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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table 1

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

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

VOCs - Volatile organic compounds.

Table 2

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

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

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

Table 3

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

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

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

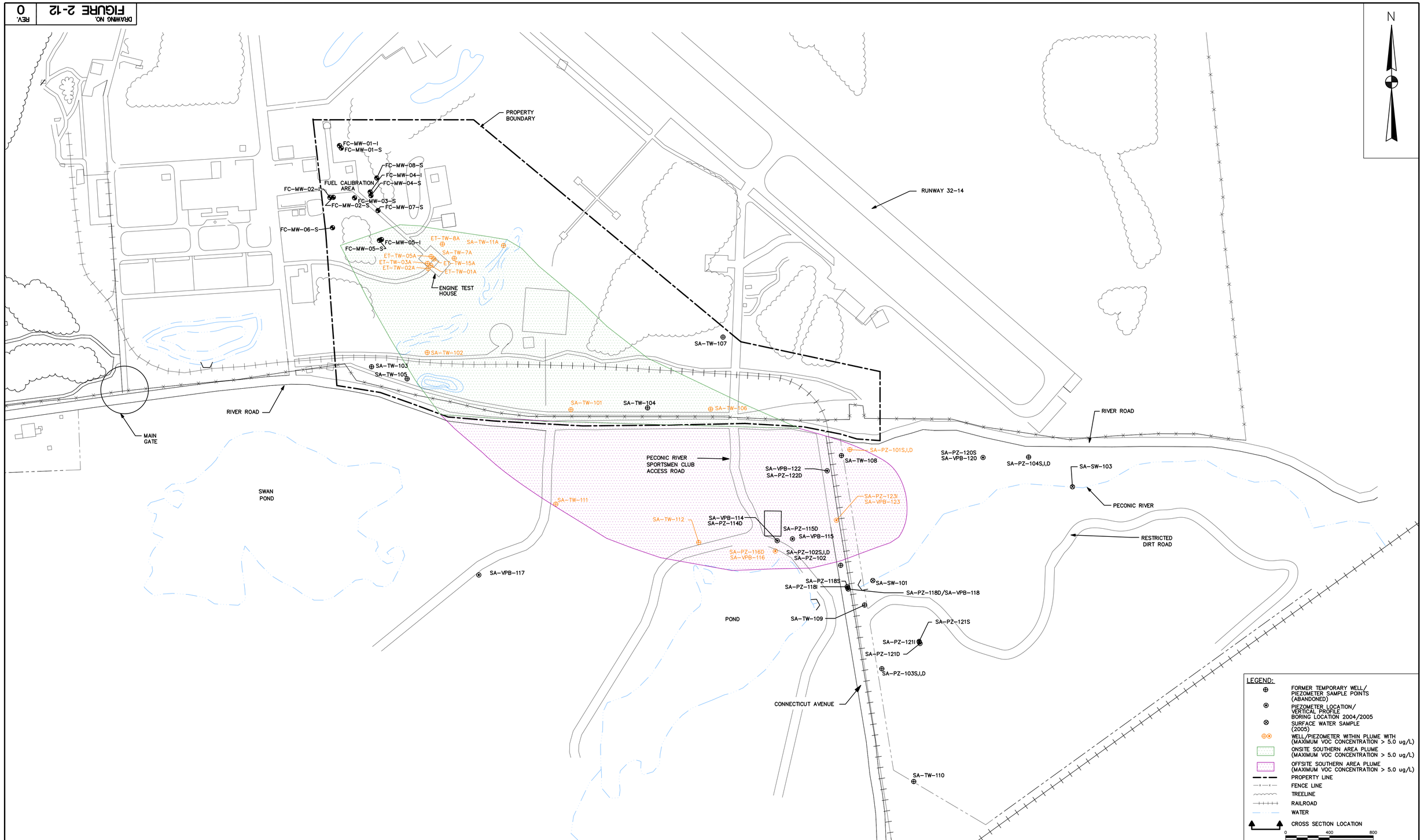
Table 4

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

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

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

DRAWING NO. FIGURE 2-12 REV. 0



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CHECKED BY	DATE		CONTRACT NO. 1610
REVISED BY	DATE		OWNER NO. 0004
SCALE AS NOTED			APPROVED BY / DATE
			DRAWING NO. FIGURE 2-12 / REV. 0

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

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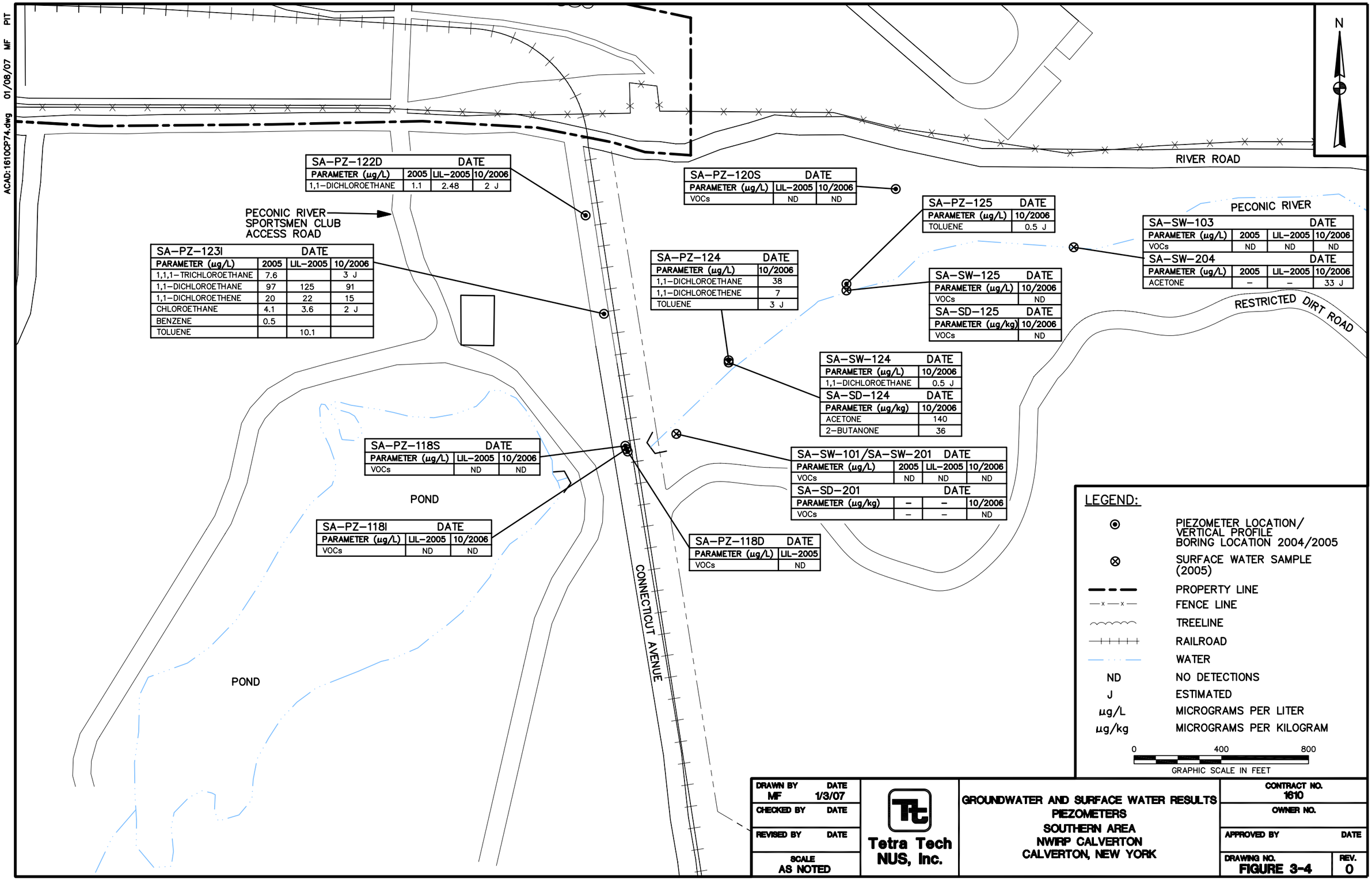


DRAWN BY	DATE
MF	1/3/07
CHECKED BY	DATE
REVISED BY	DATE
SCALE AS NOTED	

Tetra Tech NUS, Inc.

GROUNDWATER AND SURFACE WATER RESULTS
PIEZOMETERS
SOUTHERN AREA
NWIRP CALVERTON
CALVERTON, NEW YORK

CONTRACT NO. 1610
OWNER NO.
APPROVED BY DATE
DRAWING NO. FIGURE 3-4
REV. 0

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

Attachment 1

Photographs

Canoe Launch Point - Connecticut Avenue, Looking East

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

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

SA-PZ-124, Looking Northwest

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

SA-PZ-125, Looking North

Attachment 2

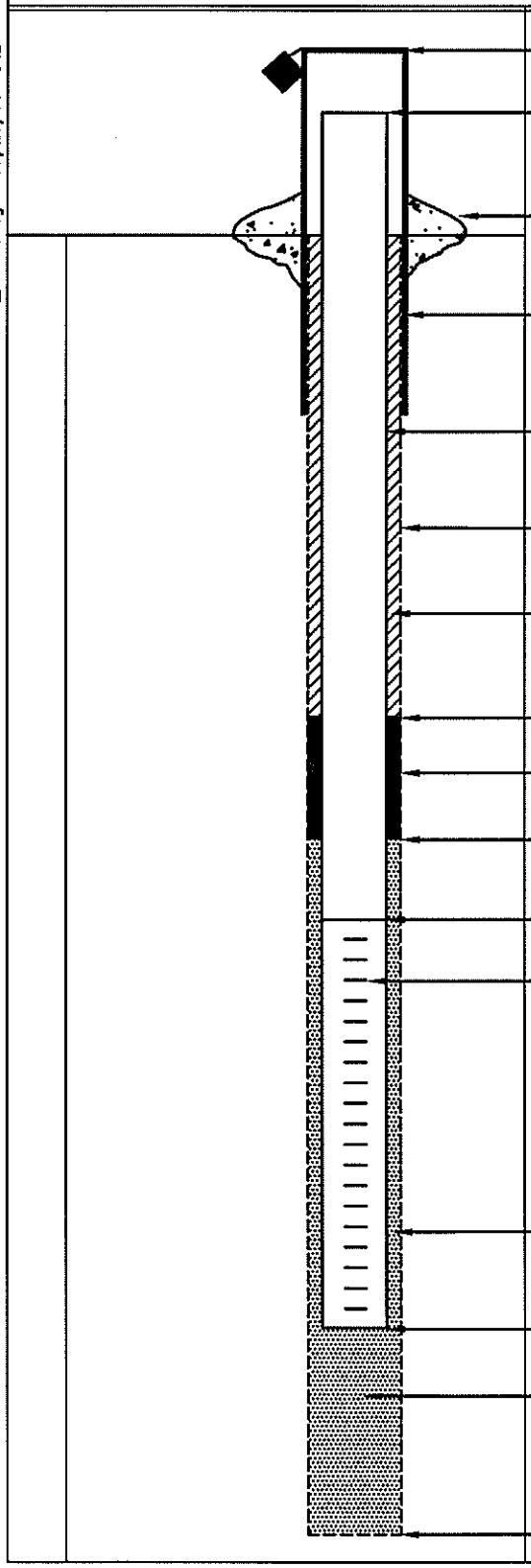
Field Forms

WELL NO.: SA-PZ 124S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NGIRP Calverton	LOCATION	DRILLER
PROJECT NO. 112GN 1610	BORING	DRILLING METHOD Hand Driven
DATE BEGUN 10-10-06	DATE COMPLETED 10-10-06	DEVELOPMENT METHOD
FIELD GEOLOGIST K. Weir		
GROUND ELEVATION	DATUM	



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /

ELEVATION/HEIGHT OF TOP OF RISER PIPE: 12'

TYPE OF SURFACE SEAL:

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

RISER PIPE I.D.: ~~3/4"~~ 1" DWB
TYPE OF RISER PIPE: Stainless Steel

BOREHOLE DIAMETER:

TYPE OF BACKFILL:

ELEVATION/DEPTH TOP OF SEAL: /

TYPE OF SEAL:

DEPTH TOP OF SAND PACK:

ELEVATION/DEPTH TOP OF SCREEN: 13' bgs

TYPE OF SCREEN: Stainless steel

SLOT SIZE x LENGTH: 0.001" x 3'

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

TYPE OF SAND PACK:

ELEVATION/DEPTH BOTTOM OF SCREEN: 16' bgs

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

ELEVATION/DEPTH OF HOLE: /

ACAD:FORM_MWSU.dwg 07/20/99 INL

WELL NO.: SA-PZ 125S

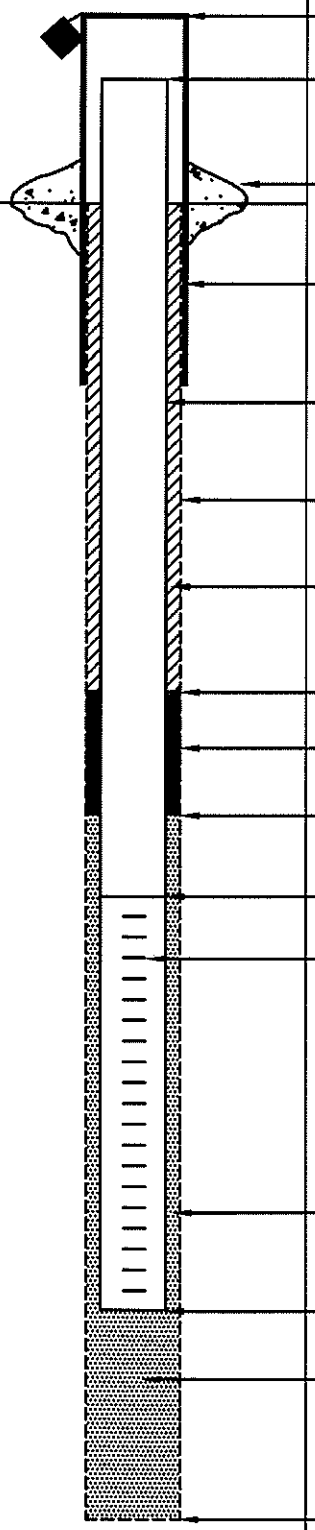
Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET STICK-UP

PROJECT NWIRP Calverton
PROJECT NO. 1126.N1610
DATE BEGUN 10-10-06
FIELD GEOLOGIST K. Weir
GROUND ELEVATION _____

LOCATION _____
BORING _____
DATE COMPLETED 10-10-06
DATUM _____

DRILLER _____
DRILLING METHOD _____
DEVELOPMENT METHOD _____



ELEVATION/HEIGHT OF TOP OF SURFACE CASING: /
ELEVATION/HEIGHT OF TOP OF RISER PIPE: /2'
TYPE OF SURFACE SEAL: _____
I.D. OF SURFACE CASING: _____
TYPE OF SURFACE CASING: _____
RISER PIPE I.D.: ~~3/4"~~ 1" OD
TYPE OF RISER PIPE: Stainless Steel
BOREHOLE DIAMETER: _____
TYPE OF BACKFILL: _____
ELEVATION/DEPTH TOP OF SEAL: /
TYPE OF SEAL: _____
DEPTH TOP OF SAND PACK: _____
ELEVATION/DEPTH TOP OF SCREEN: 13' bgs
TYPE OF SCREEN: Stainless Steel
SLOT SIZE x LENGTH: 0.001" x 3'
I.D. OF SCREEN: ~~3/4"~~ 1" OD
TYPE OF SAND PACK: _____
ELEVATION/DEPTH BOTTOM OF SCREEN: 16' bgs
ELEVATION/DEPTH BOTTOM OF SAND PACK: /
BACKFILL MATERIAL BELOW SAND: _____
ELEVATION/DEPTH OF HOLE: /

ACAD:FORM_MWSU.dwg 07/28/99 INL

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Calverton
Project No.:

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

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

SAMPLING DATA:

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

PURGE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40ml vial	3

OBSERVATIONS / NOTES:

Horiba Cond. meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

WELL ID.: SA-P2-1185
DATE: 10.11.06

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

SIGNATURE(S): [illegible]

PAGE 1 OF 1

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Culverton
Project No.:

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

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

SAMPLING DATA:

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

PURGE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Culverton
PROJECT NUMBER:

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

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
0825	5.53									
0830	5.54	2,000	5.94	0.052	210	7.81	13.10	172	0	
0835	5.54	2,000	6.14	0.052	85	7.45	13.19	127	0	5 gal
0840	5.54	2,000	6.25	0.051	46	8.96	12.99	114	0	
0845	5.54	2,000	6.28	0.052	27	7.41	12.95	113	0	10 gal
0850	5.54	2,000	6.40	0.051	11	6.54	12.75	100	0	
0855	5.54	2,000	6.43	0.051	12	6.48	12.72	100	0	15 gal
0900	5.54	2,000	6.44	0.051	5.5	6.43	12.71	100	0	
0905	Sample									

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Project Site Name: Calverton
Project No.:

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

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

SAMPLING DATA:

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

PURGE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

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

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
1410	6.23	350	5.57	0.09	>1200	9.43	16.87	239	—	Brown
1415	6.23	325	5.87	0.09	>120	9.54	16.41	233	—	"
1420	6.24	325	5.85	0.08	230	9.16	16.27	229	—	Clearing up
1425	6.24	325	5.72	0.08	140	9.89	16.62	218	—	
1430	6.24	325	5.65	0.07	75	9.39	15.59	187	—	
1435	6.24	325	5.65	0.07	50	8.54	15.41	174	—	Clear
1440	6.24	325	5.61	0.07	39	8.35	15.36	170	—	
1445	6.24	325	5.58	0.07	28	8.34	15.33	168	—	
1450	6.24	325	5.56	0.07	16	8.33	15.32	166	—	
1455	Sample									

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Calverton
Project No.:

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

Sample ID No.: SA-Pz-12Zd
Sample Location:
Sampled By: WKW
C.O.C. No.:
Type of Sample:
[X] Low Concentration
[] High Concentration

SAMPLING DATA:

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

PURGE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Galveston
PROJECT NUMBER:

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

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

SIGNATURE(S): _____

PAGE___OF___

Tetra Tech NUS, Inc.

GROUNDWATER SAMPLE LOG SHEET

Page___ of ___

Project Site Name: Galveston
Project No.:

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

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

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
Date: 10.12.06								
Time: 0910								ORP
Method: Grundfos	Clear	6.09	0.081	11.87	23	5.67	0.0	-53

PURGE DATA:

	Volume	pH	S.C.	Temp.	Turbidity	DO	Salinity	Other
Date: 10-12-06								
Method: grundfos								
Monitor Reading (ppm):								
Well Casing Diameter & Material Type: 2" PVC								
Total Well Depth (TD): 83.82								
Static Water Level (WL): 10.74								
One Casing Volume (gal/L): 12								
Start Purge (hrs): 0820								
End Purge (hrs): 0905								
Total Purge Time (min): 45								
Total Vol. Purged (gal/L): 22								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOA	HCl	40 ml Vial	3

OBSERVATIONS / NOTES:

Horiba Cond. Meter not properly Calibrated

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

LOW FLOW PURGE DATA SHEET

PROJECT SITE NAME: Calverton
PROJECT NUMBER:

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

Time (Hrs.)	Water Level (Ft. below TOC)	Flow (mL/Min.)	pH (S.U.)	S. Cond. (mS/cm)	Turb. (NTU)	DO (mg/L)	Temp. (Celcius)	ORP mV	Salinity % or ppt	Comments
0820	10.24	2,000								0 gal lt. Gray
0825	10.38	2,000	5.89	0.087	>1200	6.33	12.93	-26	0	
0830	10.38	2,000	5.82	0.086	>1200	6.08	11.94	-29	0	05 ~~10~~ gal
0835	10.38	2,000	5.80	0.084	410	5.94	11.86	-31	0	
0840	10.38	2,000	5.85	0.083	190	5.87	11.85	-35	0	10 gal
0845	10.38	2,000	5.86	0.082	134	5.81	11.85	-37	0	
0850	10.38	2,000	5.91	0.082	85	5.78	11.88	-41	0	15 gal
0855	10.38	2,000	6.00	0.082	62	5.71	11.93	-47	0	
0900	10.38	2,000	6.07	0.081	39	5.69	11.89	-51	0	20 gal
0905	10.38	2,000	6.09	0.081	23	5.67	11.97	-53	0	
0910	Sample									

SIGNATURE(S): _____

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Attachment 3

Analytical Data

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

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

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

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