—	—	—	
0910	10.61	300/3L	5.81	.057	15.5	3.96	11.01	.04	12.7	SL TURBID
0920	10.61	300/6L	5.70	.051	6.56	3.06	11.01	.03	29	CLEAR
0930	10.61	300/9L	5.68	.048	2.43	2.81	11.06	.03	39.2	"
0940	10.61	300/12L	5.66	.048	—	2.67	10.98	.03	52.7	"
0950	10.61	300/15L	5.65	.047	1.00	2.65	10.97	.03	59.3	"
1000	10.61	300/18L	5.65	.047	1.00	2.47	11.07	.03	65.5	"
1005	10.61	300/19.5	5.65	.047	.95	2.46	11.01	.03	66.8	"
	SAMPLED @ 1005 HRS (DUP ALSO)									

SIGNATURE(S): SJ Conti

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW-1265-20080131
Sample Location: SA-MW1265
Sampled By: T. ROSAHN
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL NA not
Date: 1-31-08								
Time: 0935								
Method: Peristaltic	CLEAR	5.63	0.122	8.57	3.75	2.68	-53.1	0.09

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-31-08								
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 17.61								
Static Water Level (WL): 5.13								
One Casing Volume(gal/L): 6.2 (Sat Screen)								
Start Purge (hrs): 0837								
End Purge (hrs): 0932								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L): 22								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

SULFUR ODOR

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Terry Rosahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW126S
DATE: 1-31-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0837	5.13	0	—	—	—	—	—	—	—	Start Purge
0847	5.16	400	5.68	0.126	3.77	4.79	7.66	0.10	-37.2	4000 CLEAR
0857	5.18	400	5.66	0.133	4.58	3.24	8.38	0.09	-45.6	8,000 "
0907	5.18	400	5.65	0.127	3.68	2.95	8.50	0.09	-49.3	12,000 "
0917	5.18	400	5.63	0.123	3.47	2.83	8.48	0.09	-52.1	16,000 "
0927	5.18	400	5.63	0.122	4.32	2.69	8.64	0.09	-54.7	20,000 "
0932	5.18	400	5.63	0.122	3.75	2.68	8.57	0.09	-55.1	24,000 "
0935	—	—	—	—	—	—	—	—	—	~~24,000~~ (TA) Sample Time

SIGNATURE(S): Terry Boyd

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW126I-20080205
Sample Location: SA-MW126I
Sampled By: SJC
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: SAL

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other ~~PPT~~ ~~NA~~
Date: 2/5/08								
Time: 1530								
Method: PERISTALTIC	CLEAR	6.48	.148	10.85	3.77	.32	-93	.10

PURGE DATA:

Date: 2-5-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2"Φ PVC (STICK UP)			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 52.17								
Static Water Level (WL): 5.03								
One ~~Casing~~ Sat Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1420								
End Purge (hrs): 1530								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 21								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

10' SCREEN 6.2 L/SCR VOL.

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW126I
DATE: 2-5-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity PPT (%)	ORP (mV)	Comments (Volume & Color)
1420	5.03	300±	—	—	—	—	—	—	—	CLEAR
1430	5.05	300/3L	6.57	.149	15.1	1.48	10.74	0.10	-32	"
1440	5.05	300/6L	6.48	.150	12.9	.57	10.80	0.10	-76	"
1450	5.05	300/9L	6.49	.149	6.08	.45	10.81	0.10	-83	"
1500	5.05	300/12L	6.48	.149	—	.40	10.82	0.10	-87	"
1510	5.05	300/15L	6.48	.148	2.83	.35	10.84	0.10	-90	"
1520	5.05	300/18L	6.49	.148	5.10	.34	10.86	0.10	-92	"
1530	5.05	300/21L	6.48	.148	3.77	.32	10.85	0.10	-93	"
	SAMPLED @ 1530 HRS									

SIGNATURE(S): SJ Conti

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW-126D-20080205
Sample Location: SA-MW126D
Sampled By: T. ROJAHN
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 2-05-08	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL ppt NA
Time: 1615								
Method: PERISTALTIC	CLEAR	7.43	0.159	10.53	49.6	0.39	-188.3	0.10

PURGE DATA:

Date: 2-05-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2"Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 85.24								
Static Water Level (WL): 7.19								
One ~~Casing~~ SAT SCREEN Volume(gal/L): 6.2								
Start Purge (hrs): 1421								
End Purge (hrs): 1611								
Total Purge Time (min): 110								
Total Vol. Purged (gal/L): 29								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD — Duplicate ID No.: —

Signature(s): Terry Rogers

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: 5A-MW 126D
DATE: 2-05-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1421	7.19	0	—	—	—	—	—	—	—	Start PURGE
1431	7.20	300	7.21	0.234	240	1.01	10.92	0.15	-33.7	3 000 Cloudy
1441	7.20	300	7.47	0.232	341	0.64	10.99	0.15	-135.6	6,000 "
1451	7.20	300	7.47	0.234	590	0.53	10.94	0.11	-179.3	9 000 "
1501	7.20	300	7.47	0.182	192	0.43	10.96	0.12	-179.4	12 000 Sl Cloudy
1511	7.20	300	7.54	0.166	285	0.53	10.97	0.11	-183.5	15000 Cloudy
1521	7.20	300	7.47	0.152	202	0.41	10.99	0.10	-188.6	18000 "
1531	7.20	300	7.44	0.147	150	0.37	10.93	0.10	-188.7	21000 Sl. Cloudy
1541	7.20	200	7.43	0.151	113	0.38	10.77	0.10	-187.9	23000 Sl. cloudy
1551	7.20	200	7.43	0.151	80.1	0.36	10.77	0.10	-184.9	25000 V Sl. Cloudy
1601	7.20	200	7.44	0.157	59.5	0.39	10.55	0.10	-186.1	27000 " " "
1606	7.20	200	7.42	0.157	51.3	0.40	10.54	0.10	-188.3	28,000 " " "
1611	7.20	200	7.43	0.158	49.6	0.39	10.53	0.10	-188.3	29,000 " " "
1615	—	—	—	—	—	—	—	—	—	Start SAMPLING

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW-1275-20080131
Sample Location: SA-MW1275
Sampled By: TERRY ROJAHN
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-31-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: (TR) ~~1145~~ 1150	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA MT
Method: Peristaltic	CLEAR	5.22	0.072	10.40	5.41	4.80	68.5	0.05

PURGE DATA:

Date: 1-31-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" ϕ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 17.30								
Static Water Level (WL): 7.03								
One ~~Casing~~ Sat. Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1020								
End Purge (hrs) (TR) ~~1140~~ 1145								
Total Purge Time (min): 85								
Total Vol. Purged (gal/L): 25.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	2 × (3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	FD-013108-01

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW1275
DATE: 1-31-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1020	7.03	0	—	—	—	—	—	—	—	Start PURGE
1030	7.03	300	5.08	0.070	13.9	4.70	9.89	0.04	23.5	3,000 CLEAR
1040	7.03	300	5.13	0.070	10.5	5.15	10.10	0.05	36.0	6,000 "
1050	7.03	300	5.16	0.071	8.26	5.27	10.24	0.04	39.9	9,000 "
1100	7.03	300	5.19	0.070	7.38	5.17	10.26	0.05	48.4	12,000 "
1110	7.03	300	5.20	0.072	6.55	5.10	10.38	0.05	50.7	15,000 "
1120	7.03	300	5.20	0.071	6.28	4.94	10.22	0.05	56.3	18,000 "
1130	7.03	300	5.20	0.072	6.03	4.77	10.47	0.05	61.5	21,000 "
1140	7.03	300	5.22	0.072	5.26	4.78	10.38	0.05	64.9	24,000 "
1145	7.03	300	5.22	0.072	5.41	4.80	10.40	0.05	68.5	25,500 "
1150	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW127I-200801 31
Sample Location: SA-MW127I
Sampled By: SJC
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: SAL

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1/31/08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	~~NA~~ PPT
Time: 1450								
Method: PERISTALTIC	CLEAR	6.12	.169	11.31	4.44	0.56	38.0	.11

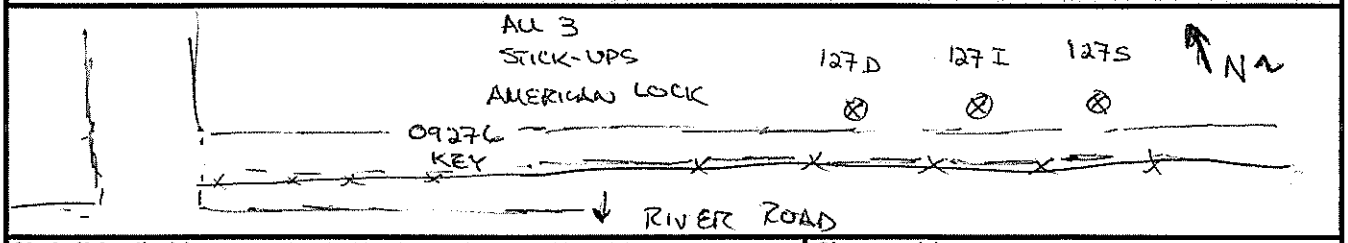
PURGE DATA:

Date: 1/31/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 2" Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 48.32								
Static Water Level (WL): 7.25								
One ~~Casing~~ Sat. Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1400								
End Purge (hrs): 1450								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 20								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW127I
DATE: 1/31/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity PPT (%)	ORP (mV)	Comments (Volume & Color)
1400	7.25	~400	—	—	—	—	—	—	—	SL. TURBD
1410	7.25	400/4L	6.20	.157	17.5	1.65	11.35	.10	4.9	CLEAR
1420	7.25	400/8L	6.14	.162	15.7	0.80	11.32	.11	16.4	"
1430	7.25	400/12L	6.13	.167	14.6	0.65	11.27	.11	25.8	"
1440	7.25	400/16L	6.12	.169	8.09	0.59	11.30	.11	33.4	"
1450	7.25	400/20L	6.12	.169	4.44	0.56	11.31	.11	38.0	
	SAMPLE @	1450	HRS							

SIGNATURE(S): SJ Conti

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-MW-127D-20080131

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.:
Sample Location: SA-MW127D
Sampled By: T. ROJAHN
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-31-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ppt NA
Time: 1510								
Method: Peristaltic	CLEAR	9.56	0.220	11.37	7.87	0.44	-50.8	0.15

PURGE DATA:

Date: 1-31-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 77.02								
Static Water Level (WL): 8.88								
One ~~Casing~~ Sat Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1357								
End Purge (hrs): 1507								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 23.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	3x (3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD YES

Duplicate ID No.: —

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW127D
DATE: 1-31-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1357	8.88	0	—	—	—	—	—	—	—	START PURGE
1407	8.88	350	10.98	0.465	678	3.00	11.80	0.33	-97.4	3500 CLOUDY
1417	8.88	350	10.23	0.339	138	3.52	11.51	0.22	-83.6	7000 V.SL Cloudy
1427	8.88	350	9.96	0.281	55.1	0.75	11.31	0.18	-76.1	10500 " " "
1437	8.88	-350	9.81	0.249	39.2	0.55	11.48	0.16	-71.5	14000 CLEAR
1447	8.88	350	9.68	0.236	27.8	0.49	11.51	0.15	-63.6	17500 "
1457	8.88	300	9.60	0.228	13.7	0.47	11.48	0.15	-57.2	20500 "
1502	8.88	300	9.57	0.228	10.71	0.45	11.48	0.15	-52.9	22000 "
1507	8.88	300	9.56	0.220	7.87	0.44	11.37	0.15	-50.8	23500 "
1510	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): [signature]

MS/MSD

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW128S-20080131
Sample Location: SA-MW128-S
Sampled By: S. CONTI
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/31/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1010	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	NA
Method: PERISTALTIC	CLEAR	5.56	.069	9.65	1.28	3.65	46.2	

PURGE DATA:

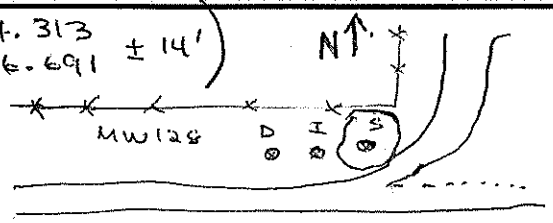
Date: 1/31/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" ϕ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 19.30								
Static Water Level (WL): 9.29								
One Casing Volume(gal/L): 6.2								
Start Purge (hrs): ~~1040~~ HRS	0850 SJC							
End Purge (hrs): 1010								
Total Purge Time (min): 100								
Total Vol. Purged (gal/L): 19								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

(GPS N 40° 54.313 W 072° 46.691 ± 14')



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW128-S
DATE: 1/31/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0850	9.29	~200	—	—	—	—	—	—	—	SL TURBID TO
0900	9.30	200/2L	5.43	.062	19.6	4.12	9.34		44.5	CLEAR
0910	9.30	" /4L	5.40	.064	7.96	3.82	9.54	—	52.2	"
0920	9.30	" /6L	5.45	.067	3.20	3.79	9.54	—	47.0	"
0930	9.30	" /8L	5.49	.069	2.18	3.67	9.65	—	42.8	"
0940	9.30	" /10L	5.52	.070	2.33	3.59	9.81	—	44.8	"
0950	9.30	300/13L	5.53	.070	1.25	3.64	9.73	—	44.0	"
1000	9.30	" /16L	5.56	.070	1.42	3.71	9.65	—	43.3	"
1010	9.30	" /19L	5.56	.069	1.28	3.65	9.65	—	46.2	"
1020	— SJC	~~[illegible]~~								
	Sample @	1010	HRS							~0950 RATE WAS ~300ml/min.
				6.2 x3 VOL 18.6 L						

SIGNATURE(S): SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW128I-20080130
Sample Location: SA-MW128I
Sampled By: T. ROJAHN
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-30-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA ppt
Time: 1710								
Method: Peristaltic	CLEAR	5.69	0.066	11.00	9.95	1.27	22.3	0.04

PURGE DATA:

Date: 1-30-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 42.31								
Static Water Level (WL): 9.73								
One Casing Volume(gal/L): 6.2 (Sat. screen)								
Start Purge (hrs): 1610								
End Purge (hrs): 1705								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L): 20.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Terry Rojahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW128I
DATE: 1-30-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1610	9.73	0	–	–	–	–	–	–	–	START PURGE
1620	9.73	400	5.79	0.062	17.5	2.20	11.01	0.04	36.8	4,000 CLEAR
1630	9.73	400	5.69	0.065	25.0	1.73	11.06	0.04	30.2	8,000 "
1640	9.73	400	5.69	0.066	17.7	1.46	11.03	0.04	26.2	12,000 "
1650	9.73	400	5.70	0.067	18.7	1.32	11.02	0.04	23.1	16,000 "
1700	9.73	300	5.70	0.066	13.2	1.29	11.01	0.04	22.7	19,000 "
1705	9.73	300	5.69	0.066	9.95	1.27	11.00	0.04	22.3	20,500 "
1710	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-MW128D-20080131

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.:
Sample Location: SA-MW128D
Sampled By: SJC
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/31/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1155	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	NA
Method: PERISTALTIC	CLEAR	6.17	.289	10.98	10	.36	-133	—

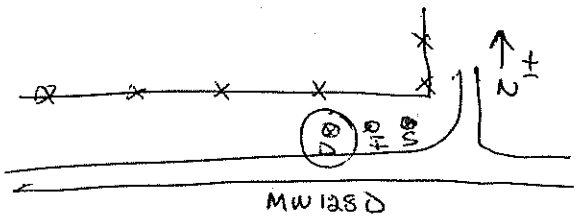
PURGE DATA:

Date: 1/31/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 68.22								
Static Water Level (WL): 10.00								
One ~~Casing~~ Sat. Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1040								
End Purge (hrs): 1150								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 22								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW128-S
DATE: 1/31/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1040	10.00	400	—	—	—	—	—	—	—	TURBID
1050	10.02	400/4L	6.13	.564	614	1.48	11.26	—	-97	~~CLEAR~~ TURBID
1100	10.02	300/7L	6.28	.485	93	.60	11.06	—	-133	CLEAR TO SL TURBID
1110	10.02	" / 10L	6.27	.405	47	.54	10.96	—	-133	"
1120	10.02	" / 13L	6.23	.347	33	.43	10.97	—	-131	"
1130	10.02	" / 16L	6.19	.316	27	.39	10.89	—	-132	"
1140	10.02	" / 19L	6.19	.300	17	.37	10.88	—	-133	"
1150	10.02	" / 22L	6.17	.289	10	.36	10.88	—	-133	"
	SAMPLE @	1155 HRS								

SIGNATURE(S): SJ Conte

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW-1295-20080117
Sample Location: SA-MW-1295
Sampled By: T. ROSAHN
C.O.C. No.: 112G00903
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-17-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA ppt
Time: 1200								
Method: PERISTALTIC	CLEAR	5.24	0.075	11.66	0.44	1.60	150.9	0.05

PURGE DATA:

Date: 1-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 31.55								
Static Water Level (WL): 22.56								
One Casing Volume(gal/L): 5.6								
Start Purge (hrs): 1055								
End Purge (hrs): 1155								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 24								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Terry Rosahn

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW-129S
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1055	22.55	0	—	—	—	—	—	—	—	START PURGE
1105	22.56	400	5.37	0.083	8.09	2.67	11.59	0.05	125.4	4L CLEAR
1115	22.56	400	5.28	0.078	3.22	1.97	11.54	0.05	133.3	8L "
1125	22.56	400	5.24	0.076	1.51	1.78	11.65	0.05	141.2	12L "
1135	22.56	400	5.24	0.075	0.86	1.70	11.64	0.05	144.8	16L "
1145	22.56	400	5.25	0.076	0.45	1.61	11.65	0.05	147.7	20L "
1155	22.56	400	5.24	0.075	0.44	1.60	11.66	0.05	150.8	24L "
1200	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Terry Rojas

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW-129I-20090117
Sample Location: SA-MW-129I
Sampled By: T. ROJAHN
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-17-08	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL ppt NA
Time: 1455								
Method: PERISTALTIC	CLEAR	5.48	0.092	11.24	2.05	1.53	79.1	0.06

PURGE DATA:

Date: 1-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 2"Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 62.6								
Static Water Level (WL): 22.81								
One ~~Casing~~ SAT Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1400								
End Purge (hrs): 1450								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 17.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW-129I
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1400	22.81	0	—	—	—	—	—	—	—	START PURGE
1410	22.81	350	5.55	0.092	38.5	2.42	11.21	0.06	72.2	3.5 L CLEAR
1420	22.81	350	5.51	0.092	19.5	2.21	11.23	0.06	77.3	7 L "
1430	22.81	350	5.49	0.092	9.73	2.10	11.25	0.06	80.8	10.5 L "
1440	22.81	350	5.48	0.092	2.40	1.63	11.24	0.06	79.6	14 L "
1445	22.81	350	5.49	0.092	2.15	1.58	11.25	0.06	79.9	15.75 L "
1450	22.81	350	5.49	0.092	2.05	1.53	11.24	0.06	79.1	17.5 L "
1455	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Terry Rogers

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-MW129D-20080130
Sample Location: MW129D
Sampled By: SJC
C.O.C. No.: 112G00903-02
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other NA SAL
Date: 1/30/08								
Time: 1600								
Method: PERISTALTIC	CLEAR	6.45	.137	10.72	6.42	.51	-130.1	.09

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1/30/08								
Method: PERISTALTIC								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 92.45								
Static Water Level (WL): 22.73								
One Casing Volume(gal/L): SAT screen 6.2								
Start Purge (hrs): 1425								
End Purge (hrs): 1550								
Total Purge Time (min): 85								
Total Vol. Purged (gal/L): 19L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

USE SAT SCREEN FOR VOLS (10')

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-MW129D
DATE: 1/30/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1425	22.73	300	—	—	—	—	—	—	—	CLEAR
1435	22.79	300/3L	6.37	.138	28.8	1.81	10.84	—	-105.9	"
1445	22.78	300/6L	6.42	.138	21.2	.71	10.87	—	-115.1	"
1455	22.79	200/8L	6.41	.138	19.3	.63	10.84	—	-130.4	"
1505	22.78	200/10L	6.42	.138	16.4	.60	10.83	—	-128.2	"
1515	22.78	" / 12L	6.43	.137	12.2	.60	10.79	.09	-124.0	"
1525	22.79	" / 14L	6.44	.137	8.96	.58	10.73	.09	-125.3	"
1535	22.78	" / 16L	6.43	.137	8.45	.585	10.71	—	-127.4	"
1545	22.78	" / 18L	6.45	.136	7.19	.54	10.69	—	-128.8	"
1550	22.78	" / 19L	6.45	.137	6.42	.51	10.72	.09	-130.1	"
	Sample @ 1600 HRS									
					6.2					
					3					
					18.6 L					

SIGNATURE(S): S.J. Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-PZ-118S-20080116

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ118-S
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 0946
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Date: 1-16-08								
Time: 1200								
Method: Submersible pump	clear	6.33	0.129	9.84	1.55	2.72	0.08	-93.2

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 1-16-08								
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch PVC								
Total Well Depth (TD): 18.65				(See Low Flow purge sheets)				
Static Water Level (WL): 5.13								
One ~~Casing~~ SAT Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1055								
End Purge (hrs): 1200								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 8								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCl	3 X 40ml Vials	3

OBSERVATIONS / NOTES:

- Sample split collected by Suffolk County Health Department

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: 5A-PZ118-4
DATE: 1-16-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1055	5.13	350	6.26	0.117	45	4.58	10.07	0.08	-18.5	Tinted (Tan)
1100	5.13	325	6.25	0.119	21.4	4.37	9.91	0.08	-23.6	clear
1105	5.13	325	6.25	0.120	17.5	4.19	9.72	0.08	-38.0	clear
1110	5.13	325	6.26	0.121	12.40	3.86	9.76	0.08	-44.3	clear
1115	5.13	325	6.27	0.122	8.85	3.53	9.82	0.08	-55.7	clear
1120	5.13	325	6.27	0.124	6.23	3.36	9.80	0.08	-62.0	clear
1125	5.13	325	6.28	0.125	5.11	3.23	9.76	0.08	-69.9	clear
1130	5.13	325	6.29	0.126	4.71	3.02	9.75	0.08	-74.6	clear
1135	5.13	325	6.30	0.126	3.95	2.89	9.74	0.08	-81.4	clear
1130	5.13	325	6.31	0.127	3.55	2.81	9.83	0.08	-83.5	clear
1145	5.13	325	6.32	0.128	3.21	2.73	9.87	0.08	-88.6	clear
1150	5.13	325	6.32	0.128	2.40	2.75	9.86	0.08	-89.3	clear
1155	5.13	325	6.32	0.128	1.96	2.74	9.85	0.08	-91.0	clear
1200	5.13	325	6.33	0.129	1.55	2.72	9.84	0.08	-93.2	clear - collect sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 211600903

[] Domestic Well Data
[x] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ-118I-20080116
Sample Location: SA-PZ-119I
Sampled By: T. ROSAHN
C.O.C. No.: 0446
Type of Sample:
[] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity PPT ~~(%)~~	Other ORP
Date: 1-16-08								
Time: 1155								
Method: PERISTALTIC	CLEAR	6.52	0.101	9.93	4.07	3.89	0.07	19.0

PURGE DATA:

Date: 1-16-08	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): –								
Well Casing Diameter & Material								
Type: 2" Ø PVC								
Total Well Depth (TD): 61.5								
Static Water Level (WL): 5.70								
One ~~Casing~~ SAT SCREEN Volume(gal/L): 6.2								
Start Purge (hrs): 11:00								
End Purge (hrs): 11:50								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 14								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vials	✓

OBSERVATIONS / NOTES:

RIVER TEMP 3.03 °C
AIR 5.07 °C

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ-118I
DATE: 1/16/08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1100	5.70	0	–	–	–	–	–	–	–	START PURGE
1110	5.70	280	6.46	0.099	14.7	4.73	9.78	0.07	6.0	2,800 CLEAR
1120	5.70	280	6.46	0.100	10.73	4.22	9.92	0.07	11.8	5,600 "
1130	5.70	280	6.48	0.100	9.20	4.16	9.68	0.07	17.9	8,400 "
1140	5.70	280	6.50	0.100	5.88	3.98	9.72	0.07	21.8	11,200 "
1150	5.70	280	6.52	0.101	4.07	3.83	9.93	0.07	19.0	14,000 "
1155	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ-1205-20080117
Sample Location: SA-PZ-1205
Sampled By: V.S. / T.R.
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 01-17-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1640	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ppt NA
Method: Peristaltic	CLEAR	5.55	0.099	11.27	9.35	4.23	89.8	0.06

PURGE DATA:

Date: 01-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): -								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 21.35								
Static Water Level (WL): 6.55								
One ~~Casing~~ Sat. Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1540								
End Purge (hrs): 1635								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L): 14								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	[signature]
—	—	

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ-120S
DATE: 1-17-08

TD= 21.35

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1540	6.55	0	—	—	—	—	—	—	—	Start PURGE
1550	6.58	350	5.57	0.128	181	3.63	11.47	0.08	107.0	3.5L CLEARSE
1600	6.58	350	5.59	0.105	32.5	6.03	11.54	0.08	93.3	7 L CLEAR
1610	6.58	200	5.55	0.103	17.3	4.10	11.23	0.07	92.6	9 L "
1620	6.58	200	5.55	0.102	14.2	4.07	11.24	0.07	92.6	11 L "
1630	6.58	200	5.55	0.100	12.8	4.16	11.23	0.06	90.6	13 L "
1635	6.58	200	5.55	0.099	9.35	4.23	11.27	0.06	89.8	14 L "
1640	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-PZ-1225-20080117

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ122-4
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-17-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ~~NA~~
Time: 1210								
Method: peristaltic pump	clear	5.26	0.163	10.90	0.70	5.90	135.6	0.10

PURGE DATA:

Date: 1-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Low Flow								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 24.83'								
Static Water Level (WL): 15.07								
One Casing Volume(gal/L): ~6								
Start Purge (hrs): 1100								
End Purge (hrs): 1210								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 7								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ122-$
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1100	15.07	425	5.47	0.180	53.0	6.03	10.74	0.12	76.3	Tinted (Tan)
1105	15.07	375	5.35	0.178	33.7	6.44	10.80	0.12	91.4	very slight Tint (Tan)
1110	15.07	375	5.28	0.176	29.4	6.70	10.88	0.12	101.9	clear
1115	15.07	350	5.29	0.176	19.6	6.77	10.86	0.11	104.4	clear
1120	15.07	350	5.30	0.175	14.2	6.84	10.84	0.11	108.7	clear
1125	15.07	350	5.29	0.174	9.86	6.75	10.91	0.11	112.8	clear
1130	15.07	350	5.28	0.172	6.05	6.60	11.00	0.11	119.5	clear
1135	15.07	350	5.27	0.170	3.87	6.43	10.98	0.11	122.8	clear
1140	15.07	350	5.26	0.168	2.00	6.28	10.97	0.11	126.4	clear
1145	15.07	350	5.26	0.167	1.03	6.21	10.98	0.11	128.1	clear
1150	15.07	350	5.26	0.166	0.94	6.13	10.96	0.11	129.0	clear
1155	15.07	350	5.26	0.165	0.88	6.08	10.94	0.10	132.0	clear
1200	15.07	350	5.26	0.164	0.83	6.00	10.93	0.10	133.2	clear
1205	15.07	350	5.26	0.164	0.79	5.96	10.91	0.10	134.2	clear
1210	15.07	350	5.26	0.163	0.70	5.90	10.90	0.10	135.6	clear - collect sample

SIGNATURE(S): [illegible]

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ-1221-20080117
Sample Location: SA-PZ-1221
Sampled By: T. ROIAHN
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other SAL ppt NA
Date: 1-17-08								
Time: 0945								
Method: PERISTALTIC	CLEAR	6.11	0.153	18.34	2.07	4.38	76.2	0.10

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-17-08								
Method: SAME								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 51.41								
Static Water Level (WL): 14.86								
One ~~Casing~~ SAT SCREEN Volume(gal/L): 6.2								
Start Purge (hrs): 0945								
End Purge (hrs): 0940								
Total Purge Time (min): 55								
Total Vol. Purged (gal/L): 16.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): [signature]

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ-122I
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0845	14.86	0	—	—	—	—	—	—	—	START PURGE
0855	14.88	300	6.09	0.153	15.0	8.72	10.41	0.10	63.2	3L CLEAR
0905	14.88	300	6.09	0.154	7.06	6.09	10.59	0.10	65.6	6L "
0915	14.88	300	6.13	0.153	6.07	4.97	10.48	0.10	71.6	9L "
0925	14.88	300	6.11	0.152	3.85	4.45	10.33	0.10	74.8	12L "
0935	14.88	300	6.12	0.153	2.29	4.46	10.39	0.10	75.5	15L "
0940	14.88	300	6.11	0.153	2.07	4.38	10.34	0.10	76.2	16.5L "
0945	—	—	—	—	—	—	—	—	—	SAMPLE TIME

SIGNATURE(S): Tony Rizzi

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-PZ-122D-20080117

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ122-D
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-17-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other SAL ~~NA~~
Time: 1350	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	
Method: Submersible pump	Clear	6.39	0.117	11.28	7.5	1.27	-135.3	0.07

PURGE DATA:

Date: 1-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 132'								
Static Water Level (WL): 14.21								
One ~~Casing~~ Set Screen Volume(gal/L) 6.2								
Start Purge (hrs): 1245								
End Purge (hrs): 1350								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 7.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ122-D
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1245	14.21	400	5.80	0.085	30.3	4.59	10.42	0.06	49.1	slight Tint (Tan)
1250	14.21	375	5.95	0.099	204.5	2.94	10.85	0.07	-29.5	cloudy (Grey-Brown)
1255	14.21	375	6.19	0.115	248.3	1.83	11.14	0.07	-83.0	cloudy (Grey-Brown)
1300	14.21	375	6.24	0.115	176.1	1.56	11.17	0.07	-95.2	slightly cloudy (Brown)
1305	14.21	375	6.32	0.115	148.1	1.31	11.20	0.07	-108.5	slightly cloudy (Tan)
1310	14.21	375	6.34	0.116	120.6	1.27	11.21	0.07	-114.6	"
1315	14.21	375	6.36	0.116	109.0	1.28	11.22	0.07	-120.1	"
1320	14.21	375	6.37	0.116	71.8	1.29	11.23	0.07	-124.2	Tinted (Tan)
1325	14.21	375	6.38	0.116	49.6	1.30	11.25	0.07	-127.0	slight Tint (Tan)
1330	14.21	375	6.39	0.117	36.6	1.28	11.24	0.07	-131.7	very slight Tint (Tan)
1335	14.21	375	6.39	0.117	27.4	1.25	11.22	0.07	-133.6	clear
1340	14.21	375	6.39	0.117	16.3	1.26	11.25	0.07	-134.0	clear
1345	14.21	375	6.39	0.117	11.0	1.28	11.27	0.07	-134.6	clear
1350	14.21	375	6.39	0.117	7.5	1.27	11.28	0.07	-135.3	clear - collect sample

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-PZ-1235-20080116

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ123-$
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Date: 1-16-08								
Time: 1355								
Method: Submersible pump	clear	5.03	0.111	9.32	1.10	1.19	0.07	-7.0

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 1-16-08								
Method: Redi-flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch PVC								
Total Well Depth (TD): 19.35			(see low flow purge sheets)					
Static Water Level (WL): 9.23								
One Casing Volume(gal/L): 6.2								
Start Purge (hrs): 1250								
End Purge (hrs): 1355								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 7								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCl	3 x 40mL vials	3

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ123-5
DATE: 1-16-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1250	9.23	325	5.81	0.108	47.5	4.46	9.74	0.07	-2.0	Tinted (Tan)
1255	9.23	325	5.40	0.108	33.6	2.77	9.63	0.07	1.0	Slight Tint (Tan)
1300	9.23	325	5.12	0.108	22.5	1.91	9.55	0.07	3.9	clear
1305	9.23	325	5.03	0.108	18.7	1.80	9.53	0.07	5.4	clear
1310	9.23	325	4.99	0.108	15.3	1.67	9.51	0.07	7.9	clear
1315	9.23	325	5.01	0.109	10.6	1.43	9.40	0.07	5.5	clear
1320	9.23	325	5.02	0.109	6.45	1.21	9.37	0.08	2.6	clear
1325	9.23	325	5.03	0.110	4.60	1.18	9.38	0.07	-1.3	clear
1330	9.23	325	5.04	0.110	3.95	1.15	9.39	0.07	-2.7	clear
1335	9.23	325	5.04	0.111	2.10	1.15	9.36	0.07	-4.1	clear
1340	9.23	325	5.04	0.111	1.80	1.14	9.34	0.07	-5.6	clear
1345	9.23	325	5.03	0.111	1.43	1.15	9.33	0.07	-6.1	clear
1350	9.23	325	5.03	0.111	1.12	1.16	9.34	0.07	-6.5	clear
1355	9.23	325	5.03	0.111	1.10	1.19	9.32	0.07	-7.0	clear - collect sample

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ1231-I
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-17-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1005	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ~~NA~~
Method: Peristaltic pump	clear	5.64	0.086	10.11	0.52	1.72	54.0	0.06

PURGE DATA:

Date: 1-17-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: Low Flow								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 44.64'								
Static Water Level (WL): 9.76'								
One ~~Casing~~ set. screen Volume(gal/L): 6.2								
Start Purge (hrs): 0845								
End Purge (hrs): 1005								
Total Purge Time (min): 80								
Total Vol. Purged (gal/L): 7.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	3

OBSERVATIONS / NOTES:

- Sample split with Suffolk County Health Department

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ1231-I
DATE: 1-17-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
0845	9.76	325	5.91	0.094	25.0	4.55	9.59	0.07	62.6	very slight tint (Tan)
0850	9.76	325	5.84	0.091	19.5	3.92	9.64	0.07	57.6	clear
0855	9.76	325	5.70	0.089	18.0	3.37	9.76	0.06	53.9	clear
0900	9.76	325	5.70	0.088	12.61	3.14	9.77	0.06	52.1	clear
0905	9.76	325	5.69	0.086	8.97	2.86	9.77	0.06	50.0	clear
0910	9.76	325	5.69	0.086	5.05	2.53	9.84	0.06	49.8	clear
0915	9.76	325	5.68	0.086	3.56	2.42	9.98	0.06	49.6	clear
0920	9.76	325	5.68	0.086	2.26	2.29	9.95	0.06	50.0	clear
0925	9.76	325	5.68	0.086	1.03	2.18	9.91	0.06	50.2	clear
0930	9.76	325	5.67	0.086	0.75	2.09	9.97	0.06	50.4	clear
0935	9.76	325	5.66	0.086	0.63	2.00	10.00	0.06	50.5	clear
0940	9.76	325	5.66	0.086	0.60	1.97	10.05	0.06	50.8	clear
0945	9.76	325	5.66	0.086	0.55	1.92	10.09	0.06	51.0	clear
0950	9.76	325	5.65	0.086	0.60	1.85	10.10	0.06	52.1	clear
0955	9.76	325	5.65	0.086	0.57	1.79	10.11	0.06	53.0	clear
1000	9.76	325	5.64	0.086	0.55	1.76	10.10	0.06	53.7	clear
1005	9.76	325	5.64	0.086	0.52	1.72	10.11	0.06	54.0	clear - collect Sample

SIGNATURE(S): [illegible]

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

SA-PZ-123I-20080116

Project Site Name: NWIRP Calverton
Project No.: CTO-449

[] Domestic Well Data
[X] Monitoring Well Data
[] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-PZ123-I
Sample Location: Southern Area
Sampled By: VAS
C.O.C. No.: 112G00903-01
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-16-08	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Time: 1520	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/l)	(%)	ORP
Method: Submersible pump	Clear	6.28	0.170	9.80	15.1	5.62	0.11	-132.8

PURGE DATA:

Date: 1-16-08	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Method: Redi-Flow pump								
Monitor Reading (ppm): 0								
Well Casing Diameter & Material								
Type: 2 inch								
Total Well Depth (TD): 80'								
Static Water Level (WL): 10.38'								
One ~~Casing~~ Set Screen Volume(gal/L): 6.2								
Start Purge (hrs): 1415								
End Purge (hrs): 1520								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 7								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCl	3 X 40mL vials	3

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s):

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00903, SITE 6A, 10B and Southern Area

WELL ID.: SA-PZ123-I
DATE: 1-16-08

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celsius)	Salinity (%)	ORP (mV)	Comments (Volume & Color)
1415	10.38	325	5.90	0.154	22.7	6.15	8.50	0.11	-62.5	clear
1420	10.38	325	6.13	0.161	20.8	7.37	9.00	0.11	-102.3	clear
1425	10.38	325	6.34	0.169	19.5	8.40	9.19	0.11	-147.5	clear
1430	10.38	325	6.32	0.170	19.7	7.18	9.46	0.11	-143.6	clear
1435	10.38	325	6.30	0.171	19.8	6.32	10.00	0.11	-139.4	clear
1440	10.38	325	6.29	0.170	17.8	6.02	9.93	0.11	-137.6	clear
1445	10.38	325	6.28	0.169	16.6	5.73	9.90	0.11	-135.5	clear
1450	10.38	325	6.28	0.169	16.1	5.72	9.87	0.11	-134.4	clear
1455	10.38	325	6.28	0.170	15.8	5.70	9.86	0.11	-133.6	clear
1500	10.38	325	6.28	0.170	16.4	5.69	9.84	0.11	-133.2	clear
1505	10.38	325	6.28	0.170	16.2	5.67	9.82	0.11	-133.0	clear
1510	10.38	325	6.28	0.170	15.9	5.63	9.81	0.11	-133.0	clear
1515	10.38	325	6.28	0.170	15.6	5.64	9.80	0.11	-132.9	clear
1520	10.38	325	6.28	0.170	15.1	5.62	9.80	0.11	-132.8	clear - collect sample

SIGNATURE(S): [illegible]

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
~~[X] Monitoring Well Data~~ TR
[X] Other Well Type:
[] QA Sample Type:

Sample ID No.: SA-SW-201-20080206
Sample Location: SA-SW 201
Sampled By: TR, SJC
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: SAL

	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other NA PPT
Date: 2/6/08								
Time: 0830								
Method: DIRECT FLOW	CLEAR	6.91	0.058	5.15	0.48	11.70	14.8	0.04

PURGE DATA:

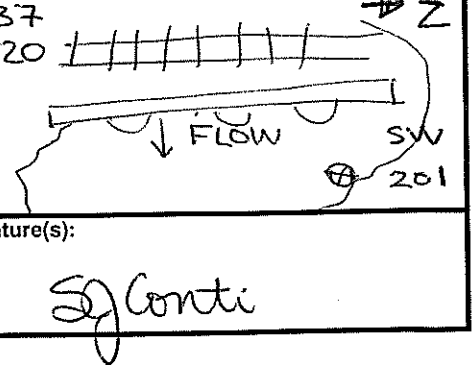
	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: —								
Method: —								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: SW	See Low Flow Purge Data Sheets							
Total Well Depth (TD): SURF								
Static Water Level (WL): NA								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓

OBSERVATIONS / NOTES:

GPS: N: 40° 54.037
W: 072° 46.420



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	

Signature(s): SJ Conti

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00903, Southern Area

[] Domestic Well Data
~~[X] Monitoring Well Data~~ TA
[X] Other Well Type:)
[] QA Sample Type:

Sample ID No.: SA-SW-204-20080206
Sample Location: SA-SW204
Sampled By: SJC/TR
C.O.C. No.: 112G00903-03
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA: SAL

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 2/6/08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	NA PPT
Time: 0850								
Method: DIRECT FILL	CLEAR	6.28	0.056	4.78	.19	11.10	35	0.04

PURGE DATA:

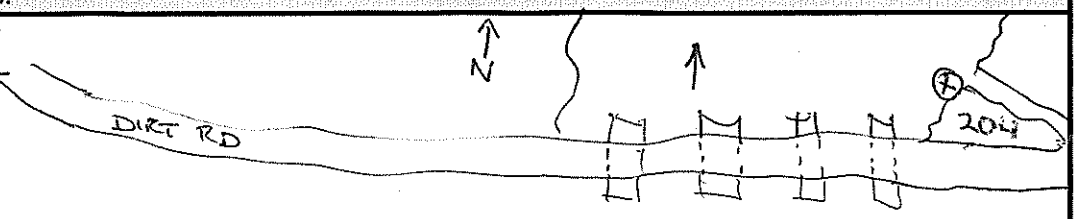
	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: NA								
Method: "								
Monitor Reading (ppm): NA								
Well Casing Diameter & Material								
Type:			See Low Flow Purge Data Sheets					
Total Well Depth (TD):								
Static Water Level (WL):								
One Casing Volume(gal/L):								
Start Purge (hrs):								
End Purge (hrs):								
Total Purge Time (min):								
Total Vol. Purged (gal/L):								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
		GPS: N:	
		W:	

OBSERVATIONS / NOTES:

GPS:
N 40 54.217
W 72 45.885



Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): SJ Conte

APPENDIX I

GROUNDWATER LEVEL MEASUREMENT SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NWIRP CALVERTON
Project No.: 1126 00903
Location: CeA - Fuel Calibration Area
Personnel: Terry Rojan
Weather Conditions: 40s
Measuring Device: water level meter
Tidally Influenced: Yes ___ No ___
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
FC-MW01I	2/7/08	~~0863~~ 0842			8.63			
FC-MW01S	2/7/08	0843			8.80			
FC-MW02I	2/7/08	0854			8.11			
FC-MW02S	2/7/08	0855			8.76			
FC-MW03S	2/7/08	0852			8.23			
FC-MW04I	2/7/08	0836			6.99			
FC-MW04S	2/7/08	0835			7.08 ~~7.89~~			
FC-MW05I	2/7/08	0829			9.39			
~~FC-MW06~~	2/7/08							
FC-MW05S	2/7/08	0830			10.06			
FC-MW06S	2/7/08	0848			12.15			
FC-MW07S	2/7/08	0832			10.15			
FC-MW08S	2/7/08	0838			5.87			

Page ___ of ___

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NWIRP CALVERTON
Project No.: 112G00903
Location: 10B-Engine Test House
Personnel: Terry Rojas
Weather Conditions: 40s
Measuring Device: water level meter
Tidally Influenced: Yes ___ No ___
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
ET-MW01S	2/7/08	0826			10.11			
ET-MW02S	2/7/08	0824			9.66			
ET-MW03S	2/7/08	0822			10.56			

Page ___ of ___

* All measurements to the nearest 0.01 foot

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NWIRP CAVERTON
Project No.: 112600903
Location: Souther Area
Personnel: Terry Rojas
Weather Conditions: 40s
Measuring Device: water level meter
Tidally Influenced: Yes ___ No ___
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)*	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
SA-PZ-118S	2/7/08	0741			5.05			
SA-PZ-118I	2/7/08	0740			5.60			
SA-PZ-120S	2/7/08	0733			6.45			
SA-PZ-122S	2/7/08	0753			14.95			
SA-PZ-122I	2/7/08	0754			14.74			
SA-PZ-122D	2/7/08	0755			14.07			
SA-PZ-123~~S~~I	2/7/08	0748			9.66			
SA-PZ-123S	2/7/08	0747			9.13			
SA-PZ-123I1	2/7/08	0749			10.28			
SA-MW-126S	2/7/08	0817			4.92			
SA-MW-126I	2/7/08	0817			5.04			
SA-MW-126D	2/7/08	0818			7.18			
SA-MW-127S	2/7/08	0813			6.73			
SAMW-127 I	2/7/08	0814			6.95			
SA-MW-127 D	2/7/08	0815			8.65			
SA-MW-128 S	2/7/08	0808			9.04			
SA-MW-128 I	2/7/08	0809			9.52			
SA-MW-128D	2/7/08	0810			9.80			
SA-MW-129S	2/7/08	0803			22.42			
SA-MW-129 I	2/7/08	0804			22.68			
SA-MW-129D	2/7/08	0805			22.62			

Page ___ of ___

* All measurements to the nearest 0.01 foot

APPENDIX J

CHAIN OF CUSTODY FORMS

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER CA-001 | PAGE 1 OF 1

S600516

PROJECT NO: CTO-449	SITE NAME: NWIRP Calverton	PROJECT MANAGER AND PHONE NUMBER: Dave Brayack (757) 461-3824	LABORATORY NAME AND CONTACT: Katahdin Analytical (Andrea Colby)
SAMPLERS (SIGNATURE): Vince Shickora (VS)		FIELD OPERATIONS LEADER AND PHONE NUMBER: Vince Shickora (610) 909-3264	ADDRESS: 600 Technology Way
		CARRIER/WAYBILL NUMBER: FED EX 8626 9924 2666	CITY, STATE: Scarborough ME 04074

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G

PRESERVATIVE USED: None

DATE YEAR 2007	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: TOC								COMMENTS
12/4	1135	SA-MW126D-8384	Soil	G	1	1								
12/6	0831	SA-MW126I-5052	Soil	G	1	1								
12/11	0910	SA-MW127I-4042	Soil	G	1	1								
12/14	0855	SA-MW128S-1517	Soil	G	1	1								

1. RELINQUISHED BY (VS)	DATE 1-3-08	TIME 1700	1. RECEIVED BY	DATE 1-4-08	TIME 1000
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

3/99
FORM NO. TtNUS-001

J-1

S600000

TETRA TECH NUS, INC. SBO3606 CHAIN OF CUSTODY | NUMBER 112G00903-02 | PAGE 1 OF 1

PROJECT NO:	SITE NAME:	PROJECT MANAGER AND PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 449 112G00903	NWIRP CALVERTON	D. BRAYACK (757) 461-3824	KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER AND PHONE NUMBER	ADDRESS
S. Conti		V. SHICKORA (610) 491-9688	600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER	CITY, STATE
Terry Rozalski		FED. EX. AB # 8631 2526 3323	SCARBOROUGH, ME 04074

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

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

TYPE OF ANALYSIS: VOCs 40ml VIALS

DATE YEAR 2008	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	VOCs 40ml VIALS								COMMENTS
1/30	1200	TB-013008-01	AQ	G	2	2								TRIP BLANK
1/30	1600	SA-MW-129D-20080130	GW	G	3	3								
1/30	1710	SA-MW-128I-20080130	GW	G	3	3								
1/31	0935	SA-MW-126S-20080131	GW	G	3	3								
1/31	1010	SA-MW-128S-20080131	GW	G	3	3								
1/31	1150	SA-MW-127S-20080131	GW	G	3	3								
1/31	1155	SA-MW-128D-20080131	GW	G	3	3								
1/31	1450	SA-MW-127I-20080131	GW	G	3	3								
1/31	1510	SA-MW-127D-20080131	GW	G	9	9								RUN MS/MSD
1/31	0000	FD-013108-01	GW	G	3	3								

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Terry Rozalski	1/31/08	1730	1. RECEIVED BY FEDERAL EXPRESS	1/31/08	1730
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	2-1-08	1020
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

3/99
FORM NO. TINUS-001

000087

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER 112600903-03 | PAGE 1 OF 1

SB60058 | SB60059

PROJECT NO: 112600903 C70 449	SITE NAME: NWIRP CALVERTON	PROJECT MANAGER AND PHONE NUMBER: D. BRAYACK (757) 461-3824	LABORATORY NAME AND CONTACT: KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE): S J Conti		FIELD OPERATIONS LEADER AND PHONE NUMBER: V. SHICKORA (610) 491-9688	ADDRESS: 600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER: FED EX AB # 8631 2526 3334	CITY, STATE: SCARBOROUGH, ME 04074

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G

PRESERVATIVE USED: 4°C/HCl 4°C 4°C

DATE YEAR 2008	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	VOCS 40ml VIALS	SVOCS 1L AMBER	PEST/PCBS 1L AMBER						COMMENTS
2/05	099	TB-020508-01	AQ	G	2	2								
2/05	1005	ET-MW03S-20080205	GW	G	3	3								
2/05	1025	ET-MW01S-20080205	GW	G	9	9								RLIN MS/MSD
2/05	1145	ET-MW02S-20080205	GW	G	3	3								
2/05	1530	SA-MW126I-20080205	GW	G	3	3								
2/05	1615	SA-MW126D-20080205	GW	G	3	3								
2/05	0000	FD-020508-01	GW	G	3	3								
2/06	0830	SA-SW-201-20080206	SW	G	3	3								
2/06	0850	SA-SW-204-20080206	SW	G	3	3								
2/06	1010	IDW-AQ01-20080206	AQ	G	3	3								TANK #1 (IDW)
2/06	1015	IDW-AQ02-20080206	AQ	G	3	3								TANK #2 (IDW)
2/06	1030	IDW-AQ03-20080206	AQ	G	3	3								TANK #3 (IDW)
2/06	1030	IDW-AQ04-20080206	AQ	C	4	-	2	2						TANKS #1-3

1. RELINQUISHED BY	DATE 2-06-08	TIME 1800	1. RECEIVED BY FEDERAL EXPRESS	DATE 2-06-08	TIME 1800
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE 2-06-08	TIME 1020
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

3/99

FORM NO. TtNUS-001

0000002

TETRA TECH NUS, INC. SB0658 | SB0659 CHAIN OF CUSTODY | NUMBER 112G00903-04 | PAGE 1 OF 1

PROJECT NO: CTO 112G00903 449	SITE NAME: NWIRP CALVERTON	PROJECT MANAGER AND PHONE NUMBER: D. BRAYACK (757) 461-3824	LABORATORY NAME AND CONTACT: KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE): S J Conti, Terry Rogik		FIELD OPERATIONS LEADER AND PHONE NUMBER: VINCE SHICKORA (610) 491-9688	ADDRESS: 600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER: FED EX AB# 8631 2526 3334	CITY, STATE: SCARBOROUGH, ME 04074

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

DATE YEAR 2008	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	* VOCS 2 oz JAR	** SVOCS & TCLP METALS 8 oz JAR							COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)						G	G							
PRESERVATIVE USED						4°C	4°C							
2/06	1330	IDW-SO-01-20080206	SO	G/C	2	1	1							* Drum #002 ** Drums 001-004
2/06	1345	IDW-SO-02-20080206	SO	G/C	2	1	1							* Drum #006 ** Drums 005-007

1. RELINQUISHED BY: Terry Rogik	DATE 2-06-08	TIME 1800	1. RECEIVED BY: FEDERAL EXPRESS	DATE 2-06-08	TIME 1800
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY: [illegible]	DATE 2706	TIME 1020
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

3/99

FORM NO. TtNUS-001

000009

TETRA TECH NUS, INC. S80360 / S80361 CHAIN OF CUSTODY | NUMBER 112G00903-01 | PAGE 1 OF 1

PROJECT NO: 112G00903 CTO 449	SITE NAME: NWIRP CALVERTON	PROJECT MANAGER AND PHONE NUMBER: D. BRAYACK (757) 461-3824	LABORATORY NAME AND CONTACT: KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE): Terry Royal		FIELD OPERATIONS LEADER AND PHONE NUMBER: V. SHICKORA (610)491-9688	ADDRESS: 600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER: FED EX AB# 8626 9924 2519	CITY, STATE: SCARBOROUGH, ME 04074

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

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

TYPE OF ANALYSIS: VOCs 40ml VIALS

DATE YEAR 2008	TIME	SAMPLE ID	MATRIX	GRAB (G) COMP (C)	No. OF CONTAINERS	VOCs 40ml VIALS								COMMENTS
1/16	1200	TB-011608-01	QC/AQ	G	2	2								TRIP BLANK
1/16	1355	SA-PZ-123S-20080116	GW	G	3	3								
1/16	1520	SA-PZ-123I-20080116	GW	G	3	3								
1/17	0945	SA-PZ-122I-20080117	GW	G	3	3								
1/17	1005	SA-PZ-123II-20080117	GW	G	3	3								
1/17	1200	SA-MW-129S-20080117	GW	G	3	3								
1/17	1210	SA-PZ-122S-20080117	GW	G	3	3								
1/17	1350	SA-PZ-122D-20080117	GW	G	3	3								
1/17	1455	SA-MW-129I-20080117	GW	G	3	3								
1/17	1640	SA-PZ-120S-20080117	GW	G	3	3								
1/17	0810	RB-011808-01	QC	G	3	3								SUB PUMP RINSATE

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Terry Royal	1-18-08	1200	1. RECEIVED BY: FEDERAL EXPRESS	1-18-08	1200
2. RELINQUISHED BY:			2. RECEIVED BY: Amy Broadbent	1-19-08	1035
3. RELINQUISHED BY:			3. RECEIVED BY:		

COMMENTS

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

3/99
FORM NO. TtNUS-001

TETRA TECH NUS, INC. 560307

CHAIN OF CUSTODY | NUMBER 0445 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 499 112G00903	NWIRP CALVERTON	D. BRAYACK	(757) 461-3824	KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: V. SHICKORA	PHONE NUMBER: (610) 491-9688	ADDRESS: 600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER: FED. EX AB # 8626 9924 2508		CITY, STATE: SCARBOROUGH, ME 04074

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

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

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION-ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOCs 40ml Vials	SVOCs 1L Amber							COMMENTS
01/14	0900	TB-011408-01	QC	-	-	QC	G	2	2	-							TRIP BLANK
01/14	1500	FC-MW01I-20080114	FC-MW 01I	-	-	GW	G	5	3	2							
01/14	1512	FC-MW01S-20080114	FC-MW 01S	-	-	GW	G	5	3	2							
01/14	1645	FC-MW08S-20080114	FC-MW 08S	-	-	GW	G	5	3	2							
01/15	0930	FC-MW04S-20080115	FC-MW 04S	-	-	GW	G	5	3	2							
01/15	0930	FC-MW04I-20080115	FC-MW 04I	-	-	GW	G	5	3	2							
01/15	1200	FC-MW05S-20080115	FC-MW 05S	-	-	GW	G	5	3	2							
01/15	1306	FC-MW05I-20080115	FC-MW 05I	-	-	GW	G	5	3	2							
01/15	1443	FC-MW07S-20080115	FC-MW 07S	-	-	GW	G	15	9	6							RUN MS/MSD
01/15	1530	FC-MW06S-20080115	FC-MW 06S	-	-	GW	G	5	3	2							
01/15	1715	FC-MW03S-20080115	FC-MW 03S	-	-	GW	G	5	3	2							HYDROCARBON ODOR !!
01/16	0720	RB-011608-01	QC	-	-	AQ	G	5	3	2							RINSATE SUB PUMP
01/16	0930	FC-MW02I-20080116	FC-MW 02I	-	-	GW	G	5	3	2							HYDROCARBON ODOR !!

1. RELINQUISHED BY	DATE 1-16-07	TIME 1800	1. RECEIVED BY FEDERAL EXPRESS	DATE 1-16-07	TIME 1800
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE 1-17-07	TIME 1000
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TINUS-001

J-6

000018

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 0446 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 112G00903 499	NWIRP CALVERTON	D. BRAYACK	(757) 461-3824	KATAHDIN / A COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		V. SHICKORA	(610) 491-9688	600 TECHNOLOGY WAY
		CARRIER/WAYBILL NUMBER		CITY, STATE
		FED. EX AB # 8626 9924 2508		SCARBOROUGH, ME 04074

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G

PRESERVATIVE USED: 4°C/HCl 4°C

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION-ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOCS 40ml VIALS	SVOCS 1L AMBER							COMMENTS
01/16	0940	FC-MW02S-20080116	FC-MW 025	-	-	GW	G	5	3	2							HYDROCARBON ODOR !!
01/16	0000	FD-011608-01	QC	-	-	GW	G	5	3	2							HYDROCARBON ODOR !!
01/16	1155	SA-PZ-118I-20080116	SA-PZ 118I	-	-	GW	G	3	3	-							
01/16	1200	SA-PZ-118S-20080116	SA-PZ 118S	-	-	GW	G	3	3	-							
01/16	1315	WB-011608-01	QC	-	-	AQ	G	5	3	2							DI AM. CHOICE 12/28/09

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	1-16-07	1800	1. RECEIVED BY FEDERAL EXPRESS	1-16-07	1800
2. RELINQUISHED BY			2. RECEIVED BY	1-17-08	1000
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

4/02R
FORM NO. TtNUS-001

J-7

0000013

Katahdin Analytical Services
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS Inc.
Contact: Dave Brayack
Phone #: (757) 461-3824
Fax #: (757) 461-4148
Address:
City: Norfolk
State: VA
Zip Code:
Purchase Order #:
Proj. Name / No.: NWIRP Calverton
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): Vince Shickora
Copies To:

LAB USE ONLY
WORK ORDER #: SB0889
KATAHDIN PROJECT NUMBER
REMARKS:

SHIPPING INFO: ☒ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO: 8626 9924 2596
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOA - 40 mL 5mL DI water	VOA - 40 mL 5mL MEOH	TCLP Metals - TS PCBs	VOA - 40 mL HCL pres.	1 Liter Amber SVOA	1 Liter Amber PCB	1 Liter HDPE TCLP Metals	500 mL HDPE TCLP Metals		
					Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	CA-IDW-01	2/19/08/1030	Soil	6	3	1	2							
	CA-IDW-02	2/19/08/1130	Aq.	8				3	2	2	1			
	BP-IDW-01	2/19/08/1320	Soil	6	3	1	2							
	BP-IDW-02	2/19/08/1345	Aq.	9				3	2	2		2		
	CA-PRSC-04	2/20/08/0815	Aq	3				3						
	CA-PRSC-02-01	2/20/08/0835	Aq	3				3						
	CA-PRSC-02-02	2/20/08/0845	Aq	3				3						
	CA-PRSC-02-03	2/20/08/0855	Aq	3				3						
	CA-PRSC-Dup-01	2/20/08/1600	Aq	3				3						
	CA-PRSC-03	2/20/08/0910	Aq	3				3						
	CA-PRSC-01	2/20/08/0925	Aq	9				9						
	Trip Blank	2/19/08/1600	Aq	3				3						
		/												
		/												
		/												
		/												

COMMENTS: Do MS/MSD on CA-PRSC-01

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	2/20/08 1700	22/08 1000			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
					0000010

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS

ORIGINAL

APPENDIX K

FORM 1s

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 11:35
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-3
Client ID: FC-MW01S-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 11:35
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-3
Client ID: FC-MW01S-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		99%				

Page 02 of 02 F8763.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW01S-20080114

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-3

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8763

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 16:47
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-3
Client ID: FC-MW01S-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	3
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	4
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	15
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	13
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	17
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 16:47
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-3
Client ID: FC-MW01S-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	10
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	7
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	5
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		64%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		71%				
1718-51-0	Terphenyl-D14		107%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 15:00
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-2RA
Client ID: FC-MW01I-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 15:00
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-2RA
Client ID: FC-MW01I-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		113%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		90%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW01I-20080114

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-2RA

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8784

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 16:04
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-2
Client ID: FC-MW01I-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 16:04
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-2
Client ID: FC-MW01I-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		33%				
4165-60-0	Nitrobenzene-D5		83%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		80%				
1718-51-0	Terphenyl-D14		118%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 17:03
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-14
Client ID: FC-MW02S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	J	4	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	0.7	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone		16	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		6	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	2	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	J	1	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	3	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	J	0.4	1.0	5	5	0.4
	m+p-Xylenes	J	4	1.0	10	10	1.0
95-47-6	o-Xylene		5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	J	9	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 17:03
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-14
Client ID: FC-MW02S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		123%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		100%				

Page 02 of 02 F8788.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW02S-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0307-14

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F8788

Level: (low/med) LOW Date Received: 01/17/08

% Moisture: not dec. _____ Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 526-73-8	BENZENE, 1,2,3-TRIMETHYL-	14.76	1	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 01:18
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-14
Client ID: FC-MW02S-20080116
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 01:18
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-14
Client ID: FC-MW02S-20080116
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 31%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		81%				
118-79-6	2,4,6-Tribromophenol		78%				
1718-51-0	Terphenyl-D14		112%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 16:32
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-13
Client ID: FC-MW02I-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	J	1	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	0.7	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 16:32
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-13
Client ID: FC-MW02I-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		96%				

Page 02 of 02 F8787.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW02I-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-13

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8787

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 00:35
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-13
Client ID: FC-MW02I-20080116
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 00:35
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-13
Client ID: FC-MW02I-20080116
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		39%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		60%				
1718-51-0	Terphenyl-D14		131%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 17:34
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-15
Client ID: FD-011608-01 FC-MW02S
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	J	4	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	0.6	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone		13	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		6	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	2	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	J	1	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	3	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	J	0.5	1.0	5	5	0.4
	m+p-Xylenes	J	5	1.0	10	10	1.0
95-47-6	o-Xylene		5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	J	10	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 17:34
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-15
Client ID: FD-011608-01 FC-MW02S
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		96%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID
FC-MW-02S
FD-011608-01

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-15

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8789

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 95-36-3	1,2,4-TRIMETHYLBENZENE	14.75	1	NJ
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 02:00
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-15
Client ID: FD-011608-01 FC-MW02S
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	3
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	5
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	4
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	15
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	13
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	17
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 05-FEB-2008 02:00
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-15
Client ID: FD-011608-01
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	10
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	7
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	5
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 32%				
13127-88-3	Phenol-D6		21%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		84%				
118-79-6	2,4,6-Tribromophenol		86%				
1718-51-0	Terphenyl-D14		118%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 16:43
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-11
Client ID: FC-MW03S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 16:43
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-11
Client ID: FC-MW03S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW03S-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON

SDG No.: CAL-2

Matrix: (soil/water) WATER

Lab Sample ID: SB0307-11

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: F8771

Level: (low/med) LOW

Date Received: 01/17/08

% Moisture: not dec. _____

Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 23:10
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-11
Client ID: FC-MW03S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 23:10
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-11
Client ID: FC-MW03S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		87%				
118-79-6	2,4,6-Tribromophenol		72%				
1718-51-0	Terphenyl-D14		138%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 12:36
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-5
Client ID: FC-MW04S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 12:36
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-5
Client ID: FC-MW04S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		105%				

Page 02 of 02 F8765.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW04S-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-5

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8765

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 18:47
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-5
Client ID: FC-MW04S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	3
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	4
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	15
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	17
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 18:47
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-5
Client ID: FC-MW04S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	10
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	7
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	5
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 33%				
13127-88-3	Phenol-D6		23%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		80%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		104%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 15:31
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-6
Client ID: FC-MW04I-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	J	0.4	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 15:31
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-6
Client ID: FC-MW04I-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		120%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		97%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW04I-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-6

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8785

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 19:31
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-6
Client ID: FC-MW04I-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 19:31
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-6
Client ID: FC-MW04I-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 31%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		80%				
118-79-6	2,4,6-Tribromophenol		57%				
1718-51-0	Terphenyl-D14		124%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:40
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-7
Client ID: FC-MW05S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:40
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-7
Client ID: FC-MW05S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		94%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW05S-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-7

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8767

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 20:15
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-7
Client ID: FC-MW05S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	3
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	4
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	10
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	5
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	9
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	26	1.0	25	26	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	26	1.0	25	26	5
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	4
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	26	1.0	25	26	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	26	1.0	25	26	16
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	26	1.0	25	26	13
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	4
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	26	1.0	25	26	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	26	1.0	25	26	18
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	6

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 20:15
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-7
Client ID: FC-MW05S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	7
87-86-5	Pentachlorophenol	U	26	1.0	25	26	10
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	7
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	5
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 29%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		90%				
118-79-6	2,4,6-Tribromophenol		55%				
1718-51-0	Terphenyl-D14		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:11
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-8
Client ID: FC-MW05I-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	J	0.8	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	J	1	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	0.8	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:11
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-8
Client ID: FC-MW05I-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		103%				

Page 02 of 02 F8768.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW05I-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-8

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8768

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 20:59
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-8
Client ID: FC-MW05I-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 20:59
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-8
Client ID: FC-MW05I-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		41%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		85%				
118-79-6	2,4,6-Tribromophenol		70%				
1718-51-0	Terphenyl-D14		129%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 16:12
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-10
Client ID: FC-MW06S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene		12	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 16:12
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-10
Client ID: FC-MW06S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		92%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW06S-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-10

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8770

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 22:28
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-10
Client ID: FC-MW06S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 22:28
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-10
Client ID: FC-MW06S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		46%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		75%				
321-60-8	2-Fluorobiphenyl		82%				
118-79-6	2,4,6-Tribromophenol		60%				
1718-51-0	Terphenyl-D14		135%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:42
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-9
Client ID: C-MW07S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	J	0.6	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:42
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-9
Client ID: C-MW07S-20080115
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		125%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		101%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

C-MW07S-20080115

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-9

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8769

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 1074-43-7	BENZENE, 1-METHYL-3-PROPYL-	15.01	1	NJ
2. 135-98-8	BENZENE, (1-METHYLPROPYL)-	15.36	1	NJ
3. 527-84-4	BENZENE, 1-METHYL-2-(1-METH	15.52	2	NJ
4. 874-41-9	BENZENE, 1-ETHYL-2,4-DIMETH	15.61	1	NJ
5.	UNKNOWN	15.77	1	J
6. 95-93-2	BENZENE, 1,2,4,5-TETRAMETHY	16.27	1	NJ
7. 2870-04-4	BENZENE, 2-ETHYL-1,3-DIMETH	16.85	1	NJ
8. 2050-24-0	BENZENE, 1,3-DIETHYL-5-METH	17.36	1	NJ
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 21:43
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-9
Client ID: C-MW07S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	3
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	4
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	10
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	5
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	4
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	15
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	13
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	17
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 21:43
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-9
Client ID: C-MW07S-20080115
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	7
87-86-5	Pentachlorophenol	U	25	1.0	25	25	10
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	7
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	5
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		27%				
4165-60-0	Nitrobenzene-D5		71%				
321-60-8	2-Fluorobiphenyl		81%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		*140%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 12:06
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-4
Client ID: FC-MW08S-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 12:06
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-4
Client ID: FC-MW08S-20080114
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		121%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		103%				

Page 02 of 02 F8764.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FC-MW08S-20080114

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0307-4

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F8764

Level: (low/med) LOW Date Received: 01/17/08

% Moisture: not dec. _____ Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 17:29
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-4
Client ID: FC-MW08S-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	4
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	7
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	15
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 24-JAN-2008 17:29
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-4
Client ID: FC-MW08S-20080114
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	3
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	10
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 14%				
13127-88-3	Phenol-D6		10%				
4165-60-0	Nitrobenzene-D5		58%				
321-60-8	2-Fluorobiphenyl		66%				
118-79-6	2,4,6-Tribromophenol		* 28%				
1718-51-0	Terphenyl-D14		39%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 10:34
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-1
Client ID: TB-011408-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/14/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 22-JAN-2008 10:34
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-1
Client ID: TB-011408-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47639
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		118%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		93%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB-011408-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0307-1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F8761

Level: (low/med) LOW Date Received: 01/17/08

% Moisture: not dec. _____ Date Analyzed: 01/22/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 16:01
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-12
Client ID: RB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone		6	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 16:01
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-12
Client ID: RB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		124%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		97%				

Page 02 of 02 F8786.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

RB-011608-01

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-12

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8786

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 23:53
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-12
Client ID: RB-011608-01
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
100-52-7	Benzaldehyde	U	10	1.0	10	10	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
98-86-2	Acetophenone	U	10	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	3
105-60-2	Caprolactam	U	10	1.0	10	10	8
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
92-52-4	1,1'-Biphenyl	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date: 01/18/08
Analysis Date: 04-FEB-2008 23:53
Report Date: 02/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-12
Client ID: RB-011608-01
SDG: CAL-2
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG47549
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
1912-24-9	Atrazine	U	10	1.0	10	10	6
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		45%				
13127-88-3	Phenol-D6		28%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		84%				
118-79-6	2,4,6-Tribromophenol		70%				
1718-51-0	Terphenyl-D14		128%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 19:06
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-18
Client ID: WB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	J	0.5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 19:06
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-18
Client ID: WB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		119%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		94%				

Page 02 of 02 F8792.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WB-011608-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0307-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F8792

Level: (low/med) LOW Date Received: 01/17/08

% Moisture: not dec. _____ Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

ET-MW01S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-3

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9195

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 13:22
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-4
Client ID: ET-MW02S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	3	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 13:22
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-4
Client ID: ET-MW02S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		93%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

ET-MW02S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-4

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9196

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 12:21
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-2
Client ID: ET-MW03S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 12:21
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-2
Client ID: ET-MW03S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		95%				

Page 02 of 02 F9194.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

ET-MW03S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-2

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9194

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 14:56
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-7
Client ID: FD-020508-01 ET-MW03S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 14:56
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-7 FT-MW03S
Client ID: FD-020508-01
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		98%				

Page 02 of 02 F9199.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID
ET-MW03S
FD-020508-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0658-7

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9199

Level: (low/med) LOW Date Received: 02/07/08

% Moisture: not dec. _____ Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 11:50
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-1RA
Client ID: TB-020508-01
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 11:50
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-1RA
Client ID: TB-020508-01
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		90%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB-020508-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0658-1RA

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9193

Level: (low/med) LOW Date Received: 02/07/08

% Moisture: not dec. _____ Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 16:28
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-4
Client ID: SA-MW-126S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	1	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	0.4	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	0.5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 16:28
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-4
Client ID: SA-MW-126S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		108%				
460-00-4	P-Bromofluorobenzene		103%				

Page 02 of 02 S9226.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-126S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-4

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9226

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 13:54
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-5
Client ID: SA-MW126I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 13:54
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-5
Client ID: SA-MW126I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		93%				

Page 02 of 02 F9197.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW126I

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-5

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9197

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: John Poremba
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SB0056-2
Report Date: 18-JAN-08
Client PO: 1000693 26-449 + 450
Project: CTO 449 + 450 NWIRP Calverton
SDG: SB0056

Sample Description	Matrix	Date Sampled	Date Received
SA-MW126I-5052	SL	06-DEC-07	04-JAN-08

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
TOC In Soil	2000 ug/gdrywt	560	LLOYDKAHN	WG47223	07-JAN-08 10:54:50	N/A	N/A	AMB	
Total Solids	72. %	1	CLP SOW 788	WG47216	07-JAN-08 09:33:00	CLP SOW 788	04-JAN-08	JF	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 14:25
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-6
Client ID: SA-MW126D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	J	2	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/05/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 14:25
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-6
Client ID: SA-MW126D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		94%				

Page 02 of 02 F9198.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW126D

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-6

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9198

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: John Poremba
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SB0056-1
Report Date: 18-JAN-08
Client PO: 1000693 26-449 + 450
Project: CTO 449 + 450 NWIRP Calverton
SDG: SB0056

Sample Description	Matrix	Date Sampled	Date Received
SA-MW126D-8384	SL	04-DEC-07	04-JAN-08

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
TOC In Soil	720 ug/gdrywt	470	LLOYDKAHN	WG47223	07-JAN-08 10:25:51	N/A	N/A	AMB	
Total Solids	84. %	1	CLP SOW 788	WG47216	07-JAN-08 09:32:00	CLP SOW 788	04-JAN-08	JF	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 17:30
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-6
Client ID: SA-MW-127S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	2	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 17:30
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-6
Client ID: SA-MW-127S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		104%				

Page 02 of 02 S9228.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-127S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-6

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9228

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 10:29
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-10
Client ID: FD-013108-01 SA-MW127S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	J	2	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 10:29
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-10
Client ID: FD-013108-01 SA-MW12ZS
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		100%				

Page 02 of 02 S9243.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

FD-013108-01

SA-MW127S

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0566-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S9243

Level: (low/med) LOW Date Received: 02/01/08

% Moisture: not dec. _____ Date Analyzed: 02/13/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 18:33
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-8
Client ID: SA-MW-127I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane		51	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene		30	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	E	440	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane		94	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	J	0.9	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	J	0.6	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	J	0.5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 18:33
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-8
Client ID: SA-MW-127I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	J	0.7	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	J	3	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	J	0.7	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	J	2	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		99%				

Page 02 of 02 S9230.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-127I

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-8

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9230

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 09:27
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-8DL
Client ID: SA-MW-127I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	5.0	5	25	2
74-87-3	Chloromethane	U	25	5.0	5	25	3
75-01-4	Vinyl chloride	U	25	5.0	5	25	2
74-83-9	Bromomethane	U	25	5.0	5	25	5
75-00-3	Chloroethane		48	5.0	5	25	2
75-69-4	Trichlorofluoromethane	U	25	5.0	5	25	2
75-35-4	1,1-Dichloroethene		30	5.0	5	25	2
76-13-1	Freon-113	U	25	5.0	5	25	2
67-64-1	Acetone	U	25	5.0	5	25	13
75-15-0	Carbon Disulfide	U	25	5.0	5	25	3
79-20-9	Methyl Acetate	U	25	5.0	5	25	4
75-09-2	Methylene Chloride	U	25	5.0	5	25	2
156-60-5	trans-1,2-Dichloroethene	U	25	5.0	5	25	2
1634-04-4	Methyl tert-butyl ether	U	25	5.0	5	25	3
75-34-3	1,1-Dichloroethane		410	5.0	5	25	2
156-59-2	cis-1,2-Dichloroethene	U	25	5.0	5	25	2
540-59-0	1,2-Dichloroethylene (total)	U	50	5.0	10	50	2
78-93-3	2-Butanone	U	25	5.0	5	25	10
67-66-3	Chloroform	U	25	5.0	5	25	2
71-55-6	1,1,1-Trichloroethane		82	5.0	5	25	2
1735-17-7	Cyclohexane	U	25	5.0	5	25	3
56-23-5	Carbon Tetrachloride	U	25	5.0	5	25	2
71-43-2	Benzene	U	25	5.0	5	25	2
107-06-2	1,2-Dichloroethane	U	25	5.0	5	25	1
79-01-6	Trichloroethene	U	25	5.0	5	25	3
108-87-2	Methylcyclohexane	U	25	5.0	5	25	2
78-87-5	1,2-Dichloropropane	U	25	5.0	5	25	3
75-27-4	Bromodichloromethane	U	25	5.0	5	25	2
10061-01-5	cis-1,3-dichloropropene	U	25	5.0	5	25	2
108-10-1	4-methyl-2-pentanone	U	25	5.0	5	25	8
108-88-3	Toluene	U	25	5.0	5	25	2
10061-02-6	trans-1,3-Dichloropropene	U	25	5.0	5	25	1
79-00-5	1,1,2-Trichloroethane	U	25	5.0	5	25	2
127-18-4	Tetrachloroethene	U	25	5.0	5	25	2
591-78-6	2-Hexanone	U	25	5.0	5	25	6
124-48-1	Dibromochloromethane	U	25	5.0	5	25	2
106-93-4	1,2-Dibromoethane	U	25	5.0	5	25	2
108-90-7	Chlorobenzene	U	25	5.0	5	25	2
100-41-4	Ethylbenzene	U	25	5.0	5	25	2
	m+p-Xylenes	U	50	5.0	10	50	5
95-47-6	o-Xylene	U	25	5.0	5	25	2
1330-20-7	Xylenes (total)	U	75	5.0	15	75	2
100-42-5	Styrene	U	25	5.0	5	25	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 09:27
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-8DL
Client ID: SA-MW-127I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	25	5.0	5	25	2
98-82-8	Isopropylbenzene	U	25	5.0	5	25	2
79-34-5	1,1,2,2-Tetrachloroethane	U	25	5.0	5	25	2
541-73-1	1,3-Dichlorobenzene	U	25	5.0	5	25	2
106-46-7	1,4-Dichlorobenzene	J	3	5.0	5	25	2
95-50-1	1,2-Dichlorobenzene	U	25	5.0	5	25	2
96-12-8	1,2-Dibromo-3-Chloropropane	U	25	5.0	5	25	4
120-82-1	1,2,4-Trichlorobenzene	U	25	5.0	5	25	2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		111%				
460-00-4	P-Bromofluorobenzene		106%				

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: John Poremba
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SB0056-3
Report Date: 18-JAN-08
Client PO: 1000693 26-449 + 450
Project: CTO 449 + 450 NWIRP Calverton
SDG: SB0056

Sample Description	Matrix	Date Sampled	Date Received
SA-MW127I-4042	SL	11-DEC-07	04-JAN-08

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
TOC In Soil	690 ug/gdrywt	490	LLOYDKAHN	WG47223	07-JAN-08 11:02:12	N/A	N/A	AMB	
Total Solids	81. %	1	CLP SOW 788	WG47216	07-JAN-08 09:34:00	CLP SOW 788	04-JAN-08	JF	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 09:58
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-9
Client ID: SA-MW-127D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	0.6	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 13-FEB-2008 09:58
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-9
Client ID: SA-MW-127D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48305
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		104%				

Page 02 of 02 S9242.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-127D

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON

SDG No.: CAL-4

Matrix: (soil/water) WATER

Lab Sample ID: SB0566-9

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: S9242

Level: (low/med) LOW

Date Received: 02/01/08

% Moisture: not dec. _____

Date Analyzed: 02/13/08

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume:_____(uL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 16:59
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-5
Client ID: SA-MW-128S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 16:59
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-5
Client ID: SA-MW-128S
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		96%				

Page 02 of 02 S9227.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-128S

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-5

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9227

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: John Poremba
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SB0056-4
Report Date: 18-JAN-08
Client PO: 1000693 26-449 + 450
Project: CTO 449 + 450 NWIRP Calverton
SDG: SB0056

Sample Description	Matrix	Date Sampled	Date Received
SA-MW128S-1517	SL	14-DEC-07	04-JAN-08

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
TOC In Soil	J240 ug/gdrywt	490	LLOYDKAHN	WG47223	07-JAN-08 11:10:17	N/A	N/A	AMB	
Total Solids	81.%	1	CLP SOW 788	WG47216	07-JAN-08 09:35:00	CLP SOW 788	04-JAN-08	JF	

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 15:57
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-3
Client ID: SA-MW-128I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane		6	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene		18	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		160	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane		48	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 15:57
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-3
Client ID: SA-MW-128I
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	J	0.9	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	J	1	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		98%				

Page 02 of 02 S9225.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-128I

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0566-3

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S9225

Level: (low/med) LOW Date Received: 02/01/08

% Moisture: not dec. _____ Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 18:01
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-7
Client ID: SA-MW-128D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	J	0.4	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/31/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 18:01
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-7
Client ID: SA-MW-128D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		96%				

Page 02 of 02 S9229.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-128D

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-7

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9229

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 15:24
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-4
Client ID: SA-MW-129S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 15:24
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-4
Client ID: SA-MW-129S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		87%				

Page 02 of 02 S8925.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-129S-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-4

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8925

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 16:57
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-7
Client ID: SA-MW-129I-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	2	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 16:57
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-7
Client ID: SA-MW-129I-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		104%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		91%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-129I-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-7

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8928

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 15:26
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-2
Client ID: SA-MW-129D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	J	0.8	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	0.5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	0.9	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 15:26
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-2
Client ID: SA-MW-129D
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		96%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-MW-129D

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0566-2

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9224

Level: (low/med) LOW — Date Received: 02/01/08

% Moisture: not dec. _____ — Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 18:35
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-17
Client ID: SA-PZ-118S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	1	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	4	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 18:35
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-17
Client ID: SA-PZ-118S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		117%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		95%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-118S-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-2

Matrix: (soil/water) WATER — Lab Sample ID: SB0307-17

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F8791

Level: (low/med) LOW — Date Received: 01/17/08

% Moisture: not dec. _____ — Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 18:04
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-16
Client ID: SA-PZ-118I-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 23-JAN-2008 18:04
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0307-16
Client ID: SA-PZ-118I-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		98%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-118I-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON

SDG No.: CAL-2

Matrix: (soil/water) WATER

Lab Sample ID: SB0307-16

Sample wt/vol: 5.000 (g/mL) ML

Lab File ID: F8790

Level: (low/med) LOW

Date Received: 01/17/08

% Moisture: not dec. _____

Date Analyzed: 01/23/08

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 17:28
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-8
Client ID: SA-PZ-120S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 17:28
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-8
Client ID: SA-PZ-120S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		107%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		83%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-120S-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-8

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8929

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 15:55
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-5
Client ID: SA-PZ-122S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 15:55
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-5
Client ID: SA-PZ-122S-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		89%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		86%				

Page 02 of 02 S8926.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-122S-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-5

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8926

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 14:22
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-2
Client ID: SA-PZ-122I-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	1	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 14:22
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-2
Client ID: SA-PZ-122I-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		88%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-122I-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-2

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8923

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 16:26
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-6
Client ID: SA-PZ-122D-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	2	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 16:26
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-6
Client ID: SA-PZ-122D-20080117
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		80%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-122D-20080117

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-3

Matrix: (soil/water) WATER Lab Sample ID: SB0361-6

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S8927

Level: (low/med) LOW Date Received: 01/19/08

% Moisture: not dec. _____ Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 25-JAN-2008 15:55
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0360-2
Client ID: SA-PZ-123S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47798
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	J	0.5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 25-JAN-2008 15:55
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0360-2
Client ID: SA-PZ-123S-20080116
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47798
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		109%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-123S-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0360-2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S8864

Level: (low/med) LOW Date Received: 01/19/08

% Moisture: not dec. _____ Date Analyzed: 01/25/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 13:51
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-1
Client ID: SA-PZ-123I-20080116
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	J	0.7	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene		7	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		55	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	1	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 13:51
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-1
Client ID: SA-PZ-123I-20080116
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	J	0.6	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	J	0.7	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		83%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-123I-20080116

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-3

Matrix: (soil/water) WATER Lab Sample ID: SB0361-1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S8922

Level: (low/med) LOW Date Received: 01/19/08

% Moisture: not dec. _____ Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 14:53
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-3
Client ID: SA-PZ-123I1-2008011
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	3	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		23	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	J	4	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 14:53
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-3
Client ID: SA-PZ-123I1-2008011
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	J	0.5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	J	1	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		88%				

Page 02 of 02 S8924.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-PZ-123I1-2008011

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-3

Matrix: (soil/water) WATER — Lab Sample ID: SB0361-3

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S8924

Level: (low/med) LOW — Date Received: 01/19/08

% Moisture: not dec. _____ — Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/06/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 15:27
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-8
Client ID: SA-SW-201
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/06/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 15:27
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-8
Client ID: SA-SW-201
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		100%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-SW-201

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0658-8

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9200

Level: (low/med) LOW Date Received: 02/07/08

% Moisture: not dec. _____ Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/06/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 15:58
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-9
Client ID: SA-SW-204
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/06/08
Received Date: 02/07/08
Extraction Date:
Analysis Date: 16-FEB-2008 15:58
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0658-9
Client ID: SA-SW-204
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG48442
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		99%				

Page 02 of 02 F9201.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SA-SW-204

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: CAL-4

Matrix: (soil/water) WATER — Lab Sample ID: SB0658-9

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: F9201

Level: (low/med) LOW — Date Received: 02/07/08

% Moisture: not dec. _____ — Date Analyzed: 02/16/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 11:16
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-9
Client ID: RB-011808-01
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone		6	1.0	5	5	2
67-66-3	Chloroform	J	0.4	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/17/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 30-JAN-2008 11:16
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0361-9
Client ID: RB-011808-01
SDG: CAL-3
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47926
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		78%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

RB-011808-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-3

Matrix: (soil/water) WATER Lab Sample ID: SB0361-9

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S8917

Level: (low/med) LOW Date Received: 01/19/08

% Moisture: not dec. _____ Date Analyzed: 01/30/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 11:17
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-1
Client ID: TB-013008-01
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/30/08
Received Date: 02/01/08
Extraction Date:
Analysis Date: 12-FEB-2008 11:17
Report Date: 02/19/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0566-1
Client ID: TB-013008-01
SDG: CAL-4
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48279
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		95%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB-013008-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-4

Matrix: (soil/water) WATER Lab Sample ID: SB0566-1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S9216

Level: (low/med) LOW Date Received: 02/01/08

% Moisture: not dec. _____ Date Analyzed: 02/12/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 25-JAN-2008 10:45
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0360-1
Client ID: TB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47798
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/16/08
Received Date: 01/19/08
Extraction Date:
Analysis Date: 25-JAN-2008 10:45
Report Date: 02/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0360-1
Client ID: TB-011608-01
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47798
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		106%				

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 01/23/08
Report Date: 02/07/2008
Matrix: WATER

Lab ID: WG47706-3 & WG47706-4
Client ID: C-MW07S-20080115MS & C-MW07S-20080115MSD
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	0.00	53	53	105	106	0.4	20	20-143
Chloromethane	50	50	0.65	45	49	88	97	9	20	34-132
Vinyl chloride	50	50	0.00	47	50	93	101	8	20	48-136
Bromomethane	50	50	0.00	51	55	103	109	6	20	52-129
Chloroethane	50	50	0.00	49	52	99	104	5	20	43-146
Trichlorofluoromethane	50	50	0.00	53	55	105	109	4	20	62-157
1,1-Dichloroethene	50	50	0.00	46	52	93	104	12	20	64-126
Freon-113	50	50	0.00	46	53	92	107	15	20	78-140
Acetone	50	50	0.00	56	49	112	97	14	20	15-160
Carbon Disulfide	50	50	0.00	55	59	109	119	8	20	59-136
Methyl Acetate	50	50	0.00	43	38	87	76	14	30	52-142
Methylene Chloride	50	50	0.00	46	49	91	98	7	20	63-122
trans-1,2-Dichloroethene	50	50	0.00	45	49	90	97	7	20	65-128
Methyl tert-butyl ether	100	100	0.00	99	105	99	105	6	20	71-140
1,1-Dichloroethane	50	50	0.00	51	56	102	111	8	20	74-135
cis-1,2-Dichloroethene	50	50	0.00	43	47	87	94	8	20	75-117
1,2-Dichloroethylene (total)	100	100	0.00	89	96	89	96	8	20	72-121
2-Butanone	50	50	0.00	49	50	99	101	2	20	45-184
Chloroform	50	50	0.00	49	53	97	105	8	20	80-125
1,1,1-Trichloroethane	50	50	0.00	52	55	103	109	6	20	79-125
Cyclohexane	50	50	0.00	45	51	90	103	14	20	57-128
Carbon Tetrachloride	50	50	0.00	47	54	95	107	12	20	76-123
Benzene	50	50	0.00	42	47	83	94	12	20	71-125
1,2-Dichloroethane	50	50	0.00	50	52	101	104	3	20	75-125
Trichloroethene	50	50	0.00	42	47	85	94	10	20	78-118
Methylcyclohexane	50	50	0.00	39	46	* 78	91	16	30	83-125
1,2-Dichloropropane	50	50	0.00	41	45	81	91	11	20	78-127
Bromodichloromethane	50	50	0.00	44	47	88	94	6	20	76-118
cis-1,3-dichloropropene	50	50	0.00	44	47	88	94	7	20	84-125
4-methyl-2-pentanone	50	50	0.00	53	52	106	104	1	20	44-157
Toluene	50	50	0.00	43	44	85	89	4	20	79-118
trans-1,3-Dichloropropene	50	50	0.00	52	54	104	107	3	20	89-137
1,1,2-Trichloroethane	50	50	0.00	45	47	90	94	5	20	76-125
Tetrachloroethene	50	50	0.00	35	45	* 70	91	* 26	20	71-137
2-Hexanone	50	50	0.00	48	54	96	107	11	20	27-182
Dibromochloromethane	50	50	0.00	44	50	88	100	13	20	77-119
1,2-Dibromoethane	50	50	0.00	45	50	90	100	10	20	78-124
Chlorobenzene	50	50	0.00	41	49	82	97	17	20	81-118
Ethylbenzene	50	50	0.00	40	52	81	104	* 25	20	80-115
m+p-Xylenes	100	100	0.00	80	98	* 80	98	* 21	20	87-113
o-Xylene	50	50	0.00	41	50	82	100	20	20	80-118
Xylenes (total)	150	150	0.00	120	148	* 80	99	* 21	20	85-114
Styrene	50	50	0.00	44	54	89	108	20	20	81-116
Bromoform	50	50	0.00	44	51	87	101	15	20	69-129
Isopropylbenzene	50	50	0.00	45	52	90	103	14	20	87-129

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/15/08
Received Date: 01/17/08
Extraction Date:
Analysis Date: 01/23/08
Report Date: 02/07/2008
Matrix: WATER

Lab ID: WG47706-3 & WG47706-4
Client ID: C-MW07S-20080115MS & C-MW07S-20080115MSD
SDG: CAL-2
Extracted by:
Extraction Method: SW846 5030
Analyst: JLP
Analysis Method: SW846 8260B
Lab Prep Batch: WG47706
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,1,2,2-Tetrachloroethane	50	50	0.00	44	46	89	93	4	20	68-133
1,3-Dichlorobenzene	50	50	0.00	40	41	* 81	* 83	2	20	86-111
1,4-Dichlorobenzene	50	50	0.00	41	47	83	94	13	20	78-118
1,2-Dichlorobenzene	50	50	0.00	43	44	* 85	88	3	20	86-113
1,2-Dibromo-3-Chloropropane	50	50	0.00	52	48	105	96	9	20	63-133
1,2,4-Trichlorobenzene	50	50	0.00	43	48	86	96	11	20	74-116

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB-011608-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: CAL-2

Matrix: (soil/water) WATER Lab Sample ID: SB0360-1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S8854

Level: (low/med) LOW Date Received: 01/19/08

% Moisture: not dec. _____ Date Analyzed: 01/25/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 16:55
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-11
Client ID: CA-PRSC-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 16:55
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-11
Client ID: CA-PRSC-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		77%				
17060-07-0	1,2-Dichloroethane-D4		79%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		76%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: SB0889

Matrix: (soil/water) WATER Lab Sample ID: SB0889-11

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S9501

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 14:19
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-6RA
Client ID: CA-PRSC-02-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		12	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	J	2	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	2	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	J	0.5	1.0	5	5	0.3
79-01-6	Trichloroethene	J	0.8	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 14:19
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-6RA
Client ID: CA-PRSC-02-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		77%				
17060-07-0	1,2-Dichloroethane-D4		77%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		80%				

Page 02 of 02 S9496.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-02-01

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-6RA

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9496

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 15:53
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-9 CA-PRSC-02-01
Client ID: CA-PRSC-DUP-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	J	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane		12	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	J	1	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	1	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	J	0.6	1.0	5	5	0.3
79-01-6	Trichloroethene	J	0.8	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 15:53
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-9 CA-PRSC-02-01
Client ID: CA-PRSC-DUP-01
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		77%				
17060-07-0	1,2-Dichloroethane-D4		79%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		84%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID
CA-PRSC-02-01
CA-PRSC-DUP-01

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-9

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9499

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 14:50
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-7
Client ID: CA-PRSC-02-02
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 14:50
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-7
Client ID: CA-PRSC-02-02
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	J	2	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		76%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		75%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-02-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON SDG No.: SB0889

Matrix: (soil/water) WATER Lab Sample ID: SB0889-7

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S9497

Level: (low/med) LOW Date Received: 02/21/08

% Moisture: not dec. _____ Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 15:21
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-8
Client ID: CA-PRSC-02-03
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	J	0.8	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	J	0.7	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 15:21
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-8
Client ID: CA-PRSC-02-03
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		77%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		83%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-02-03

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-8

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9498

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) — Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 16:24
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-10
Client ID: CA-PRSC-03
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 16:24
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-10
Client ID: CA-PRSC-03
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		80%				
17060-07-0	1,2-Dichloroethane-D4		77%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		82%				

Page 02 of 02 S9500.D

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-03

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-10

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9500

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 13:48
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-5RA
Client ID: CA-PRSC-04
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 13:48
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-5RA
Client ID: CA-PRSC-04
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		79%				
17060-07-0	1,2-Dichloroethane-D4		76%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		87%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

CA-PRSC-04

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-5RA

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9495

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/15/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 11:12
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-12RA
Client ID: TRIP BLANK
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	5	1.0	5	5	0.4
74-87-3	Chloromethane	U	5	1.0	5	5	0.6
75-01-4	Vinyl chloride	U	5	1.0	5	5	0.4
74-83-9	Bromomethane	U	5	1.0	5	5	0.9
75-00-3	Chloroethane	U	5	1.0	5	5	0.5
75-69-4	Trichlorofluoromethane	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	0.4
76-13-1	Freon-113	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
75-15-0	Carbon Disulfide	U	5	1.0	5	5	0.5
79-20-9	Methyl Acetate	U	5	1.0	5	5	0.9
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.5
1634-04-4	Methyl tert-butyl ether	U	5	1.0	5	5	0.6
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	0.3
78-93-3	2-Butanone	U	5	1.0	5	5	2
67-66-3	Chloroform	U	5	1.0	5	5	0.4
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	0.4
1735-17-7	Cyclohexane	U	5	1.0	5	5	0.6
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	0.4
71-43-2	Benzene	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.3
79-01-6	Trichloroethene	U	5	1.0	5	5	0.5
108-87-2	Methylcyclohexane	U	5	1.0	5	5	0.3
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.5
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.3
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.4
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
108-88-3	Toluene	U	5	1.0	5	5	0.3
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.2
79-00-5	1,1,2-Trichloroethane	U	5	1.0	5	5	0.4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	0.5
591-78-6	2-Hexanone	U	5	1.0	5	5	1
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.3
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.4
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.4
	m+p-Xylenes	U	10	1.0	10	10	1.0
95-47-6	o-Xylene	U	5	1.0	5	5	0.4
1330-20-7	Xylenes (total)	U	15	1.0	15	15	0.4
100-42-5	Styrene	U	5	1.0	5	5	0.3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/15/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 26-FEB-2008 11:12
Report Date: 03/05/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0889-12RA
Client ID: TRIP BLANK
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-25-2	Bromoform	U	5	1.0	5	5	0.3
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	0.5
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.4
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.7
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		79%				
17060-07-0	1,2-Dichloroethane-D4		75%				
2037-26-5	Toluene-D8		84%				
460-00-4	P-Bromofluorobenzene		81%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TRIP BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES — Lab Code: KAS

Project: CTO 449 & 450 NWIRP CALVERTON — SDG No.: SB0889

Matrix: (soil/water) WATER — Lab Sample ID: SB0889-12RA

Sample wt/vol: 5.000 (g/mL) ML — Lab File ID: S9490

Level: (low/med) LOW — Date Received: 02/21/08

% Moisture: not dec. _____ — Date Analyzed: 02/26/08

GC Column: RTX-VMS ID: 0.18 (mm) — Dilution Factor: 1.0

Soil Extract Volume:_____(uL) — Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 02/26/08
Report Date: 03/05/2008
Matrix: WATER

Lab ID: WG48732-3 & WG48732-4
Client ID: CA-PRSC-01MS & CA-PRSC-01MSD
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	0.00	41	38	81	77	6	20	20-143
Chloromethane	50	50	0.00	46	46	92	91	1	20	34-132
Vinyl chloride	50	50	0.00	52	52	103	103	0.0	20	48-136
Bromomethane	50	50	0.00	46	46	92	93	1	20	52-129
Chloroethane	50	50	0.00	52	50	104	100	4	20	43-146
Trichlorofluoromethane	50	50	0.00	60	59	119	118	0.8	20	62-157
1,1-Dichloroethene	50	50	0.00	49	49	98	98	0.2	20	64-126
Freon-113	50	50	0.00	59	61	118	122	3	20	78-140
Acetone	50	50	0.00	50	46	101	91	10	20	15-160
Carbon Disulfide	50	50	0.00	56	56	112	113	0.4	20	59-136
Methyl Acetate	50	50	0.00	39	37	79	74	6	30	52-142
Methylene Chloride	50	50	0.00	47	45	94	91	3	20	63-122
trans-1,2-Dichloroethene	50	50	0.00	53	51	107	101	5	20	65-128
Methyl tert-butyl ether	100	100	0.00	103	100	103	100	3	20	71-140
1,1-Dichloroethane	50	50	0.00	52	50	104	101	3	20	74-135
cis-1,2-Dichloroethene	50	50	0.00	54	51	108	101	6	20	75-117
1,2-Dichloroethylene (total)	100	100	0.00	107	101	107	101	6	20	72-121
2-Butanone	50	50	0.00	51	47	103	95	8	20	45-184
Chloroform	50	50	0.00	53	51	106	102	3	20	80-125
1,1,1-Trichloroethane	50	50	0.00	54	51	108	103	4	20	79-125
Cyclohexane	50	50	0.00	47	47	93	93	0.0	20	57-128
Carbon Tetrachloride	50	50	0.00	55	56	111	112	0.9	20	76-123
Benzene	50	50	0.00	50	53	99	106	7	20	71-125
1,2-Dichloroethane	50	50	0.00	55	54	110	109	0.9	20	75-125
Trichloroethene	50	50	0.00	54	56	108	113	4	20	78-118
Methylcyclohexane	50	50	0.00	56	55	112	110	2	30	83-125
1,2-Dichloropropane	50	50	0.00	54	54	108	109	1	20	78-127
Bromodichloromethane	50	50	0.00	55	55	110	110	0.2	20	76-118
cis-1,3-dichloropropene	50	50	0.00	54	57	109	115	5	20	84-125
4-methyl-2-pentanone	50	50	0.00	47	48	95	97	2	20	44-157
Toluene	50	50	0.00	53	58	106	116	9	20	79-118
trans-1,3-Dichloropropene	50	50	0.00	59	59	117	119	1	20	89-137
1,1,2-Trichloroethane	50	50	0.00	50	55	99	109	10	20	76-125
Tetrachloroethene	50	50	0.00	55	57	111	114	3	20	71-137
2-Hexanone	50	50	0.00	46	50	91	100	9	20	27-182
Dibromochloromethane	50	50	0.00	51	51	102	102	0.6	20	77-119
1,2-Dibromoethane	50	50	0.00	53	53	105	106	0.9	20	78-124
Chlorobenzene	50	50	0.00	56	54	113	108	5	20	81-118
Ethylbenzene	50	50	0.00	54	54	107	109	2	20	80-115
m+p-Xylenes	100	100	0.00	116	110	* 116	110	5	20	87-113
o-Xylene	50	50	0.00	52	56	105	113	8	20	80-118
Xylenes (total)	150	150	0.00	168	166	112	111	1	20	85-114
Styrene	50	50	0.00	50	53	99	106	6	20	81-116
Bromoform	50	50	0.00	54	56	107	113	5	20	69-129
Isopropylbenzene	50	50	0.00	65	64	129	127	2	20	87-129

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 02/20/08
Received Date: 02/21/08
Extraction Date:
Analysis Date: 02/26/08
Report Date: 03/05/2008
Matrix: WATER

Lab ID: WG48732-3 & WG48732-4
Client ID: CA-PRSC-01MS & CA-PRSC-01MSD
SDG: SB0889
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG48732
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
1,1,2,2-Tetrachloroethane	50	50	0.00	51	46	102	93	9	20	68-133
1,3-Dichlorobenzene	50	50	0.00	57	55	* 113	110	3	20	86-111
1,4-Dichlorobenzene	50	50	0.00	55	55	110	110	0.4	20	78-118
1,2-Dichlorobenzene	50	50	0.00	57	55	* 115	111	3	20	86-113
1,2-Dibromo-3-Chloropropane	50	50	0.00	47	49	94	97	4	20	63-133
1,2,4-Trichlorobenzene	50	50	0.00	50	45	101	90	11	20	74-116