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Data Summary Report
for
Groundwater Investigation
at
Site 2 – Fire Training Area

Naval Weapons Industrial Reserve Plant

Calverton, New York

Naval Facilities Engineering Command
Mid-Atlantic

CONTRACT NUMBER N62467-04-D-0055
Contract Task Order 450

May 2008

DATA SUMMARY REPORT
FOR
GROUNDWATER INVESTIGATION ACTIVITIES
AT
SITE 2 – FIRE TRAINING AREA

NAVAL WEAPONS INDUSTRIAL RESERVE PLANT
CALVERTON, NEW YORK

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ACRONYMS

AS/SVE	Air Sparging/Soil Vapor Extracting
AST	Aboveground Storage Tank
bgs	Below ground surface
CLEAN	Comprehensive Long-Term Environmental Action Navy
CN	cyanide
COC	Chain of Custody
CTO	Contract Task Order
DRO	Diesel range organics
EE/CA	Engineering evaluation/cost analysis
ft/day	feet per day
GOCO	Government-owned contractor-operated
GRO	Gasoline range organics
IAS	Initial Assessment Study
IDW	Investigation-derived waste
IR	Installation Restoration
MEE	Methane, Ethane, Ethene
MCL	maximum contaminant level
MPC	Marine Pollution Control
msl	mean sea level
MS/MSD	matrix spike/matrix spike duplicate
NGC	Northrop Grumman Corporation
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
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
QA	Quality Assurance
QC	Quality control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SVOC	Semi volatile organic compound
TAGM	Technical and Administrative Guidance Memorandum

ACRONYMS (Continued)

TAL	Target Analyte List
TCL	Target Compound List
TICs	Tentatively identified compounds
TPH	Total petroleum hydrocarbons
TtNUS	Tetra Tech NUS, Inc.
USDOI	United States Department of Interior
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
µg/kg	microgram per kilogram
µg/L	microgram per liter

1.0 INTRODUCTION

This report has been prepared for the Mid-Atlantic Division of the Naval Facilities Engineering Command (NFEC) by Tetra Tech NUS, Inc. (TtNUS), under Contract Task Order (CTO) 450 issued by the Mid-Atlantic Division of the Naval Facilities Engineering Command under the Comprehensive Long-Term Environmental Action Navy (CLEAN) III contract number N62467-04-D-0055. The report presents results from a groundwater investigation that was conducted at the Naval Weapons Industrial Reserve Plant (NWIRP) located in Calverton, New York (Figures 1-1 and 1-2). This investigation is being 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 1-4730-00013/00001-0.

1.1 SCOPE AND OBJECTIVES

This document provides details of field activities conducted during a groundwater investigation at Site 2 – Fire Training Area, as well as a summary of analytical findings. The primary objective of this groundwater investigation is to provide information to develop an understanding of the current site characteristics, presence of contamination, to identify potential exposure pathways and receptors, and natural degradation of site contaminants.

1.2 REPORT ORGANIZATION

This report consists of five sections. Section 1.0 provides this introduction and the scope and general objectives of the Groundwater Investigation. Section 2.0 provides a summary of the facility background and environmental setting. Section 3.0 details the field investigation activities conducted at Site 2. Section 4.0 presents the analytical results.

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, have been conveyed to the Town of Riverhead (Figure 2-1). 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.

Site 2- Fire Training Area is located on the eastern side of a 9-acre clearing in the south central area of the NWIRP Calverton facility (see Figure 2-1). A circular, concrete pit built in 1983, in the southeast corner of the clearing was used to contain liquids for the fire training exercises. The pit is approximately 80 feet in diameter and is located about 500 feet north and 800 feet west of the facility south gate. A 1,000-gallon, steel, above-ground, fuel storage tank, located approximately 75 feet north of the training pit was used to store fuels. This tank was removed in 1996. A 6,000 gallon fuel storage tank was located north of the training area prior to 1982. Little information is available on the 6,000-gallon storage tank, other than it was likely an aboveground tank located north of the concrete pit and is no longer present at this site (TtNUS, 2005a).

2.1.2 Site History

The Fire Training Area was used by NGC and Navy crash rescue crews as a training area since 1955, and possibly as early as 1952. According to the 1986 Initial Assessment Study (IAS), soil disturbances in the area were continuously evident in historical photographs. Before the concrete pit was built, in 1982, activities at the site consisted of clearing an area up to 100 feet or more in diameter and enclosing it with an earthen berm. A layer of water was then placed within the bermed area. Waste fuels, oils, and waste solvents were floated on the water and ignited. The IAS reports that up to 450 gallons of waste solvent were mixed with up to 2,100 gallons of waste fuel per year for use in the training exercises. Aircraft sections were sometimes placed in the area to simulate actual crash conditions. After 1975, waste solvents were reportedly no longer mixed with the waste fuels and oils to be ignited.

Fire fighting materials used in the training exercises included aqueous fire fighting foam, gaseous Halon 1301, water, and dry chemical extinguishers (NEESA, 1986).

The 6,000-gallon storage tank formerly located north of the fire-training ring was used for an unknown period of time prior to 1982 to store waste fuels and solvents at the site. An unknown quantity of liquid was released from the tank in August 1982. The concrete pit was constructed after the spill cleanup to prevent further soil contamination by waste fuels. The 1,000-gallon above ground storage tank (AST) was installed to replace the 6,000-gallon storage tank (NEESA, 1986). A second spill of approximately 300 gallons of waste No. 2 fuel oil occurred in 1983. The spill emanated from a leak in the piping associated with the 1,000 gallon AST.

2.1.3 Environmental Investigation History

In 1982 and 1983, two spills of waste oil were reported at the Fire Rescue Training Area. As a result of the 1982 spill, the entire Fire Rescue Training Area was upgraded. Concrete berms were installed to contain the oil and water used in the training exercises. Piping in the area was modified to prevent spills (NEESA, 1986).

Marine Pollution Control (MPC) of Calverton, New York removed 327 cubic yards (cy) of contaminated soil in 1982 because of the spill that occurred in August 1982 from the 6,000-gallon storage tank. In addition, four groundwater monitoring wells were installed in the spill area. Following the second spill of approximately 300 gallons in 1983, seven additional monitoring wells were installed by MPC to monitor potential contamination resulting from the spills (TtNUS, 2005a).

A groundwater recovery well and oil-water separation system was installed at the Fire Training Area in December 1987. The system used a pumping well, an oil recovery well, and an oil/water separation tank (Haliburton NUS, 1992). This system consisted both of an active and a passive free product recovery system. The active recovery system included a groundwater pumping well, an oil recovery well, and an oil/water separator tank. The passive recovery system consisted of hydrophobic filters located in shallow wells. The active recovery system was shut down in 1993. Passive free product recovery continued until 1996. By December 1996, approximately 325 gallons of petroleum product had been removed from this site (TtNUS, 2005a).

In 1987, sampling activities at the Fire Training Area consisted of collecting 15 soil samples at 5 soil boring locations, 6 samples of groundwater, and samples of free product layers found in two of the monitoring wells. Each of the samples was analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), semi volatile organic compounds (SVOCs), Target Analyte List (TAL) metals, cyanide (CN), polychlorinated biphenyls (PCBs), and pesticides.

Results of the soil boring samples indicated significant contamination by VOCs and SVOCs, PCBs, and pesticides. Contamination by inorganic parameters was limited. Volatile and semi volatile organic tentatively identified compounds (TICs) were identified in all soil-boring samples

Groundwater monitoring results from the six monitoring wells indicated the presence of significant contamination by VOCs, SVOCs, and inorganic compounds.

The results of the chemical analysis of the free product layer found in two of the monitoring wells indicated that significant concentrations of chlorinated VOCs were present. A limited number of significant TICs were identified.

In 1994 and 1995, a RCRA investigation was conducted (Haliburton NUS, 1995). Two rounds of groundwater samples were collected and analyzed for TCL VOCs, SVOCs, pesticide/PCB organic compounds, TAL metals/CN, and hexavalent chromium.

VOCs were detected at relatively high concentrations in Site 2 soil. The fire-training pit was the most likely primary source area. VOCs detected in soil included solvents and fuel-related contaminants. Solvents detected included 2-butanone (5,900 micrograms per kilogram [µg/kg]), chloroethane (330 µg/kg), dichlorobenzene (900 µg/kg), tetrachloroethene (470 µg/kg), and 1, 1, 1-trichloroethane (9,900 µg/kg). Fuel-related contaminants detected include ethylbenzene (3,700 µg/kg), toluene (6,100 µg/kg), and xylenes (85,000 µg/kg).

Groundwater testing results during the RCRA Facility Investigation (RFI) exhibited VOCs at concentrations above federal Maximum Contaminant Levels (MCLs) or New York groundwater quality standards: chloroethane (1,100 micrograms per liter [µg/L]), 1 ,1-dichloroethane (1,200 µg/L), toluene (320 µg/L), 1 ,1, 1-trichloroethane (140 µg/L), and xylenes (230 µg/L).

The area of these detections was addressed by the pilot-scale air sparging/soil vapor extraction (AS/SVE) system that started operation in 1995. By June 1997, the maximum detected chlorinated VOC concentration was 78 µg/L (1, 2-dichloroethene) and the maximum detected fuel-related concentration for xylenes was 91 µg/L. The state groundwater standard for most VOCs is 5 µg/L. PCBs (18 µg/L), Polynuclear aromatic hydrocarbons (PAHs) (3 µg/L), and lead (30.8 µg/L) were detected at concentrations above federal MCLs or state groundwater quality standards. Phthalates and pesticides were detected at concentrations below these standards in several monitoring well samples. Based on the similarity between chemicals found in Site 2 soil and groundwater, it is likely that soil contaminants have affected groundwater.

By 2000, approximately 80 pounds of target VOCs had been removed. In addition, an estimated 30,000 pounds of organics had been destroyed through biodegradation. VOC concentrations in soil and groundwater had been reduced by approximately 70 to 95 percent.

In 1997, a Phase 2 Remedial Investigation (RI) was conducted (TtNUS, 2001). Four on-site and four off-site temporary monitoring wells were installed. Groundwater samples were collected from various depths at each location and analyzed for VOCs. In addition, one shallow depth and one intermediate depth permanent monitoring well were installed. Two rounds of groundwater samples were collected from permanent monitoring wells and analyzed for VOCs. The results of the sampling indicated that the nature and extent of groundwater contamination had been defined, and there were no remaining data gaps.

The Navy conducted an Engineering Evaluation/Cost Analysis (EE/CA) in 1998 for several sites at NWIRP Calverton, including Site 2 (TtNUS, 1998). The analysis recommended that free product recovery be restarted at Site 2. Groundwater extraction tests were conducted in 1999 in anticipation of a new free product recovery system (vapor-assisted oil skimming). However, based on subsequent field-testing, several interferences were noted that impacted the ability to successfully extract and treat the groundwater. An alternate recommendation was made to recover product using passive techniques (i.e. absorbent pillows).

In May 2005, three surface water samples were collected from water located within the concrete pit. The samples were submitted for laboratory analysis. The purpose of the sampling was to

determine if draining the water from the concrete pit and onto the site was acceptable. Results from the sampling indicated that no contamination was present in the water (TtNUS, 2005b).

In 2005, five surface soil locations were sampled and analyzed for total petroleum hydrocarbons (TPH) - diesel range organics (DRO), TPH- gasoline range organics (GRO), PAHs, pesticides, PCBs, and inorganics. There were 11 exceedances of PAHs [benzo(a)anthracene, benzo(a)pyrene; benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(l,2,3-cd)pyrenej], one PCB (Aroclor-1248) exceedance, and five exceedances of four metals (beryllium, calcium, manganese, and sodium) compared to screening levels.

In addition, thirty-eight soil borings were drilled during the field investigation. A total of 29 samples were collected from 20 borings from depths ranging from 2 to 16 feet below ground surface (bgs) and submitted for laboratory analysis of VOCs, PAHs, PCBs, pesticides, metals, and TPH -DRO and GRO. Of the 29 soil boring samples, there were 13 screening level exceedances of TPH-DRO. In addition, there were 13 exceedances of four PAHs [benzo(a)anthracene, benzo(a)pyrene, chrysene, and dibenzo(a,h)anthracene] in seven soil boring samples. There were no Technical and Administrative Guidance Memorandum (TAGM) 4046 exceedances of VOCs or PCBs in the 29 soil boring samples. Excluding essential nutrients such as calcium, magnesium, potassium, and sodium, there were three exceedances of beryllium (TtNUS, 2005b). Most of the samples had detectable concentrations of metals, PAHs, and pesticides, but not at concentrations greater than TAGM 4046. Some samples had detections of VOCs, but not at concentrations greater than TAGM 4046 (TtNUS, 2005a).

2.2 ENVIRONMENTAL SETTING

2.2.1 Topography and Drainage

NWlRP 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. NlWlRP 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, 2005a).

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 galciofluvial origin. Three distinct lithofacies were encountered. 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.

2.2.3 Surface Water and Hydrogeology

The majority of the facility is 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 (approximately 7600 feet from Site 2 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 the Fuel Calibration Area (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).

NWIRP Calverton straddles a regional groundwater divide, with groundwater beneath the northern half of the facility flowing to the northeast, with the Long Island Sound as the probable discharge point for groundwater in the shallow aquifer zones. Groundwater beneath the southern half of the facility flows to the southeast and the Peconic River basin is the likely discharge point. Groundwater on the divide, the location of which can fluctuate, flows to the east.

3.0 FIELD ACTIVITIES

Groundwater sampling was conducted at Site 2 to evaluate current groundwater quality. Groundwater at the Site was last evaluated in 1997 as part of an air sparing/soil vapor extraction system study. Sampling activities commenced on January 7, 2008 and were completed on January 11, 2008. Monitoring well locations are provided in Figure 3-1. The following presents a summary of procedures and observations during field activities conducted at the site during this investigation.

Groundwater samples were collected from sixteen existing monitoring wells at Site 2 during this investigation. Existing wells included piezometers (PZT1, PT2, and PTZ3) that were installed in 2004 as part of the Vacuum Assisted Oil Skimming Pilot Test. These wells are close to an existing groundwater monitoring well (FT-MW-02S). Groundwater samples were collected using United States Environmental Protection Agency (USEPA) Region 3 low-flow (low-stress) purging and sampling methods. A 2-inch submersible Grundfos® Redi-Flo pump was used to purge and sample groundwater from the majority of the monitoring wells at the Site; however, several wells that historically contained free product (PZT1, PZT2, PZT3, FT-MW02S, and FT-MW02I) were sampled using a peristaltic pump. An in-line flow-through meter was utilized to collect field parameters of turbidity, dissolved oxygen, oxidation reduction potential, pH, specific conductance, and temperature during low-flow purging. Groundwater samples were collected once stabilization of these parameters was achieved. Low flow purge data sheets as well as groundwater sampling log sheets can be found in Appendix A.

Groundwater samples collected during this investigation were analyzed for TCL and additional Suffolk County Department of Health Service VOCs, and methane, ethane, and ethane (MEE). Quality Assurance/Quality Control (QA/QC) samples collected for this project included matrix spike/matrix duplicates (MS/MSD), field duplicates, field blank, and trip blanks. QA/QC sample documentation can also be found on sample log sheets in Appendix A.

All purge water generated from groundwater sampling was containerized in 55-gallon drums and managed as Investigative Derived Waste (IDW).

The following observations were noted during sampling activities:

- FT-PZT1 had a petroleum odor associated with it during sampling.
- FT-PZT2 had a petroleum odor as well as 0.07 ft of measurable product.
- FT-PZT3 had a petroleum odor and a slight sheen observed on groundwater surface.
- FT-MW02S had a petroleum odor associated with it.

- FT-MW02I had a petroleum odor associated with it.

4.0 DATA EVALUATION

This section presents the results of the chemical analyses performed for the groundwater samples collected from January 2008. Samples collected during this investigation were shipped to and analyzed by Katahdin Analytical Services, Inc. of Scarborough, Maine. Chain of Custody (COC) Forms with signatures that document samples collected for this investigation can be found in Appendix B. Form I analytical reports are attached in Appendix C.

Analytical results were screened against New York State Department of Health (NYSDOH) MCLs. Table 4-1 presents the positive detections of VOCs and MEE in groundwater samples collected from the Site during the January 2008 sampling event. Concentrations that exceeded NYSDOH MCLs in Table 4-1 are bolded for identification purposes. Figure 4-1 presents a summary of historical and current detections above NYSDOH MCLs.

During the January 2008 sampling event, 21 VOCs were detected in ten of the sixteen monitoring wells sampled. Of the ten monitoring wells that contained detectable limits of VOCs, only four contained VOCs at concentrations that exceeded NYSDOH MCLs. These four wells (monitoring wells FT-MW-02S, FT-PZT1, FT-PZT2, and FT-PZT3) are associated with the Fire Training Ring area, and in particular, an area in which free product has been identified. Ethylbenzene (36 µg/l), toluene (130 µg/l), total xylenes (300 µg/l), 1,1-dichloroethane (55 µg/l), 1,2-dichlorobenzene (48 µg/l), isopropylbenzene (13 µg/l), and vinyl chloride (20 µg/l) were detected above NYSDOH MCLs in these wells. In addition several other VOCs were also detected above NYSDOH MCLs, however, not consistently. These VOCs consisted of 1,1-dichloroethene (9 µg/l), 1,2-dichlorobenzene (14 µg/l), chlorobenzene (5 µg/l), cis-1,2-dichloroethene (5 µg/l), and Chloromethane (13 µg/l).

Laboratory results from MEE analysis indicated that only methane was detected in seven wells at a maximum concentration of 9,800 µg/l.

Historically, three monitoring wells (FT-MW-02S, FT-MW-05S, and FT-MW-08I) have exhibited elevated concentrations of VOCs. Graphs illustrating trends can be found in Figures 4-2 through 4-5. Overall, these graphs indicate an downward trend in concentrations of chlorinated VOCs in these wells. 1,2-Dichloroethene (total) and vinyl chloride were the only chlorinated VOCs detected in the January 2008 sampling event and were only detected in FT-MW-02S at concentrations of 9 µg/L and 3 µg/L, respectively. Concentrations of fuel related VOCs [benzene, toluene, ethylbenzene, and xylene (BTEX)] have been historically detected and are currently detected in FT-MW-02S. Base upon an evaluation of historical and current analytical results for

BTEX, only concentrations of toluene have demonstrated a distinct downward trend as depicted in Figure 4-3.

A free product layer; the subject of a planned interim remedial action is suspected to be a continuing source of these chemicals. The absence of VOCs in the down gradient monitoring wells is an indication that the contaminant plume at Site 2 is relatively stable.

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TABLES

TABLE 4-1
GROUNDWATER ANALYTICAL RESULTS
SITE 2-FIRE TRAINING AREA
NWIRP CALVERTON, NEW YORK

Chemical	CAS No.	Federal MCLs (1)	NYSDOH MCLs (2)	FT-MW-01S-20080110	FT-MW-01I-20080110	FT-MW-02S-20080110	FT-MW-02I-20080110	FT-MW-03-20080109	FT-MW-04-20080109	FT-MW-05I-20080108	FT-MW-05S-20080108	FT-MW-06I-20080108	FT-MW-06S-20080108	FT-MW-07-20080108	FT-MW-07 20080109-DUP	FT-MW-08I-20080108	FT-MW-08S-20080108	FT-PZTI20 080110	FT-PZT220 080110	FT-PZT220 080111-Dup	FT-PZT320 080110
		(µg/l)	(µg/l)																		
Volatile Organic Compounds																					
1,1,1-Trichloroethane	71-55-6	200	5															0.5 J			
1,1-Dichloroethane	75-34-3		5			**17**											0.6 J	**55**	**8**	**10**	**10**
1,1-Dichloroethene	75-35-4	7	5																		
1,2-Dibromo-3-Chloropropane	96-12-8	0.2	5																		
1,2-Dichlorobenzene	95-50-1		5			**21**											0.4 J	**48**	**6**	**8**	**11**
1,2-Dichloroethene (total)	540-59-0		5			**9 J**											0.4 J	3 J	3 J	2 J	**13**
1,2,4-Trichlorobenzene	120-82-1	70	5															0.6 J	0.7 J	0.8 J	0.7 J
1,4-Dichlorobenzene	106-46-7		5			**8**												**14**	2 J	3 J	4 J
2-Butanone	78-93-3		50			6												2 J	4 J	4 J	4 J
2-Hexanone	591-78-6		50																		1 J
Acetone	67-64-1		50			12												6	12	14	7
Chlorobenzene	108-90-7	100	5			3 J												**5 J**	0.6 J	0.8 J	0.4 J
Chloromethane	74-87-3		5																**5 J**		
Chloroform	67-66-3	80	5		0.7 J		0.5 J			0.8 J		0.6 J									
cis-1,2-Dichloroethene	156-59-2	70	5			**9**											0.4 J	3 J	3 J	3 J	**13**
Cyclohexane	1735-17-7		50			1 J												2 J	1 J	1 J	1 J
Ethylbenzene	100-41-4	700	5			**24**												**36**	**19**	**18**	**13**
Isopropylbenzene	98-82-8		5			**8**												**13**	**6**	**6**	**6**
Methylcyclohexane	108-87-2		50			3 J												4 J		1 J	3 J
Tetrachloroethene	127-18-4	5	5																		0.6 J
Toluene	108-88-3	1,000	5			**46**												**130**	**23**	**26**	**11**
Trichloroethene	79-01-6	5	5			0.6 J		0.6 J													
Vinyl chloride	75-01-4	2	2			**3 J**												**20**	**3 J**	**5 J**	**3 J**
m+p-xylenes	1330-20-7		5			**120**												**180**	**93**	**82**	**68**
o-Xylene	95-47-6		5			**47**												**130**	**44**	**44**	**52**
Xylenes (total)	1330-20-7	10,000	5			**170**												**300**	**140**	**120**	**120**
Methane, Ethene, Ethane (µg/l)																					
Methane	74-82-8	NA	NA			9,100	8.2 J				30						960	9,800	8,700	8,800	7,800

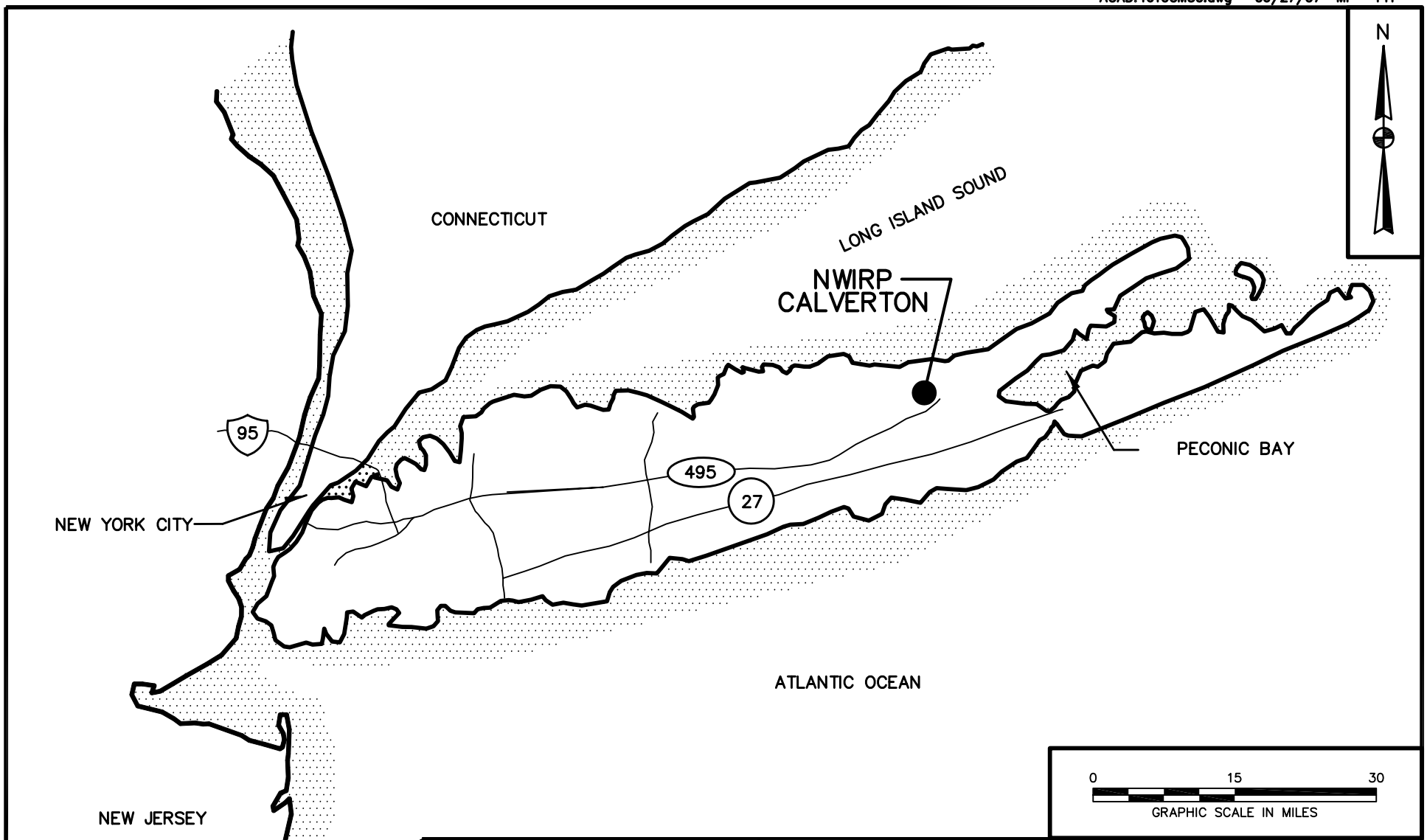
CAS-Chemical Abstracts Service
MCL- Maximum contaminat level GW- Groundwater
NYSDEC- New York State Department of Environmental Conservation µg/L-Micrograms per liter
Blank cells - No Criteria NA - Not Available

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
Bold - Indicates Exceedances from NYSDOH MCLs

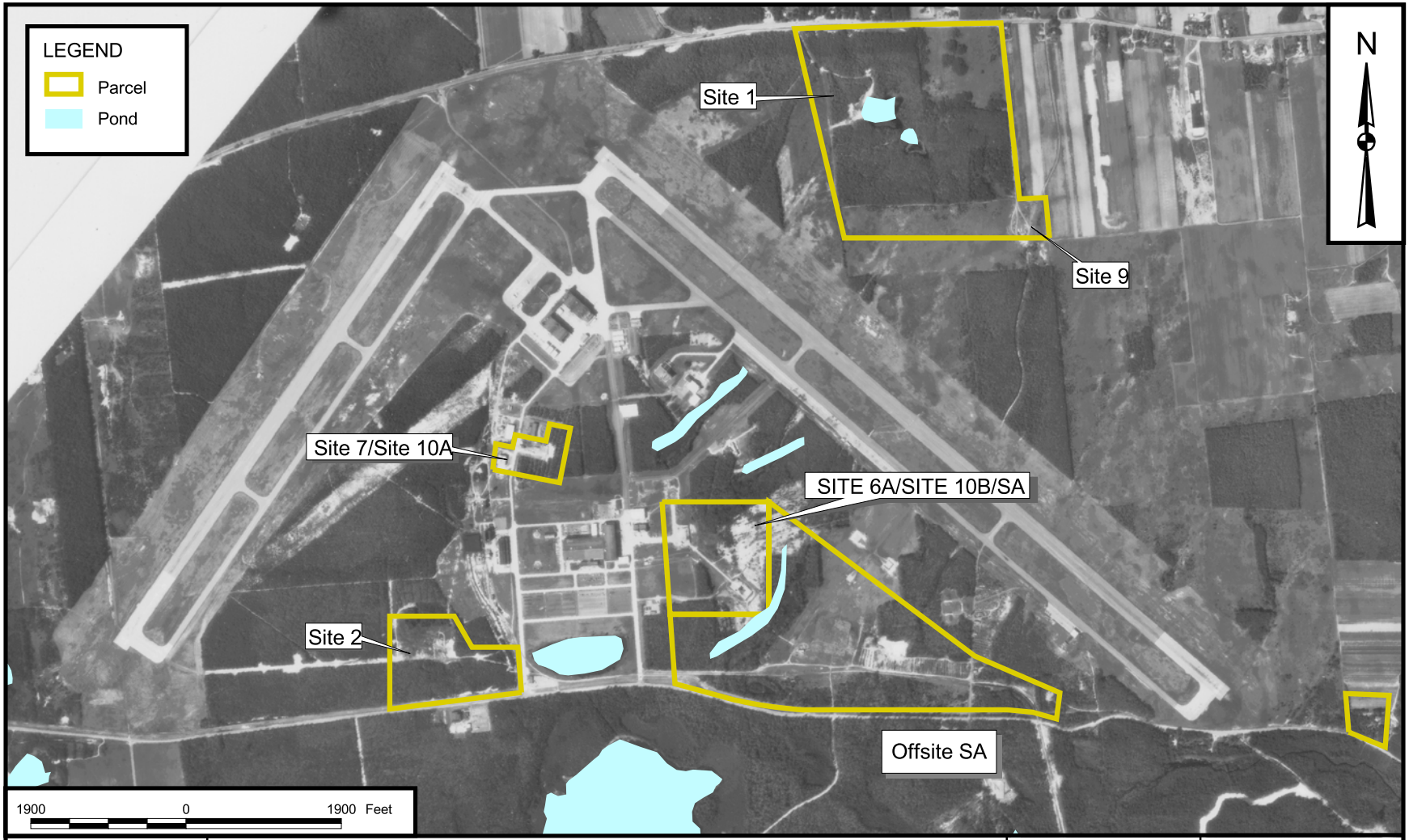
FIGURES

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

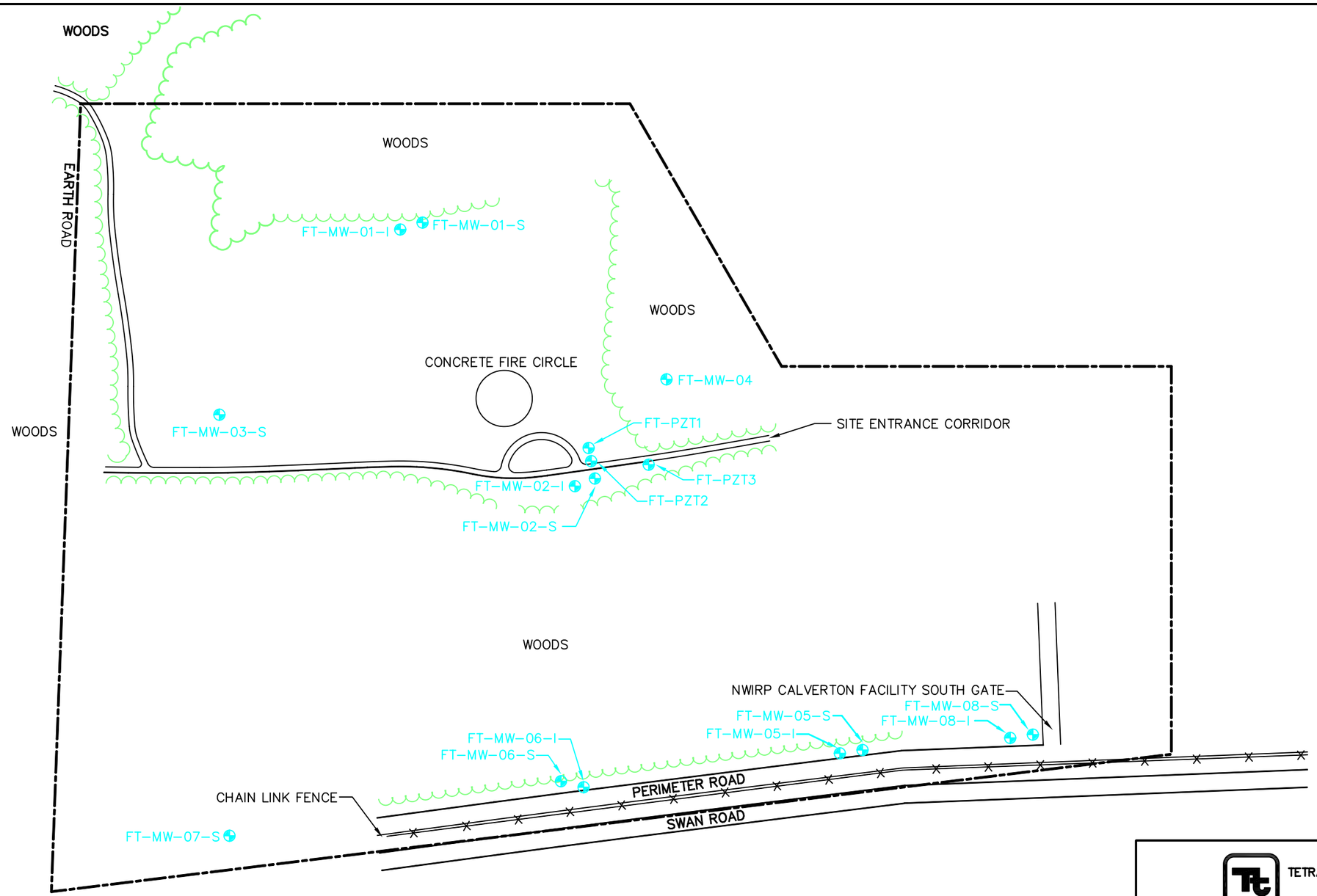
FORM CADD NO. TTNUS-AH.DWG - REV 1 -9/10/98



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

112G00902\0450\112G00902GM03.DWG 04/09/08 MKB



N

LEGEND

MONITORING WELL

PROPERTY LINE

0 160 320

SCALE IN FEET

TETRA TECH NUS, INC.

SITE 2 – FIRE TRAINING AREA
NWIRP, CALVERTON, NEW YORK

FILE	SCALE
112G00902GM03	AS NOTED
FIGURE NUMBER	REV / DATE
FIGURE 3–1	0 / 04/09/08

112G00902\0450\112G00902GM02.DWG 05/19/08 MKB

FT-MW-02-S	08/1994	08/1994 DUP	03/1995	03/1995 DUP	08/1995	09/1995	10/1995	11/1995	12/1995	01/1996	06/1997	01/2008
VINYL CHLORIDE	25	25	5 J	9 J	25							3 J
CHLOROETHANE	1,100	1,100	190	340	420	21	20	17		40 J		
1,1-DICHLORETHENE	9 J	13 J			8		6					
1,1-DICHLORETHANE	1,100	1,200	310	590	200	39	36	24		69	58	17
1,2-DICHLORETHENE (total)	310	290	93	100 J	220	18	21	14		53	78	9 J
2-BUTANONE	71 J		82	130 J	140					100	69	6
1,1,1-TRICHLOROETHANE	120	140	50	58 J	59	20	41	26		29 J		
TRICHLOROETHANE	7 J	9 J										
BENZENE	14 J	15 J			8						19 J	
ACETONE			85 J	140 J	52					280	250	12
TETRACHLOROETHENE	20	21	13		12	5	12	12		37 J		
TOLUENE	280	320	200	320	250	78	75	62		94	63	46
ETHYLBENZENE	16 J	21	18	18 J	13	13	12	10			8.7 J	24
ISOPROPYLBENZENE												8
TOTAL XYLENES	180	230	180	150 J	110	120	120	100		140	91	170
1,2-DICLOROBENZENE	8 J	7 J			5 J						NA	21
4-METHYLPHENOL	160	180	120	110	250	91				72 J	NA	NA
1,4-DICHLOROBENZENE												8
cis-1,2-DICHLOROETHENE												9
TOTAL PAH'S	94 J	111 J	19	19	82	89	124	169	95	101	NA	NA
TOTAL PHTHALATES								161			NA	NA
PCB'S	18 J	17 J	4.4 JN	6.9 JN	26	10	9	8	2.6 J	20		NA
MANGANESE	459	436	519	519	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM				3.5 J	NA	NA	NA	NA	NA	NA	NA	NA

FT-MW-01-S	08/1994	03/1995	01/2008
VOCs			
LEAD	25.4 J		NA
MANGANESE	2340 J	1010	NA

FT-MW-01-I	08/1994	03/1995	01/2008
VOCs			
SVOCs			
METALS			
PCBs			

FT-PZT1	01/2008
1,1-DICHLOROETHANE	55
1,2-DICHLOROBENZENE	48
1,4-DICHLOROBENZENE	14
ETHYLBENZENE	36
ISOPROPYLBENZENE	13
TOLUENE	130
CHLOROBENZENE	5 J
VINYL CHLORIDE	20
m+p-XYLENES	180
O-XYLENE	130
XYLENES (TOTAL)	300

FT-MW-04	08/1994	03/1995	01/2008
VOCs			
PCBs	0.84 JN	0.515	NA
MANGANESE	525	682	NA

FT-PZT3	01/2008
1,1-DICHLOROETHANE	10
1,2-DICHLOROBENZENE	11
1,2-DICHLOROETHYLENE (TOTAL)	13
ETHYLBENZENE	13
ISOPROPYLBENZENE	6
TOLUENE	11
m+p-XYLENES	68
O-XYLENE	52
XYLENES (TOTAL)	120
1,2,4-TRICHLOROBENZENE	0.7 J

FT-MW-03-S	08/1994	08/1994 DUP	03/1995	01/2008
1,1,1-TRICHLOROETHANE	5 J	5 J	6 J	
TRICHLOROETHENE	51	48	87	
PCBs	0.83 JN	0.83 JN	NA	NA
MANGANESE	1880 J	1810 J	854	NA

FT-PZT2	01/2008	01/2008 DUP
1,1-DICHLOROETHANE	8	10
1,2-DICHLOROBENZENE	6	8
ETHYLBENZENE	19	18
ISOPROPYLBENZENE	6	6
TOLUENE	23	26
VINYL CHLORIDE	3 J	
m+p-XYLENES	93	82
O-XYLENE	44	44
XYLENES (TOTAL)	140	120
1,2,4-TRICHLOROBENZENE		NA

FT-MW-08-I	06/1997	11/1997	01/2008
CHLOROETHANE	91	30	
1,1-DICHLORETHANE	110	55	
1,2-DICHLOROETHANE (TOTAL)	5.2 J	3.7	
1,1,1-TRICHLOROETHANE	13	3.8	
XYLENES (TOTAL)	13		

FT-MW-08-S	06/1997	11/1997	01/2008
VOCs			

FT-MW-05-S	08/1994	03/1995	06/1997	11/1997	01/2008
VINYL CHLORIDE	4 J	4 J			
CHLOROETHANE	130	79			
1,1-DICHLOROETHANE	16	22			
1,2-DICHLOROETHENE (TOTAL)	26	26			
TOLUENE	23				
TOTAL XYLENES	17	8 J			
LEAD	30.8 J		NA	NA	NA
MANGANESE	725 J	550	NA	NA	NA

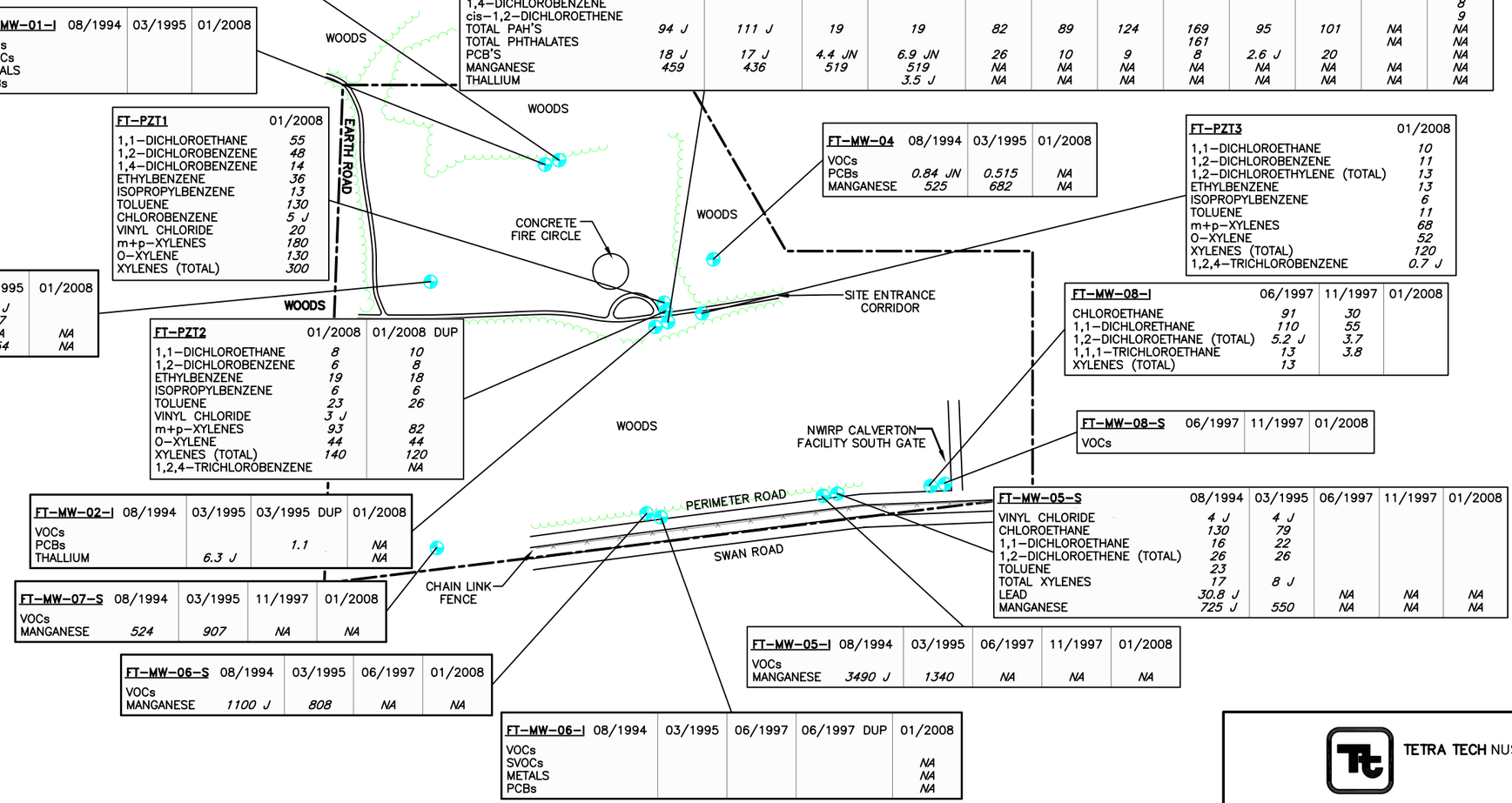
FT-MW-02-I	08/1994	03/1995	03/1995 DUP	01/2008
VOCs				
PCBs			1.1	NA
THALLIUM		6.3 J		NA

FT-MW-07-S	08/1994	03/1995	11/1997	01/2008
VOCs				
MANGANESE	524	907	NA	NA

FT-MW-06-S	08/1994	03/1995	06/1997	01/2008
VOCs				
MANGANESE	1100 J	808	NA	NA

FT-MW-05-I	08/1994	03/1995	06/1997	11/1997	01/2008
VOCs					
MANGANESE	3490 J	1340	NA	NA	NA

FT-MW-06-I	08/1994	03/1995	06/1997	06/1997 DUP	01/2008
VOCs					
SVOCs					NA
METALS					NA
PCBs					NA



LEGEND

J, JN	ESTIMATED
TAL	TARGET ANALYTE LIST INORGANICS
TCL	TARGET COMPOUND LIST ORGANICS
NA	NOT ANALYZED
⊕	MONITORING WELL
—·—	PROPERTY LINE

NOTES

SAMPLE RESULTS FOR ORGANICS AND INORGANICS ARE REPORTED AS ug/L.

AUGUST 1994/MARCH 1995 SAMPLES WERE ANALYZED FOR TCL ORGANICS AND TAL METALS.

JUNE/NOVEMBER 1997 SAMPLES WERE ANALYZED FOR TCL VOCs.

JANUARY 2008 SAMPLES WERE ANALYZED FOR TCL VOCs.

A BLANK RESULT INDICATES PARAMETER WAS NOT DETECTED ABOVE POTENTIAL CRITERIA.

0 300 600
SCALE IN FEET

TETRA TECH NUS, INC.

GROUNDWATER SAMPLE RESULTS
SITE 2 – FIRE TRAINING AREA
NWIRP, CALVERTON, NEW YORK

FILE	SCALE
112G00902GM02	AS NOTED
FIGURE NUMBER: FIGURE 4-1	REV 0 / DATE 05/19/08

Figure 4-2
Concentrations of Chlorinated VOCs
in Monitoring Well FT-MW02S
Site 2 - Fire Training Area
NWIRP Calverton, New York

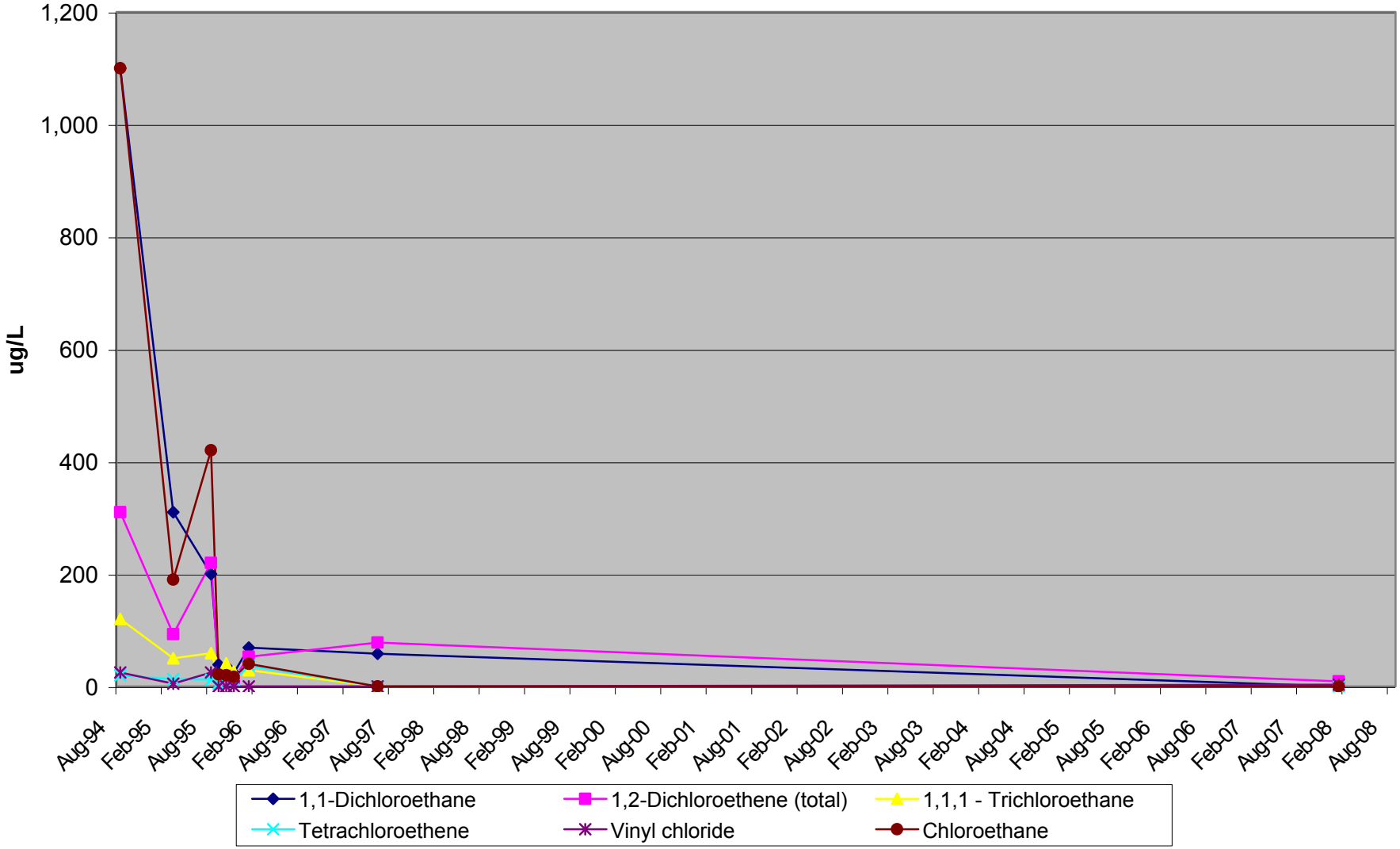


Figure 4-3
Concentration of Petroleum Related VOCs
in Monitoring Well FT-MW02S
Site 2 - Fire Training Area
NWIRP Calverton, New York

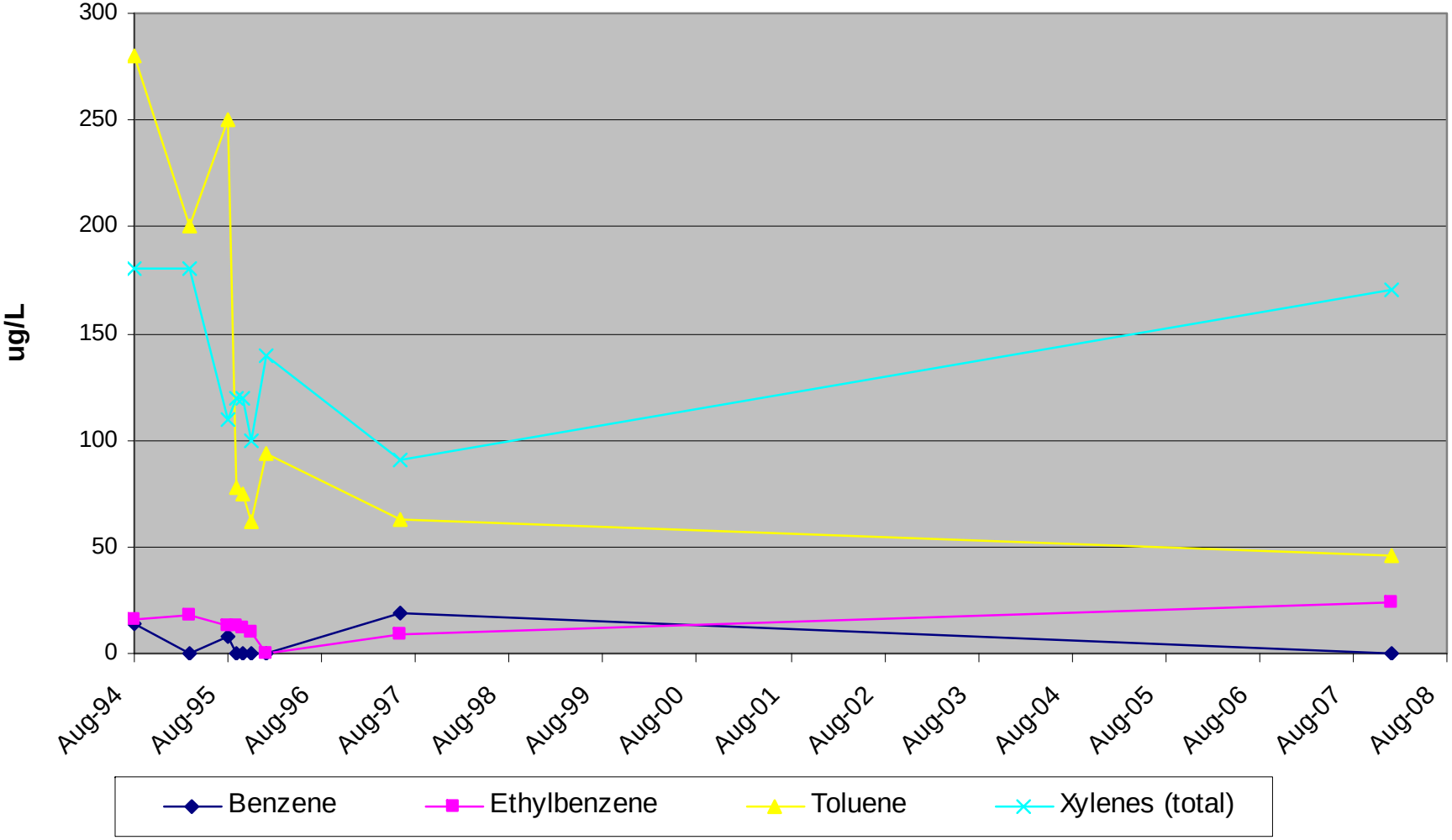


Figure 4-4
Concentrations of Chlorinated VOCs
in Monitoring Well FT-MW08I
Site 2 - Fire Training Area
NWIRP Calverton, New York

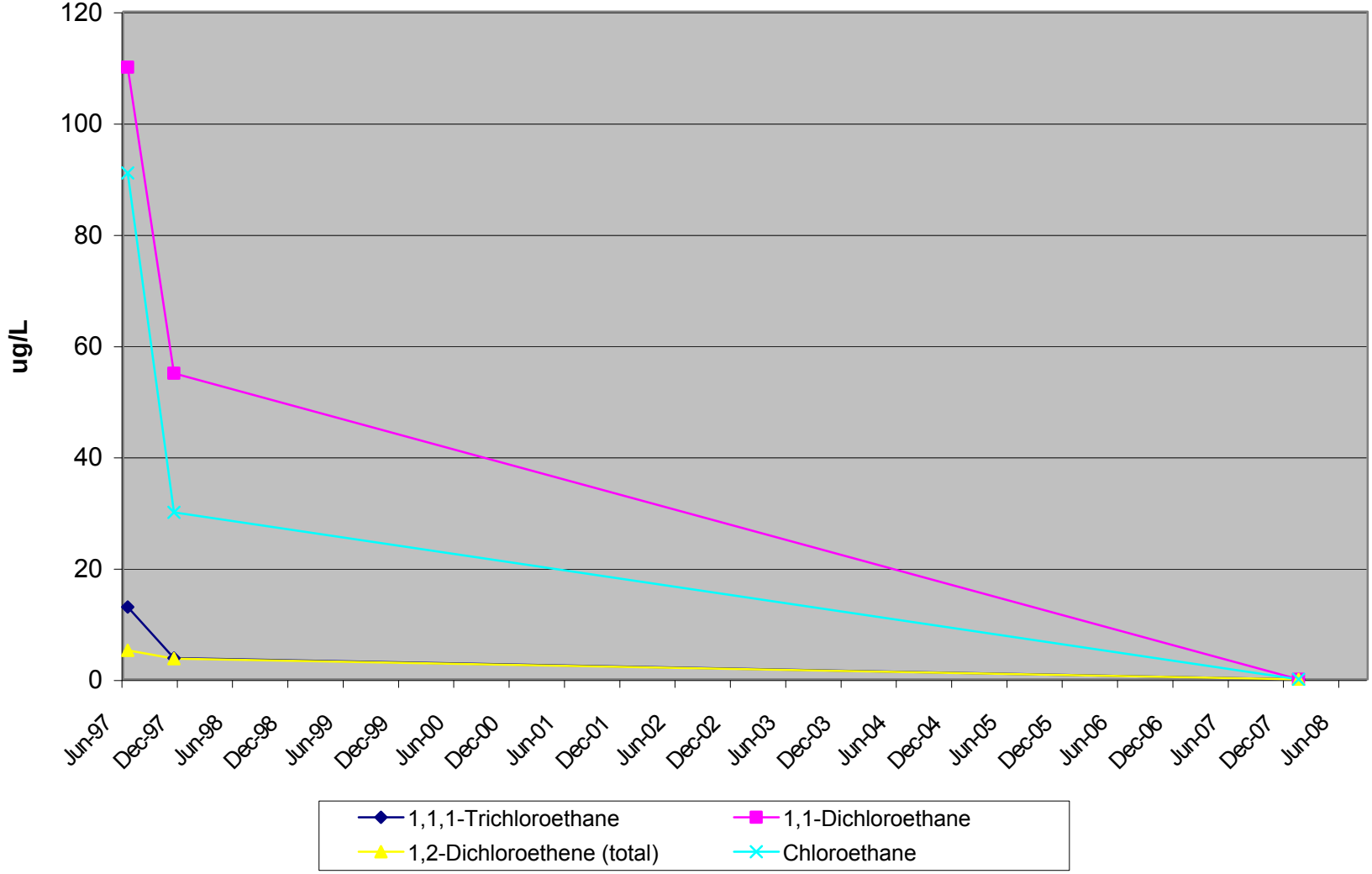
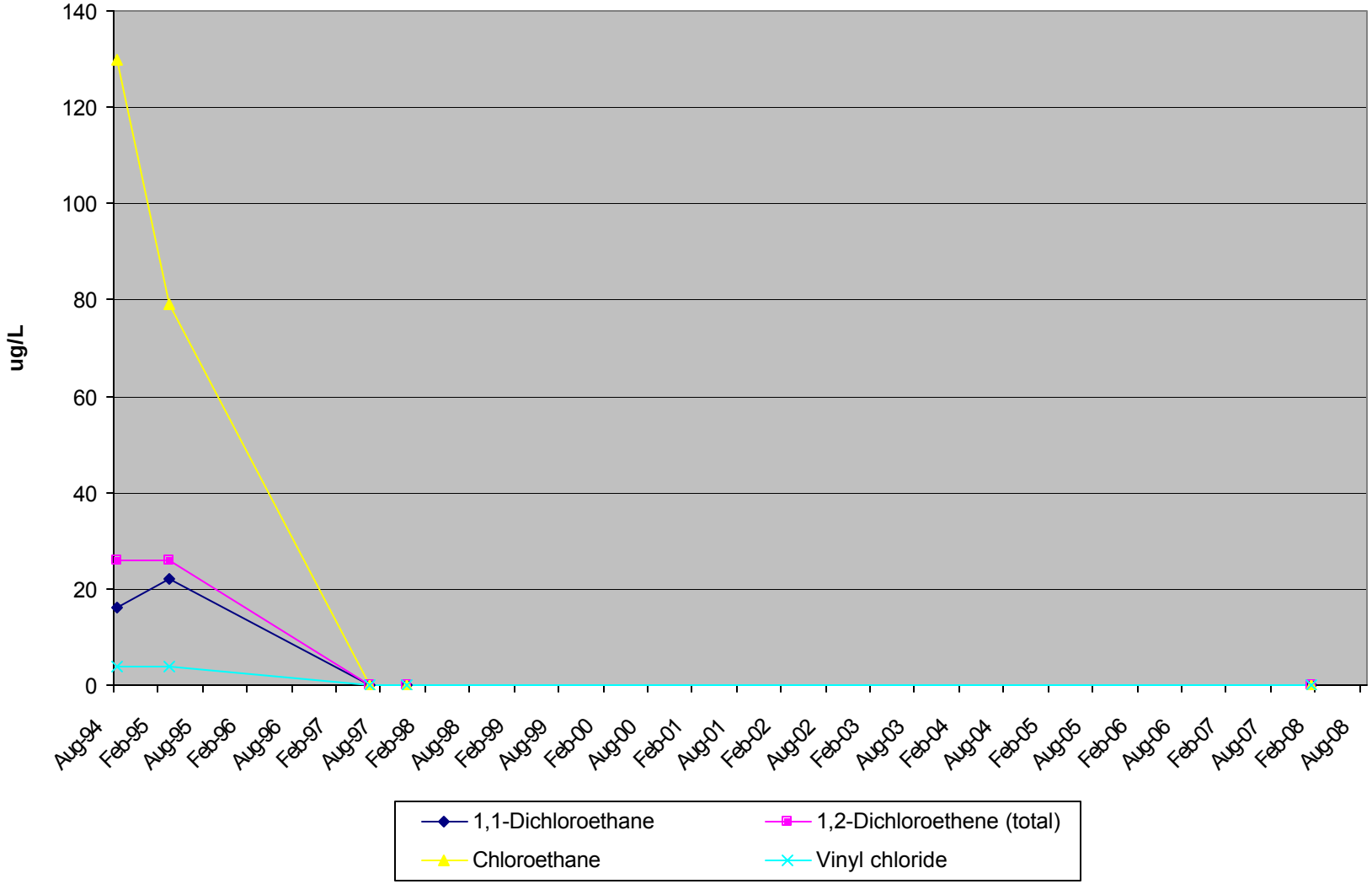


Figure 4-5
Concentrations of Chlorinated VOCs
in Monitoring Well FT-MW05S
Site 2 - Fire Training Area
NWIRP Calverton, New York



APPENDIX A

LOW FLOW PURGE DATA and
GROUNDWATER SAMPLE LOG SHEETS

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-01S-2008-0110
Sample Location: MW-01S
Sampled By: SJC
C.O.C. No.: 0444
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/10/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 0920	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA (PPT)
Method: 2" REDI-FLOW	CLEAR	4.24	.211	12.18	0.58	9.62	300.5	0.14

PURGE DATA:

Date: 1/10/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" REDI FLOW								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4" Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 28.5								
Static Water Level (WL): 23.67								
One Casing Volume(gal/L) ~~25.1~~	~12.4							
Start Purge (hrs): 0815								
End Purge (hrs): 0915								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	✓ (3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	
—	—	SJ Conti

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: MW-01S
DATE: 1/10/08

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)
0815	23.67	~500	—	—	—	—	—	—	—	CLEAR 111 Hz
0825	23.68	500/5L	4.23	.221	0.86	9.75	12.33	0.14	226.2	" 110 "
0835	23.68	500/10L	4.23	.219	0.86	9.62	12.38	0.14	248.3	" 109 "
0845	23.68	500/15L	4.24	.210	0.78	9.58	11.78	0.13	261.1	" "
0855	23.68	500/20L	4.24	.220	0.62	9.54	12.74	0.13	267.7	" "
0905	23.68	500/25L	4.23	.217	0.60	9.68	12.21	0.14	289.5	" "
0915	23.68	500/30L	4.24	.210	0.58	9.62	12.18	0.14	300.5	" "
	DONE @	0915								
	SAMPLE @	0920								

SIGNATURE(S): SJ Conte

PAGE 2 **OF** 2

A-2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-01I-20090110
Sample Location: FT-MW-01I
Sampled By: T. ROJAHN
C.O.C. No.: 0444
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-10-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 0920	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL ~~NA~~ ppt
Method: SUB PUMP	CLEAR	5.76	0.039	11.44	3.50	10.76	147.7	0.02

PURGE DATA:

Date: 1-10-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): NA								
Well Casing Diameter & Material								
Type: 4" Φ PVC ~~PVC~~ (STEEL)			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 78.0								
Static Water Level (WL): 23.38								
One ~~Casing~~ SAT. SCREEN Volume(gal/L): ~25								
Start Purge (hrs): 0915								
End Purge (hrs): 0915								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:		Signature(s):
MS/MSD	Duplicate ID No.:	Terry Rojahn
—	—	

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: FT-MW-01I
DATE: 1-10-08

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)
0815	23.38	0	–	–	–	–	–	–	–	START PURGE
0825	23.40	500	6.25	0.039	6.75	10.97	11.06	0.02	88.8	5L CLEAR
0835	23.40	500	5.99	0.039	5.52	10.90	11.29	0.02	114.1	10 "
0845	23.40	500	5.84	0.039	4.64	10.92	11.28	0.02	131.4	15 "
0855	23.40	500	5.79	0.039	5.69	10.80	11.36	0.02	138.9	20 "
0905	23.40	500	5.77	0.039	4.96	10.78	11.39	0.02	144.3	25 "
0915	23.40	500	5.76	0.039	3.50	10.76	11.44	0.02	147.7	30 "
0920	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-025 20080110
Sample Location: FT-MW-025
Sampled By: T. ROJAHN
C.O.C. No.: 0444
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: 1-10-08								
Time: 1445								
Method: Peristaltic	CLEAR	5.88	0.189	13.07	7.90	0.57	-145	0.12

PURGE DATA:

Date: 1-10-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): 35.5								
Well Casing Diameter & Material								
Type: 4" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 20.5								
Static Water Level (WL): 15.47								
One Casing Volume(gal/L) 12.4								
Start Purge (hrs): 13:40								
End Purge (hrs): 14:40								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L) 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

HYDROCARBON ODOR
REDUCE FLOW to sample

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: 112G00902, SITE 2

WELL ID.: FT-MW-02S
DATE: 1-10-08

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)
13:40	15.47	0	—	—	—	—	—	—	—	START PURGE
13:50	15.49	500	5.79	0.188	12.6	3.38	13.03	0.12	-105	5L CLEAR
14:00	15.49	500	5.83	0.190	11.4	1.03	13.04	0.12	-119	10L "
14:10	15.49	500	5.86	0.190	10.52	0.77	13.06	0.12	-133	15L "
14:20	15.49	500	5.87	0.189	9.67	0.70	13.06	0.12	-137	20L "
14:30	15.50	500	5.88	0.189	10.33	0.62	13.06	0.12	-142	25L "
14:35	15.50	500	5.89	0.189	9.74	0.60	13.06	0.12	-144	27.5 "
14:40	15.50	500	5.88	0.189	7.90	0.57	13.07	0.12	-145	30 "
14:45	—	—	—	—	—	—	—	—	—	START SAMPLING

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-02I20090110
Sample Location: FT-MW-02I
Sampled By: TR / SC
C.O.C. No.: 0444
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-10-08	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL ~~NA~~
Time: 16:29								
Method: Peristaltic	CLEAR	6.14	0.044	11.16	1.51	9.49	19.1	0.03

PURGE DATA:

Date: 1-10-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): 0.0								
Well Casing Diameter & Material								
Type: 4" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 80.0								
Static Water Level (WL): 15.37								
One ~~Casing~~ SAT SCREEN Volume(gal/L): ~25								
Start Purge (hrs): 15:19								
End Purge (hrs): 15:24								
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	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

HYDROCARBON ODOR

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: 112G00902, SITE 2

WELL ID.: FT-MW/- 02 I
DATE: 1-10-08

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)
15:19	15.37	0	–	–	–	–	–	–	–	START PURGE
15:29	15.38	500	5.96	0.039	1.86	9.09	11.33	0.02	-15.3	5L CLEAR
15:39	15.38	500	5.92	0.039	2.06	10.28	11.32	0.02	-6.0	10 "
15:49	15.38	500	5.95	0.040	1.83	10.15	11.24	0.02	3.0	15 "
15:59	15.38	500	6.01	0.041	1.21	9.96	11.23	0.03	7.9	20 "
16:09	15.38	500	6.11	0.043	1.95	9.71	11.18	0.03	11.2	25 "
16:19	15.38	500	6.14	0.043	1.08	9.56	11.12	0.03	17.8	30 "
16:24	15.38	500	6.14	0.044	1.51	9.49	11.16	0.03	19.1	32.5 "
16:29	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): [illegible]

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-0320 08-0109
Sample Location: MW-03
Sampled By: SJC/TR
C.O.C. No.: 0443
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: 1/9/08								
Time: 1135								
Method: 2" REDI-FLO	CLEAR	5.62	.033	12.90	.85	10.07	195.6	.02

PURGE DATA:

Date: 1/9/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" REDI-FLO								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 31.5								
Static Water Level (WL): 26.48								
One Casing Volume(gal/L) ~~3.5~~ ~13L								
Start Purge (hrs): 1030								
End Purge (hrs): 1130								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(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: 112G00902, SITE 2

WELL ID.: MW-03
DATE: 1-9-08

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)
1030	26.48	500±	—	—	—	—	—	—	—	CLEAR
1040	26.48	500/5L	5.56	.034	1.24	10.19	13.20	0.02	178.3	" 114.4 Hz
1050	26.48	" /10L	5.58	.033	.83	9.95	13.63	0.02	179.7	" 115.7
1100	26.49	" /15L	5.65	.034	.23	9.63	14.21	0.02	181.1	" 125
1110	26.49	" /20L	5.62	.033	.75	10.24	12.82	0.02	189.9	" 125
1120	26.49	" /25L	5.61	.033	.96	10.17	12.78	0.02	193.0	" "
1130	26.50	" /30L	5.62	.033	.85	10.07	12.90	0.02	195.6	" "
	DONE @	1130								
	SAMPLE @	1135								

SIGNATURE(S): SJ Conti

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-04-2008-0109
Sample Location: MW-04
Sampled By: SJC/TR
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/9/08	Color Visual	pH Standard	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/l	ORP mV	Other NA (PPT)
Time: 1425								
Method: 2" REDI FLO SUB	CLEAR	4.29	.105	12.22	0.57	6.55	286.5	.07

PURGE DATA:

Date: 1/9/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" REDI FLOSUB								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 27.0								
Static Water Level (WL): 21.11								
One Casing Volume(gal/L): ~~25±~~ ~15L								
Start Purge (hrs): 1320								
End Purge (hrs): 1420								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

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: 112G00902, SITE 2

WELL ID.: MW-04
DATE: 1/9/08

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)
1320	21.11	~500	—	—	—	—	—	—.06	—	CLEAR
1330	21.11	500/5L	4.36	.093	1.29	7.17	12.22	~~230.4~~	231.0	"
1340	21.11	" /10L	4.31	.099	0.55	6.32	12.34	~~250.6~~	250.6	"
1350	21.11	" /15L	4.30	.103	0.55	6.44	12.28	.07	265.1	"
1400	21.11	" /20L	4.29	.103	0.31	6.48	12.44	.06	274.6	" 104.4 HZ
1410	21.11	" /25L	4.29	.105	0.41	6.55	12.43	.07	280.8	" "
1420	21.11	" /30L	4.29	.105	0.57	6.55	12.43	.07	286.5	" "
	DONE @	1420								
	SAMPLE @	1425								

SIGNATURE(S): SJ Conti

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-05I-2008
Sample Location: FT-MW-05I
Sampled By: T. ROJAHN
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-08-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other SAL ppt ~~NA~~
Time: 1230	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	
Method: SUB. PUMP	CLEAR	5.74	0.047	12.23	0.25	8.72	131.2	0.03

PURGE DATA:

Date: 1-08-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): NA								
Well Casing Diameter & Material								
Type: 2" Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 80.0								
Static Water Level (WL): 12.30								
One SAT SCREEN Casing Volume(gal/L): ~25								
Start Purge (hrs): 1125								
End Purge (hrs): 1225								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	(TR) 2 (~~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: 112G00902, SITE 2

WELL ID.: FT-MW-05I
DATE: 1-08-08

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)
1125	12.30	0	–	–	–	–	–	–	–	START PURGE
1135	12.33	500	5.71	0.047	2.04	4.81	11.95	0.03	85.6	5000 CLEAR
1145	12.33	500	5.72	0.047	1.53	8.55	12.07	0.03	99.8	10000 "
1155	12.33	500	5.71	0.047	1.04	8.69	12.13	0.03	112.4	15000 "
1205	12.33	500	5.72	0.047	0.63	8.71	12.11	0.03	122.7	20000 "
1215	12.33	500	5.75	0.047	0.18	8.82	12.22	0.03	128.3	25000 "
1225	12.33	500	5.74	0.047	0.25	8.72	12.23	0.03	131.2	30000 "
1230	–	–	–	–	–	–	–	–	–	SAMPLE TIME

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SIGNATURE(S): [signature]

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Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-055-2008
Sample Location: MW-055
Sampled By: SJC
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/8/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1235	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA PPT
Method: REDI FLO 2" SUB	CLEAR	4.50	.058	13.21	1.83	1.20	-9.4	0.03

PURGE DATA:

Date: 1/8/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: REDI-FLO 2" SUB								
Monitor Reading (ppm):								
Well Casing Diameter & Material								
Type: 4" Φ PVC.			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 18.0								
Static Water Level (WL): 11.87								
One Casing Volume(gal/L): ~~25~~ 17L								
Start Purge (hrs): 1130								
End Purge (hrs): 1230								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

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: 112G00902, SITE 2

WELL ID.: MW-055
DATE: 1-8-08

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)
1130	11.87	500	—	—	—	—	—	—	—	CLEAR
1140	11.88	500/ 5L	4.46	.056	3.18	2.48	12.71	0.03	92.1	76.40 "
1150	11.88	" / 10L	4.47	.056	2.01	1.92	12.78	0.03	39.9	" "
1200	11.88	" / 15L	4.47	.057	1.82	1.72	13.33	0.03	22.8	" "
1210	11.88	" / 20L	4.47	.057	2.02	1.52	13.28	0.03	13.1	" "
1220	11.88	" / 25L	4.48	.057	1.85	1.35	13.32	0.03	2.0	" "
1230	11.88	" / 30L	4.50	.058	1.83	1.20	13.21	0.03	-9.4	" "
	DONE @	1230								
	SAMPLE	1235								

SIGNATURE(S): SJ Conti

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Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-06I-2008
Sample Location: MW-06I
Sampled By: SJC
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/8/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1625	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA (PPT)
Method: 2" REDI FLO SUB	CLEAR	5.63	.047	11.58	1.51	8.06	117.6	0.03

PURGE DATA:

Date: 1/8/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" REDI FLO SUB								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 75.5								
Static Water Level (WL): 22.50								
One ~~Casing~~ SCRT SCREEN Volume(gal/L): ~35								
Start Purge (hrs): 1520								
End Purge (hrs): 1620								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(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: 112G00902, SITE 2

WELL ID.: MW-06I
DATE: 1/8/08

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)
1520	22.50	~500	—	—	—	—	—	—	—	111.2 Hz
1530	22.50	500/5L	5.48	.044	2.01	9.51	11.52	0.03	101.2	105.1 "
1540	22.50	" /10L	5.51	.045	1.12	8.97	11.54	0.03	112.5	105.3 "
1550	22.50	" /15L	5.55	.045	1.58	8.96	11.58	0.03	116.6	" "
1600	22.50	" /20L	5.57	.046	1.17	8.94	11.59	0.03	116.5	" "
1610	22.50	" /25L	5.61	.046	1.26	9.04	11.58	0.03	117.7	" "
1620	22.50	" /30L	5.63	.047	1.51	9.06	11.58	0.03	117.6	" "
	DONE @	1620								
	SAMPLE @	1625								

SIGNATURE(S): DJ Conte

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-06S-2008
Sample Location: FT-MW-06S
Sampled By: T. RUAHN
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-08-08	Visual	Standard	mS/cm	^{0}C	NTU	mg/l	mV	SAL ppt
Time: 1625								NA
Method: SUB. PUMP	CLEAR	4.64	0.053	13.61	1.37	6.45	202.8	0.03

PURGE DATA:

Date: 1-08-08	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): 27.5								
Static Water Level (WL): 21.45								
One ~~Casing~~ SAT SCREEN Volume(gal/L): ~~2.5~~	15L							
Start Purge (hrs): 1520								
End Purge (hrs): 1620								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	TR (2) ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Terry Rozak

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: FT-MW1-06S
DATE: 01-08-08

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)
15:20	21.45	0	–	–	–	–	–	–	–	Start Purge
15:30	21.49	500	4.67	0.051	9.79	5.51	13.39	0.03	181.7	5000 CLEAR
15:40	21.49	500	4.63	0.052	6.24	5.93	13.43	0.03	190.7	10,000 "
15:50	21.49	500	4.63	0.052	3.03	6.13	13.40	0.03	197.6	15,000 "
16:00	21.49	500	4.64	0.053	2.59	6.35	13.46	0.03	197.4	20,000 "
16:10	21.49	500	4.64	0.052	1.83	6.38	13.55	0.03	199.3	25,000 "
16:20	21.49	500	4.64	0.053	1.37	6.45	13.61	0.03	202.8	30,000 "
16:25	—	—	—	—	—	—	—	—	—	Sample Time

H2103

SIGNATURE(S): Terry Rogers

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Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-07S-2008-0109
Sample Location: MW-07S
Sampled By: SJC/TR
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-9-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA (PPT)
Time: 0920								
Method: 2" REDI FLO	CLEAR	4.59	.039	13.07	0.00	10.31	249.3	0.02

PURGE DATA:

Date: 1-9-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" REDI FLO								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 35.5								
Static Water Level (WL): 30.39								
One Casing Volume(gal/L): ~~25~~	~13L							
Start Purge (hrs): 0805								
End Purge (hrs): 0915								
Total Purge Time (min): 70								
Total Vol. Purged (gal/L): 35								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	9+3 (3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	6+2 2 ~~(2)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

Circle if Applicable:
MS/MSD
Duplicate ID No.: FD-010908-1

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: MW-07S
DATE: 1-9-08

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)
0805	30.39	500	—	—	—	—	—	—	—	CLEAR - 122 HZ
0815	30.39	500/5L	4.57	.038	0.63	10.39	13.00	0.02	195.6	" "
0825	30.39	" /10L	4.56	.039	0.24	10.34	13.36	0.02	209.4	" 123.4 HZ
0835	30.39	" /15L	4.53	.039	0.29	10.38	13.00	0.02	223.4	" "
0845	30.39	" /20L	4.55	.039	0.26	10.14	13.29	0.02	230.6	" 123.0 HZ
0855	30.39	" /25L	4.55	.039	0.29	10.41	13.18	0.02	238.7	" 123.2 "
0905	30.39	" /30L	4.54	.039	0.99	10.37	12.97	0.02	244.3	" "
0915	30.39	" /35L	4.54	.039	0.00	10.31	13.07	0.02	249.3	" "
	DUP @	0915								
	SAMPLE @	0920								

SIGNATURE(S): SJ Conti

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-08I-2008 0108
Sample Location: MW-08I
Sampled By: SJC
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/8/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1015	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL NA PPT
Method: 2" SUB PUMP	CLEAR	5.47	.130	12.43	0.97	4.50	50.90	0.08

PURGE DATA:

Date: 1/8/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: 2" SUB PUMP								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"ϕ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 33.0								
Static Water Level (WL): 8.40								
One ~~Casing~~ SAT SCREEN Volume(gal/L): 25								
Start Purge (hrs): 0910								
End Purge (hrs): 1010								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 30								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

1 SCREEN VOL= 25 L±

Circle if Applicable:

MS/MSD —

Duplicate ID No.: —

Signature(s): SJ Conta

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: MW-08I
DATE: 1-8-08

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)
0910	8.40	—	—	—	—	—	—	—	—	
0920	8.40	500	5.46	.129	3.73	5.50	12.31	0.08	43.1	63.90 HL CLEAR
0930	8.40	500/10L	5.46	.129	5.51	5.12	12.28	0.08	47.4	63.80 " "
0940	8.40	500/15L	5.45	.129	2.66	4.91	12.33	0.08	53.2	" " " "
0950	8.40	500/20L	5.44	.130	1.85	4.80	12.34	0.08	55.9	" " " "
1000	8.40	500/25L	5.46	.129	1.56	4.66	12.38	0.08	53.4	" " " "
1010	8.40	500/30L	5.47	.130	0.97	4.50	12.43	0.08	50.9	" " " "
	DONE @ 1010									
	SAMPLE @	1015 HRS		— VOCS						
				— MEE						

SIGNATURE(S): SJ Conti

N 40°54.356'
W 072°47.959'

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-MW-085-20080108
Sample Location: FT-MW-085
Sampled By: T. ROJAHN
C.O.C. No.: 0443
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Date: 1-08-08	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL ppt ~~NA~~
Time: 1020								
Method: SAME	CLEAR	5.43	0.080	12.15	0.17	0.43	-14.5	0.05

PURGE DATA:

	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Date: 1-08-08								
Method: Sub. Pump								
Monitor Reading (ppm): —								
Well Casing Diameter & Material								
Type: 4"Ø PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 16.30								
Static Water Level (WL): 8.31								
One Casing Volume(gal/L): 19.8								
Start Purge (hrs): 0910								
End Purge (hrs): 1015								
Total Purge Time (min): 65								
Total Vol. Purged (gal/L): 46.5								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	TR 2 (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: 112G00902, SITE 2

WELL ID.: FT-MW-08S
DATE: 1-08-08

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)	
9:10	8.31	0	–	–	–	–	–	–	–	Start PURGE	
9:20	8.31	400	4.92	0.066	2.54	3.34	11.40	0.04	57.2	4,000 ml CLEAR	57 HZ
9:30	8.31	1000	5.17	0.070	1.08	0.62	11.39	0.04	28.1	14,000 CLEAR	61 HZ
9:40	8.31	500	5.24	0.072	0.72	0.58	11.56	0.05	17.1	29,000 CLEAR	59 HZ
9:50	8.31	500	5.29	0.073	0.54	0.53	11.61	0.05	6.8	34,000 CLEAR	"
10:00	8.31	500	5.42	0.078	0.56	0.47	11.98	0.05	-9.8	39,000 CLEAR	"
10:10	8.31	500	5.43	0.080	0.26	0.45	12.17	0.05	-13.3	44,000 CLEAR	"
10:15	8.31	500	5.43	0.080	0.17	0.43	12.15	0.05	-14.5	46,500 CLEAR	"
10:20	–	–	–	–	–	–	–	–	–	SAMPLE TIME	

SIGNATURE(S): [illegible]

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-PZT1 20080110
Sample Location: FT-PZT1
Sampled By: T. ROJAHN
C.O.C. No.: 0444
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1-10-08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other SAL ppt ~~NA~~
Time: 1150	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	
Method: PERISTALTIC	CLEAR	5.92	0.212	12.64	4.14	0.65	-129	0.13

PURGE DATA:

Date: 1-10-08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: SAME								
Monitor Reading (ppm): 0.0								
Well Casing Diameter & Material								
Type: 2" Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 21.15								
Static Water Level (WL): 15.10								
One Casing Volume(gal/L): 3.7								
Start Purge (hrs): 1100								
End Purge (hrs): 1145								
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 12								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

HYDROCARBON ODOR

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	—

Signature(s): Troy Nagel

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: FT-PZT1
DATE: 1-10-08

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)
11:00	15.10	0	–	–	–	–	–	–	–	START PURGE
11:10	15.11	500	5.88	0.210	5.51	2.11	12.71	0.13	-99.0	5 L CLEAR
11:20	15.11	200	5.91	0.211	4.68	1.04	12.60	0.13	-109	7 "
11:30	15.11	200	5.90	0.211	4.24	0.79	12.60	0.13	-118	9 "
11:40	15.11	200	5.91	0.210	4.16	0.66	12.64	0.13	-129	11 "
11:45	15.11	200	5.92	0.212	4.14	0.65	12.64	0.13	-129	12 "
11:50	–	–	–	–	–	–	–	–	–	SAMPLE TIME

SIGNATURE(S): [signature]

HYDROCARBON ODOR

PAGE 2 OF 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-PZT2-2008-0110
Sample Location: PZ-T2
Sampled By: SJC
C.O.C. No.: 0444
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

Date: 1/10/08	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	Other
Time: 1150	Visual	Standard	mS/cm	°C	NTU	mg/l	mV	SAL (PPT)
Method: PERISTALTIC	CLEAR	5.99	.251	12.69	3.75	.79	-207.0	0.16

PURGE DATA:

Date: 1/10/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): 0.0								
Well Casing Diameter & Material								
Type: 2" ϕ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 21.3								
Static Water Level (WL): 15.57								
One Casing Volume(gal/L): 6.2	*							
Start Purge (hrs): 1100								
End Purge (hrs): 1150								
Total Purge Time (min): 50								
Total Vol. Purged (gal/L): 14 L								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	6 ~~3~~ (3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	4 ~~2~~ (2) 40ml Vails	✓
		(DUP HERE)	

OBSERVATIONS / NOTES:

SLIGHT PRODUCT THIS WELL ≈0.07' PRODUCT 21.3 TD From T PVC
" ODOR

* USED 10' SCREEN AS WELL VOL, BUT ACTUAL WELL VOL IS LESS DUE TO ~~WATER~~ WATER LEVEL BELOW TOP OF IN SCREEN.

Circle if Applicable:

MS/MSD	Duplicate ID No.:
—	FD-011008-01

Signature(s): SJ Conte

Tetra Tech NUS, Inc.

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: NWIRP CALVERTON
PROJECT NUMBER: 112G00902, SITE 2

WELL ID.: PZ-T2
DATE: 1-10-08

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)
1100	* 15.52	500	—	—	—	—	—	—	—	CLEAR
1110	15.50/15.57	500 5L	5.91	.244	3.98	1.02	12.79	0.15	-196.7	" ODOR
1120	15.47/15.51	500/8L	5.94	.244	5.46	.88	12.71	0.15	-199.2	" "
1130	—	200/10L	5.97	.249	3.94	.89	12.71	0.16	-197.5	" "
1140	15.47/15.51	200/12L	5.98	.246	3.81	.82	12.67	0.16	-200.3	" "
1150	15.47/15.51	200/14L	5.99	.251	3.75	.79	12.69	0.16	-207.0	" "
1200	—	~~200/16L~~	—	—	—	—	—	—	—	
		DC								
	DONE @ 1150									
	Sampled 1150									
*	FP WL									
	15.50/15.57		SLIGHT	LAYER	OF PRODUCT	THIS	WELL			

SIGNATURE(S): D Conti

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: NWIRP CALVERTON
Project No.: 112G00902, SITE 2

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

Sample ID No.: FT-PZT3-2008-0110
Sample Location: PZ T3
Sampled By: SJC
C.O.C. No.: 0444
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: 1/10/08								
Time: 1440								
Method: PERISTALTIC	CLEAR	6.05	.230	12.78	6.32	.78	-210	0.14

PURGE DATA:

Date: 1/10/08	Volume	pH	S.C.	Temp. (C)	Turbidity	DO	Salinity	Other
Method: PERISTALTIC								
Monitor Reading (ppm): 2.1								
Well Casing Diameter & Material								
Type: 2"Φ PVC			See Low Flow Purge Data Sheets					
Total Well Depth (TD): 21.2±								
Static Water Level (WL): 14.57								
One Casing Volume(gal/L): ~4								
Start Purge (hrs): 1340								
End Purge (hrs): 1440								
Total Purge Time (min): 60								
Total Vol. Purged (gal/L): 12								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	4°C/HCl	(3) 40ml Vails	✓
Methane, ethene & ethane)	4°C/HCl	2 ~~(3)~~ 40ml Vails	✓

OBSERVATIONS / NOTES:

21.20
14.57
6.63' WATER

~4 L/VOL

SLIGHT FUEL ODOR
VERY SLIGHT FILM (SHEEN) ON GW.

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: 112G00902, SITE 2

WELL ID.: PZ T3
DATE: 1/10/08

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)
1340	14.57	200	—	—	—	—	—	—	—	
1350	—	200/2L	6.01	.219	12.1	1.56	12.77	0.14	-184.2	CLEAR-ODOR
1400	14.59	" /4L	6.01	.222	10.36	1.05	12.83	0.14	-195.0	" "
1410	14.59	" /6L	6.02	.226	9.14	.89	12.83	0.14	-201.4	" "
1420	14.59	" /8L	6.03	.230	7.39	.82	12.82	0.14	-204.5	" "
1430	14.59	" /10L	6.04	.231	6.14	.80	12.78	0.14	-207.0	" "
1440	14.59	" /12L	6.05	.230	6.32	.78	12.78	0.14	-210.0	" "
	DONE @ 1440									
	SAMPLE @	1440								

SIGNATURE(S): SJ Conte

PAGE 2 **OF** 2

Tetra Tech NUS, Inc.

GROUNDWATER LEVEL MEASUREMENT SHEET

Project Name: NWIRP Calverton
Project No.: CTO-449
Location: Fire Training Area
Personnel: Vince Shickora
Weather Conditions: clear
Measuring Device: Heron DipperT
Tidally Influenced: Yes ___ No X
Remarks:

Well or Piezometer Number	Date	Time	Elevation of Reference Point (feet)*	Total Well Depth (feet)*	Water Level Indicator Reading (feet)* (TOC)	Thickness of Free Product (feet)*	Groundwater Elevation (feet)*	Comments
FTMW01S	11/28/07	1410			23.72'	NA		4" well
FTMW01I		1413			23.46'	NA		4" well
FTMW03S		1419			26.45'	NA		4" well
FTPZT1		1425			15.25'	0.01'		2" well
FTPZT2		1429			15.70'	0.09'		2" well
FTPZT3		1434			14.80'	0.06'		2" well
FTFW01		1439			15.87'	NA		8" well
FTMW02S		1442			15.88'	0.26'		4" well
FTMW02I		1448			15.52'	0.01'		4" well
FTMW04		1454			21.31'	NA		4" well
FTMW07S		1504			30.39'	NA		4" well
FTMW06S		1510			21.68'	NA		4" well
FTMW06I		1513			22.69'	NA		4" well
FTMW05I		1521			12.61'	NA		4" well
FTMW05S		1524			12.19'	NA		4" well
FTMW08I		1531			8.67'	NA		4" well
FTMW08S		1535			8.60'	NA		4" well

* All measurements to the nearest 0.01 foot

Page ____ of ____

APPENDIX B

CHAIN OF CUSTODY FORMS

TETRA TECH NUS, INC. S80167 | CHAIN OF CUSTODY | NUMBER 0443 | PAGE 1 OF 1

PROJECT NO: 112G00902 CTO 450	FACILITY: NWIRP CALVERTON	PROJECT MANAGER: DAVE BRAYACK	PHONE NUMBER: (757) 461-3824
LABORATORY NAME AND CONTACT: KATAHDIN / A. COLBY			
SAMPLERS (SIGNATURE): SJ Conte, Terry Rogers	FIELD OPERATIONS LEADER: VINCE SHICKORA	PHONE NUMBER: (610) 491-9688	ADDRESS: 600 TECHNOLOGY WAY
CARRIER/WAYBILL NUMBER: FED EX AB #8626 9924 2471			CITY, STATE: SCARBOROUGH, ME 04074

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

See note below RE: LABELS

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 (CONTAINER TYPE PLASTIC (P) or GLASS (G): G; PRESERVATIVE USED: 4°C/HCl)	METHANE, Ethane & Ethane 40ml Vials (CONTAINER TYPE: G; PRESERVATIVE USED: 4°C/HCl)							COMMENTS
1/08	0820	TB-010808-01	QC	-	-	QC	G	2	2								TRIP BLANK
1/08	1015	FT-MW-08I-2008 0108	FT-MW 08I	-	-	GW	G	5	3	2							
1/08	1020	FT-MW-08S-2008 0108	FT-MW 08S	-	-	GW	G	5	3	2							
1/08	1230	FT-MW-05I-2008 0108	FT-MW 05I	-	-	GW	G	5	3	2							
1/08	1235	FT-MW-05S-2008 0108	FT-MW 05S	-	-	GW	G	5	3	2							
1/08	1625	FT-MW-06S-2008 0108	FT-MW 06S	-	-	GW	G	5	3	2							
1/08	1630	FT-MW-06I-2008 0108	FT-MW 06I	-	-	GW	G	5	3	2							
1/09	0920	FT-MW-07-20080109	FT-MW 07	-	-	GW	G	15	9	6							RUN MS/MSD
1/09	1135	FT-MW-03-20080109	FT-MW 03	-	-	GW	G	5	3	2							
1/09	1425	FT-MW-04-20080109	FT-MW 04	-	-	GW	G	5	3	2							
1/09	1450	RB-010908-01	QC	-	-	QC	G	5	3	2							PUMP RINSATE
1/09	0000	FD-010908-01	QC	-	-	GW	G	5	3	2							

1. RELINQUISHED BY: Terry Rogers	DATE: 01-09-08	TIME: 1700	1. RECEIVED BY: FEDERAL EXPRESS	DATE: 01-09-08	TIME: 1700
2. RELINQUISHED BY:	DATE:	TIME:	2. RECEIVED BY: [illegible]	DATE: 1-10-08	TIME: 1020
3. RELINQUISHED BY:	DATE:	TIME:	3. RECEIVED BY:	DATE:	TIME:

COMMENTS: SAMPLE LABELS FOR 01/08 the SAMPLE ID # doesn't contain the last 4 digits (0108).

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

4/02R
FORM NO. TtNUS-001

B-1

8000000

TETRA TECH NUS, INC. SB0228/SB0229 **CHAIN OF CUSTODY** | NUMBER 0444 | PAGE 1 OF 1

PROJECT NO:	CTO	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00902	450	NWIRP CALVERTON	D. BRAYACK	(757) 461-3824	KATAHDIN / A. COLBY
SAMPLERS (SIGNATURE)			FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
SJ Conti / Tony Rizzo			V. SHICKORA	(610) 491-9688	600 TECHNOLOGY WAY
			CARRIER/WAYBILL NUMBER		CITY, STATE
			FED EX AB# 8626 9924 2482		SCARBOROUGH, ME 04074

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

DATE YEAR 2008	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOCS 40ml VIALS	METHANE/ETHENE & ETHANE 40ml VIALS							COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G							
PRESERVATIVE USED									4°C/HCl	4°C/HCl							
TYPE OF ANALYSIS																	
1/10	0730	TB-011008-01	QC	–	–	QC	G	2	2	–							TRIP BLANK
1/10	0920	FT-MW-01S20080110	FT-MW 01S	–	–	GW	G	5	3	2							
1/10	0920	FT-MW-01I20080110	FT-MW 01I	–	–	GW	G	5	3	2							
1/10	1150	FT-PZT120080110	FT-PZT1	–	–	GW	G	5	3	2							
1/10	1150	FT-PZT220080110	FT-PZT2	–	–	GW	G	5	3	2							
1/10	1440	FT-PZT320080110	FT-PZT3	–	–	GW	G	5	3	2							
1/10	1445	FT-MW-02S20080110	FT-MW 02S	–	–	GW	G	5	3	2							
1/10	1629	FT-MW-02I20080110	FT-MW 02I	–	–	GW	G	5	3	2							
1/10	0000	FD-011008-01	QC	–	–	GW	G	5	3	2							
1/11	0730	WB-011108-01	QC	–	–	QC	G	5	3	2							SOURCE WATER BLANK

1. RELINQUISHED BY Tony Rizzo	DATE 1-11-08	TIME 1100	1. RECEIVED BY FEDERAL EXPRESS	DATE 1-11-08	TIME 1100
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY Daphne Stillwell	DATE 1/12/08	TIME 1030
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TtNUS-001

B-2

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APPENDIX C

ANALYTICAL RESULTS – FORM Is

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:21
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-2RA
Client ID: FT-MW-01S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:21
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-2RA
Client ID: FT-MW-01S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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		84%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		94%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 16-JAN-2008 14:24
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-2
Client ID: FT-MW-01S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 14:16
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-3
Client ID: FT-MW-01I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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	0.7	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 14:16
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-3
Client ID: FT-MW-01I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		80%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 16-JAN-2008 14:51
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-3
Client ID: FT-MW-01I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:53
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-7RA
Client ID: FT-MW-02S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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	J	3	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		12	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		17	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene		9	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	9	1.0	10	10	0.3
78-93-3	2-Butanone		6	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	J	1	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	J	0.6	1.0	5	5	0.5
108-87-2	Methylcyclohexane	J	3	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		46	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	3	1.0	5	5	0.4
100-41-4	Ethylbenzene		24	1.0	5	5	0.4
	m+p-Xylenes		120	1.0	10	10	1.0
95-47-6	o-Xylene		47	1.0	5	5	0.4
1330-20-7	Xylenes (total)		170	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 14:53
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-7RA
Client ID: FT-MW-02S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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		8	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		8	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene		21	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		84%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		93%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:06
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-7DL
Client ID: FT-MW-02S20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47520
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		9100	50	10	500	63
74-85-1	Ethene	U	500	50	10	500	36
74-84-0	Ethane	U	500	50	10	500	37

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 16:57
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-8
Client ID: FT-MW-02I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 16:57
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-8
Client ID: FT-MW-02I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		85%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		75%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 16-JAN-2008 16:16
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-8
Client ID: FT-MW-02I20080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	J	8.2	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 17:30
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-9
Client ID: FT-MW-03-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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	J	0.6	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: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 17:30
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-9
Client ID: FT-MW-03-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		86%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		76%				
460-00-4	P-Bromofluorobenzene		73%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 13:16
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-9
Client ID: FT-MW-03-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 18:03
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-10
Client ID: FT-MW-04-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 18:03
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-10
Client ID: FT-MW-04-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		87%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		76%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 13:33
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-10
Client ID: FT-MW-04-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 18:04
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-4
Client ID: FT-MW-05I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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	0.8	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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 18:04
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-4
Client ID: FT-MW-05I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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		90%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 11:51
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-4
Client ID: FT-MW-05I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 15:22
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-5
Client ID: FT-MW-05S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 15:22
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-5
Client ID: FT-MW-05S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		85%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		88%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 12:08
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-5
Client ID: FT-MW-05S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		30	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 16:26
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-7
Client ID: FT-MW-06I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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	0.6	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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 16:26
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-7
Client ID: FT-MW-06I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		85%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		76%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 12:42
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-7
Client ID: FT-MW-06I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 15:54
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-6
Client ID: FT-MW-06S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 15:54
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-6
Client ID: FT-MW-06S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		83%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		72%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 12:25
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-6
Client ID: FT-MW-06S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 16:58
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-8
Client ID: T-MW-07-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 16:58
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-8
Client ID: T-MW-07-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		85%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		71%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 12:59
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-8
Client ID: T-MW-07-20080109
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 18:35
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-12
Client ID: FD-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 18:35
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-12
Client ID: FD-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47493
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		83%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		84%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 14:07
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-12
Client ID: FD-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 17:00
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-2
Client ID: FT-MW-08I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 17:00
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-2
Client ID: FT-MW-08I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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		91%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		82%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 11:16
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-2
Client ID: FT-MW-08I-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 17:32
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-3
Client ID: FT-MW-08S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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	J	0.4	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	0.4	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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 17:32
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-3
Client ID: FT-MW-08S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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	J	0.4	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		88%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		87%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 11:34
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-3
Client ID: FT-MW-08S-20080108
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		960	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 14:48
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-4
Client ID: FT-PZT120080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		20	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		55	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	J	3	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	3	1.0	10	10	0.3
78-93-3	2-Butanone	J	2	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	0.5	1.0	5	5	0.4
1735-17-7	Cyclohexane	J	2	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	4	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		130	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	J	1	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	5	1.0	5	5	0.4
100-41-4	Ethylbenzene		36	1.0	5	5	0.4
	m+p-Xylenes		180	1.0	10	10	1.0
95-47-6	o-Xylene		130	1.0	5	5	0.4
1330-20-7	Xylenes (total)		300	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 14:48
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-4
Client ID: FT-PZT120080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		13	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		14	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene		48	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	0.6	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 17-JAN-2008 12:14
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-4DL
Client ID: FT-PZT120080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47520
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		9800	50	10	500	63
74-85-1	Ethene	U	500	50	10	500	36
74-84-0	Ethane	U	500	50	10	500	37

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:20
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-5
Client ID: FT-PZT220080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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	J	3	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		12	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		8	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	J	3	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	3	1.0	10	10	0.3
78-93-3	2-Butanone	J	4	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	J	1.0	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		23	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	0.6	1.0	5	5	0.4
100-41-4	Ethylbenzene		19	1.0	5	5	0.4
	m+p-Xylenes		93	1.0	10	10	1.0
95-47-6	o-Xylene		44	1.0	5	5	0.4
1330-20-7	Xylenes (total)		140	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:20
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-5
Client ID: FT-PZT220080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		6	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	2	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene		6	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		82%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		78%				
460-00-4	P-Bromofluorobenzene		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 17-JAN-2008 12:31
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-5DL
Client ID: FT-PZT220080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47520
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		8700	50	10	500	63
74-85-1	Ethene	U	500	50	10	500	36
74-84-0	Ethane	U	500	50	10	500	37

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 17:38
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-1
Client ID: FD-011008-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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	J	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		14	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		10	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene	J	3	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)	J	3	1.0	10	10	0.3
78-93-3	2-Butanone	J	4	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	J	1	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		26	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	0.8	1.0	5	5	0.4
100-41-4	Ethylbenzene		18	1.0	5	5	0.4
	m+p-Xylenes		82	1.0	10	10	1.0
95-47-6	o-Xylene		44	1.0	5	5	0.4
1330-20-7	Xylenes (total)		120	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 17:38
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-1
Client ID: FD-011008-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		6	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	3	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene		8	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	0.8	1.0	5	5	0.3
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		81%				
460-00-4	P-Bromofluorobenzene		80%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 17-JAN-2008 13:23
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-1DL
Client ID: FD-011008-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47520
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		8800	50	10	500	63
74-85-1	Ethene	U	500	50	10	500	36
74-84-0	Ethane	U	500	50	10	500	37

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:52
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-6
Client ID: FT-PZT320080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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	J	3	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		7	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		10	1.0	5	5	0.4
156-59-2	cis-1,2-Dichloroethene		13	1.0	5	5	0.3
540-59-0	1,2-Dichloroethylene (total)		13	1.0	10	10	0.3
78-93-3	2-Butanone	J	4	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	J	1	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	3	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		11	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	J	0.6	1.0	5	5	0.5
591-78-6	2-Hexanone	J	1	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	0.4	1.0	5	5	0.4
100-41-4	Ethylbenzene		13	1.0	5	5	0.4
	m+p-Xylenes		68	1.0	10	10	1.0
95-47-6	o-Xylene		52	1.0	5	5	0.4
1330-20-7	Xylenes (total)		120	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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 15:52
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-6
Client ID: FT-PZT320080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		6	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	4	1.0	5	5	0.5
95-50-1	1,2-Dichlorobenzene		11	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		90%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		88%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 17-JAN-2008 12:49
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-6DL
Client ID: FT-PZT320080110
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47520
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane		7800	50	10	500	63
74-85-1	Ethene	U	500	50	10	500	36
74-84-0	Ethane	U	500	50	10	500	37

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 12:10
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-1
Client ID: TB-010808-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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: 01/08/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 12:10
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-1
Client ID: TB-010808-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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		87%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		74%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 12:42
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-11
Client ID: RB-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 15-JAN-2008 12:42
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-11
Client ID: RB-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47434
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		91%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		71%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/09/08
Received Date: 01/10/08
Extraction Date:
Analysis Date: 16-JAN-2008 13:50
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0167-11
Client ID: RB-010908-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	U	10	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 13:11
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-1
Client ID: TB-011008-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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: 01/10/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 21-JAN-2008 13:11
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0228-1
Client ID: TB-011008-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47619
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		82%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		78%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:26
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-2RA
Client ID: WB-011108-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 22-JAN-2008 15:26
Report Date: 01/28/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-2RA
Client ID: WB-011108-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG47648
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		88%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		82%				

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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 449 & 450 NWIRP Calverton
PO No:
Sample Date: 01/11/08
Received Date: 01/12/08
Extraction Date:
Analysis Date: 16-JAN-2008 17:18
Report Date: 01/24/2008
Matrix: WATER
% Solids: NA

Lab ID: SB0229-2
Client ID: WB-011108-01
SDG: CAL-1
Extracted by:
Extraction Method: SW846 3810
Analyst: EKC
Analysis Method: RSK SOP 175
Lab Prep Batch: WG47464
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
74-82-8	Methane	J	5.7	1.0	10	10	1.3
74-85-1	Ethene	U	10	1.0	10	10	0.72
74-84-0	Ethane	U	10	1.0	10	10	0.74

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