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NTC ORLANDO  
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SITE ASSESSMENT REPORT ADDENDUM FOR BUILDING 7125 NTC ORLANDO FL  
11/26/2002  
TETRA TECH



**TETRA TECH NUS, INC.**  
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November 26, 2002

Project Number N4118

Mr. David Grabka  
Florida Department of Environmental Protection  
Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Reference: CLEAN Contract No. N62467-94-D-0888  
Contract Task Order No. ~~0177~~

Subject: Site Assessment Report Addendum  
Building 7125 - Main Base Naval Training Center  
Orlando, Orange County, Florida

Dear Mr. Grabka:

Tetra Tech NUS, Inc. (TtNUS) is pleased to submit this Site Assessment Report (SAR) Addendum for the subject site. This report has been prepared for the U.S. Navy Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM) under Contract Task Order (CTO) 0177, for the Comprehensive Long-term Environmental Action Navy (CLEAN) III Contract Number N62467-94-D-0888. This SAR Addendum addresses comments issued by the Florida Department of Environmental Protection (FDEP) in a technical review letter dated August 3, 2001.

**BACKGROUND**

Building 7125 was constructed in 1952 and used as Bachelor Enlisted Quarters. UST 7125 was a 1,500-gallon tank used to store heating fuel. The tank was removed on November 13, 1996 and in good shape at the time of removal. Hydrocarbon impacted soil was detected during the removal. A site assessment was conducted by Harding Lawson Associates (HLA) in 1998 and a SAR was submitted by HLA in January, 1999. The SAR indicated that concentrations of contaminants of concern (CoCs) in soil exceeded the Soil Cleanup Target Levels (SCTLs) specified in Chapter 62-770, Florida Administrative Code (F.A.C.). In addition, the SAR indicated that concentrations of CoCs in groundwater samples collected from monitoring wells installed at the site exceeded the Groundwater Cleanup Target Levels (GCTLs) specified in Chapter 62-770, F.A.C. The SAR recommended that a source removal be conducted to remove the petroleum impacted soil from the site. The results of the site assessment were used to delineate the area of excavation.

A source removal was conducted at Building 7125 during the period of March 12 to March 14, 2000. A total of 1,347 tons of petroleum impacted soil were excavated from the area around the former above-ground storage tank (AST) and disposed of off-site. No free product was observed during the excavation. Soils were excavated based on the limits of "excessively contaminated soil", as defined by Chapter 62-770, F.A.C., delineated during the excavation. The delineation was performed by using headspace analysis to screen soil samples collected from the walls of the excavation to determine if additional soil should be excavated. The excavation boundaries were extended if corrected Organic Vapor Analyzer (OVA) responses of greater than 50 parts per million (ppm) were observed in vadose zone soil samples collected from the sidewalls of the excavation.

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Upon completion of the excavation, seven soil samples were collected from the walls of the excavation for off-site laboratory analysis to confirm that all petroleum-impacted soil above the SCTLs had been removed. The results of off-site laboratory analysis of these soil samples indicated that petroleum-impacted soil that exceeded the SCTLs was still present beneath Building 7125. However, all other petroleum-impacted soil had been removed.

A Source Removal Report (SRR) was submitted by TtNUS in July, 2001. Based on the results of the SRR, and previous investigations conducted by HLA, TtNUS recommended replacement of the monitoring wells that were abandoned prior to the excavation, and collection of groundwater samples to evaluate the impact of the source removal.

The FDEP issued a response to the SRR on August 3, 2001. The letter concurred with TtNUS' recommendation to replace the monitoring wells and collect groundwater samples from the monitoring wells at the site. A copy of the letter is presented in Attachment A.

### **INSTALLATION OF MONITORING WELLS**

On November 28, 2000, TtNUS personnel mobilized to the facility to install four monitoring wells. Two of the monitoring wells, OLD-7125-MW05R and OLD-7125-MW06R, replaced the former wells MW-5 and MW-6, respectively. The replacement wells were installed in approximately the same locations as the original wells. Monitoring well OLD-7125-MW10 was installed upgradient of the plume (based on historical groundwater elevation and analytical data presented in the SAR). Monitoring well OLD-7125-MW11 was installed at the approximate center of the plume (based on historical groundwater elevation and analytical data presented in the SAR). Monitoring wells MW-1, MW-2, MW-3 and MW-4 were not replaced because the other wells provided adequate coverage of the plume and they were not required for delineation. The monitoring well locations are depicted on Figure 1.

The monitoring wells were installed using hollow stem auger drilling techniques. Each well was constructed of 2-inch inside diameter (ID), flush-threaded, schedule 40 poly vinyl chloride (PVC) riser and 0.010-inch machine slotted well screen with a 6-inch silt trap and bottom cap. The wells were installed to approximately 12 feet below land surface (bls) with a 10-foot screen section. The annulus around each well was filled to approximately 1 foot above the screen with US Standard Sieve size 20/30 silica sand, followed by a 1-foot 30/65 fine sand seal. The remainder of the annulus was grouted to the surface. Each well was completed at grade and secured with a locking, watertight cap. Monitoring well completion logs are provided in Attachment B.

Upon completion of well installation activities the wells were developed using a centrifugal pump. The wells were developed until clear water was observed flowing from the well.

### **GROUNDWATER QUALITY SAMPLING AND ANALYSIS**

On May 1 and 2, 2002 groundwater samples were collected from on site monitoring wells OLD-7125-MW-05R, OLD-7125-MW-06R, OLD-7125-MW-07, OLD-7125-MW-08, OLD-7125-MW-10 and OLD-7125-MW-11. Monitoring well OLD-7125-MW-09 was sampled on July 9, 2002. Prior to sample collection, the monitoring wells were purged utilizing a decontaminated peristaltic pump and dedicated Teflon™ tubing. A maximum of three (3) well volumes was purged from each well. The groundwater samples were collected using the quiescent sampling technique to assure that the groundwater samples were representative of actual aquifer conditions. The groundwater samples were subsequently transferred to pre-preserved laboratory supplied sample containers. The sample containers were labeled, placed in a cooler, packed with ice, and transported under chain of custody protocol to Accutest Laboratories, Inc., located in Orlando, Florida. The samples

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were analyzed for Volatile Organic Compounds (VOCs) by USEPA Method 8260B, polynuclear aromatic hydrocarbons (PAHs) by USEPA Method 8310, total petroleum hydrocarbons (TPH) using the Florida Residual Petroleum Organic Method (FL-PRO), ethylene dibromide (EDB) by USEPA Method 504.1 and lead by USEPA Method 6010B. The water groundwater sampling logs are provided in Attachment C. The laboratory analytical reports are provided in Attachment D.

The PAHs fluorene, naphthalene, 1-methylnaphthalene and 2-methylnaphthalene were detected in monitoring well OLD-7125-MW05R at concentrations of 4.1 micrograms per liter (ug/l), 36.1 ug/l, 41.4 ug/l and 50.9 ug/l respectively. The naphthalene, 1-methylnaphthalene and 2-methylnaphthalene concentrations exceed their respective GCTLs. TPH was detected in monitoring well OLD-7125-MW05R at a concentration of 5.01 milligrams per liter (mg/l), which slightly exceeds the GCTL. The VOCs ethylbenzene and total xylenes were detected in monitoring well OLD-7125-MW05R at concentrations of 10.2 ug/l and 1.2J ug/l respectively. These concentrations were below their respective GCTLs. Lead was detected in monitoring well OLD-7125-MW05R at a concentration of 1.4 ug/l, which is below the GCTL. Concentrations of all other CoCs in monitoring well OLD-7125-MW05R were below standard laboratory detection limits (SLDLs).

The PAHs naphthalene, 1-methylnaphthalene and 2-methylnaphthalene were detected in monitoring well OLD-7125-MW06R at concentrations of 0.86J ug/l, 1.1J ug/l and 0.88J ug/l respectively. These concentrations are below their respective GCTLs. TPH was detected in monitoring well OLD-7125-MW06R at a concentration of 0.374 mg/l, which is below the GCTL. Lead was detected in monitoring well OLD-7125-MW06R at a concentration of 16.5 ug/l, which exceeds the GCTL. Concentrations of all other CoCs in monitoring well OLD-7125-MW06R were below SLDLs.

TPH was detected in monitoring well OLD-7125-MW08 at a concentration of 0.836 mg/l, which is below the GCTL. Lead was detected in monitoring wells OLD-7125-MW07 and OLD-7125-MW08 at concentrations of 2.2 ug/l and 1.7 ug/l respectively, which are below the GCTL. Concentrations of all other CoCs in monitoring well OLD-7125-MW07 and OLD-7125-MW08 were below SLDLs.

Fluorene, TPH, and lead were detected in monitoring well OLD-7125-MW11 at concentrations of 1.2J ug/l, 0.745 mg/l and 2.4 ug/l respectively. These concentrations are below their respective GCTLs. Concentrations of all other CoCs in monitoring well OLD-7125-MW11 were below SLDLs.

Concentrations of all CoCs in monitoring well OLD-7125-MW09 were below SLDLs. The laboratory analytical results are summarized in Table 1. Groundwater concentrations are depicted on Figure 2.

#### **GROUNDWATER FLOW DIRECTION**

Water level measurements were recorded from site monitoring wells during the sampling event. Depth to groundwater, measured from the Top of Casing (TOC), ranged from 6.32 to 7.09 feet in the wells. The TOC elevations for the monitoring wells at Building 7125 were surveyed previously using an arbitrary 100 ft. datum. The water level measurements collected on May 1, 2002 are presented in Table 2. The water level data were used to estimate groundwater flow direction at the site (Figure 3).

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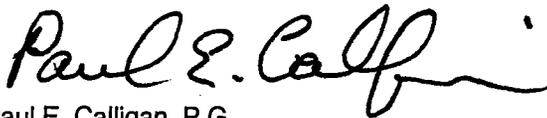
## CONCLUSIONS AND RECOMMENDATIONS

The laboratory analytical results indicate that the naphthalene and TPH concentrations in monitoring well OLD-7125-MW05R exceeded their respective GCTLs. In addition the lead concentration in monitoring well OLD-7125-MW06R exceeded the GCTL. Review of the sample log forms indicates that the turbidity level in monitoring well OLD-7125-MW06R was elevated. The lead exceedance reported in this well was likely due to the elevated turbidity level and will be closely monitored over subsequent sampling events.

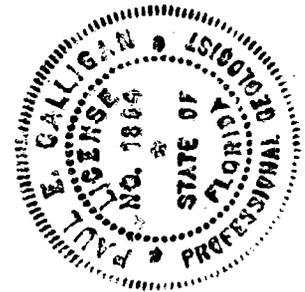
Based on the analytical data collected on May 1, 2 and July 9, 2002, TtNUS recommends that a Natural Attenuation Monitoring Plan be implemented for the site. One source well, OLD-7125-MW05R, one upgradient well OLD-7125-MW-10, two downgradient wells, OLD-7125-MW08 and OLD-7125-MW09 and one lateral well OLD-7125-MW06R should be sampled quarterly. The monitoring wells should be sampled for PAHs, volatile organic aromatics (VOA)s and TPH. Monitoring well OLD-7125-MW06R should also be sampled for lead. The samples should be analyzed by appropriate methods at a certified laboratory. Water levels should be gauged in each of the site monitoring wells during the quarterly sampling events. The results of the natural attenuation monitoring should be evaluated for compliance with the requirements of 62-770 F.A.C.

If you have any questions regarding the information presented in this document, please contact me by phone at (813) 806-0202, or via e-mail at calliganp@ttnus.com.

Sincerely,



Paul E. Calligan, P.G.  
Task Order Manager  
Florida License No. PG-0001864  
Date: November 26, 2002



PC/dd

### Attachments

c: Wayne Hansel, SOUTHDIV  
Debbie Wroblewski (Cover Letter Only)  
Mark Perry/File (Unbound)

**TABLES**

TABLE 1

**SUMMARY OF GROUNDWATER ANALYTICAL RESULTS  
BUILDING 7125  
NAVAL TRAINING CENTER  
ORLANDO, FLORIDA**

COMPOUND	GCTLs	Sample ID	7125GLM0501	7125GLM06R01	7125GLM0701	7125GLM0801	7125GLM0901	7125GLM1001	7125GLM1101
		Well ID	OLD-7125-MW05R	OLD-7125-MW06R	OLD-7125-MW07	OLD-7125-MW08	OLD-7125-MW09	OLD-7125-MW10	OLD-7125-MW11
		Date	5/1/02	5/2/02	5/1/02	5/1/02	7/29/02	5/2/02	5/2/02
<b>PAHs:</b>									
Acenaphthene	20		<8.0	<4.4	<4.0	<4.4	<4.0	<4.4	<4.4
Acenaphthylene	210		<8.0	<4.4	<4.0	<4.4	<4.0	<4.4	<4.4
Anthracene	2,100		<2.0	<2.2	<2.0	<2.2	<2.0	<2.2	<2.2
Benzo(a)anthracene	0.2		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Benzo(a)pyrene	0.2		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Benzo(b)fluoranthene	0.2		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Benzo(ghi)perylene	210		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Benzo(k)fluoranthene	0.5		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Chrysene	4.8		<2.0	<2.2	<2.0	<2.2	<2.0	<2.2	<2.2
Dibenzo(a,h)anthracene	0.2		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Fluoranthene	280		<2.0	<2.2	<2.0	<2.2	<2.0	<2.2	<2.2
Fluorene	280		4.1	<2.2	<2.0	<2.2	<2.0	<2.2	1.2
Indeno(1,2,3)pyrene	0.2		<0.20	<0.22	<0.20	<0.22	<0.20	<0.22	<0.22
Naphthalene	20		36.1	0.86	<2.0	<2.2	<2.0	<2.2	<2.2
1-Methylnaphthalene	20		41.4	1.1	<2.0	<2.2	<2.0	<2.2	<2.2
2-Methylnaphthalene	20		50.9	0.88	<2.0	<2.2	<2.0	<2.2	<2.2
Phenanthrene	120		<4.0	<2.2	<2.0	<2.2	<2.0	<2.2	<2.2
Pyrene	210		<2.0	<2.2	<2.0	<2.2	<2.0	<2.2	<2.2
<b>VOAs:</b>									
Benzene	1		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	30		10.2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Toluene	40		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Xylenes	20		1.2	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
<b>OTHER ORGANICS:</b>									
MTBE	50		<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
EDB	0		<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
TRPH (mg/l)	5		5.01	0.374	<0.28	0.836	<0.26	<0.28	0.745
<b>METALS:</b>									
Lead	15		1.4	16.6	2.2	1.7	1.3	3.0	2.4

Values reported in micrograms per liter except where noted.

GCTL = Groundwater Cleanup Target Level as defined by Chapter 62-777, F.A.C.

MTBE = Methyl tert-butyl ether

TRPH = Total Recoverable Petroleum Hydrocarbons

EDB = 1,2 Dibromoethane

Shaded values are positive detections. Values shown in bold are at concentrations exceeding GCTL.

**TABLE 2**

**GROUNDWATER ELEVATION SUMMARY  
BUILDING 7125 SITE ASSESSMENT REPORT ADDENDUM  
NAVAL TRAINING CENTER ORLANDO  
ORLANDO, FLORIDA**

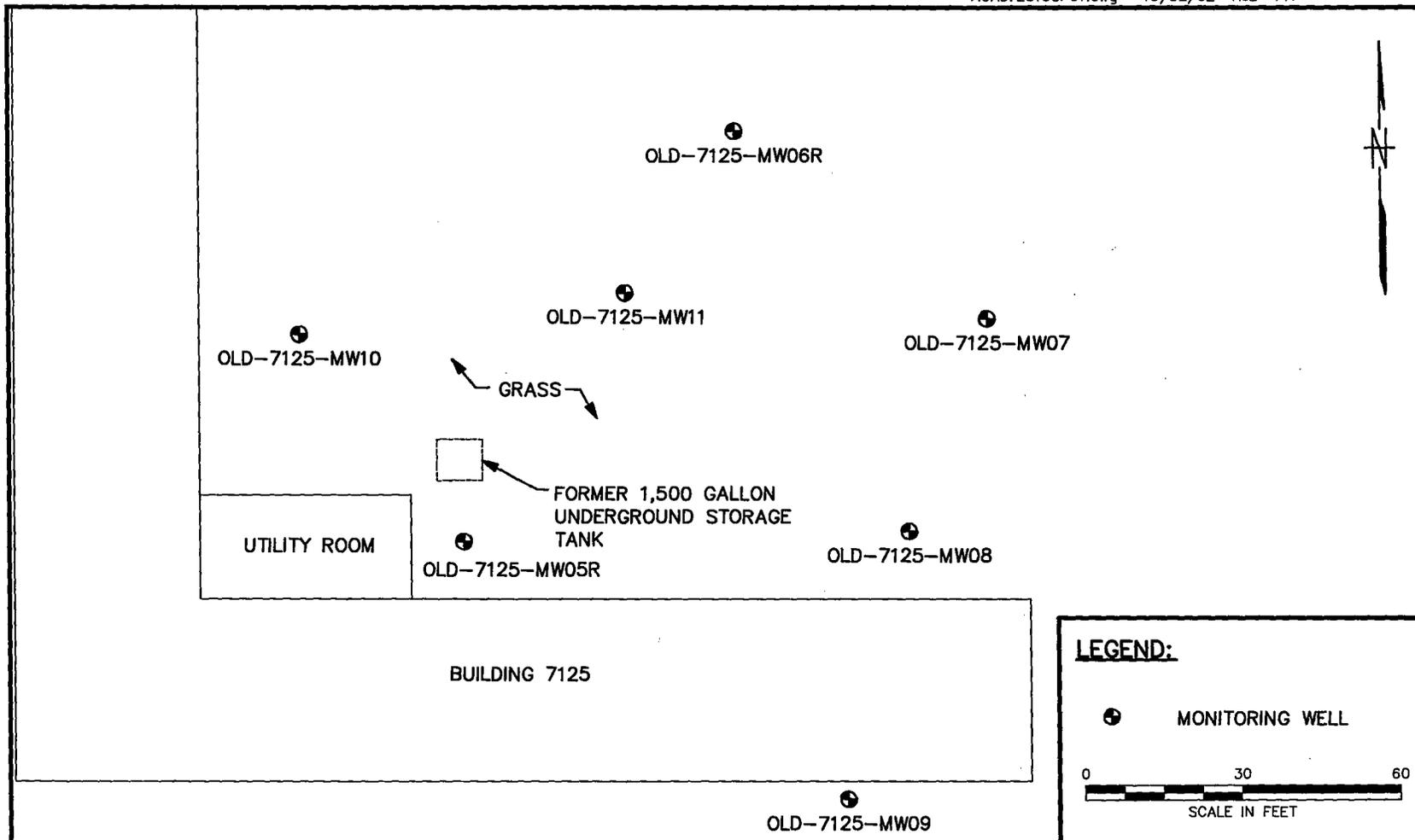
WELL ID	OLD-7125-MW05R	OLD-7125-MW06R	OLD-7125-MW07	OLD-7125-MW08	OLD-7125-MW10	OLD-7125-MW11												
DIAMETER	2-inch	2-inch	2-inch	2-inch	2-inch	2-inch												
WELL DEPTH	12.00	12.00	12.00	12.00	12.00	12.00												
SCREEN INTERVAL	2 - 12 feet	2 - 12 feet	2 - 12 feet	2 - 12 feet	2 - 12 feet	2 - 12 feet												
TOC ELEVATION <sup>(1)</sup>	100.26	99.64	99.44	99.68	99.97	99.95												
<b>DATE</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>	<b>ELEV</b>	<b>DTW</b>	<b>FP</b>
5/1/2002	93.17	7.09	ND	93.21	6.43	ND	93.12	6.32	ND	93.09	6.59	ND	92.91	6.77	ND	93.22	6.73	ND

**NOTES:**

(1) TOC elevations referenced to an arbitrary 100' datum.

TOC            Top Of Casing  
 ELEV        Elevation  
 DTW        Depth To Water  
 FP          Free Product thickness  
 ND          Not Detected

**FIGURES**

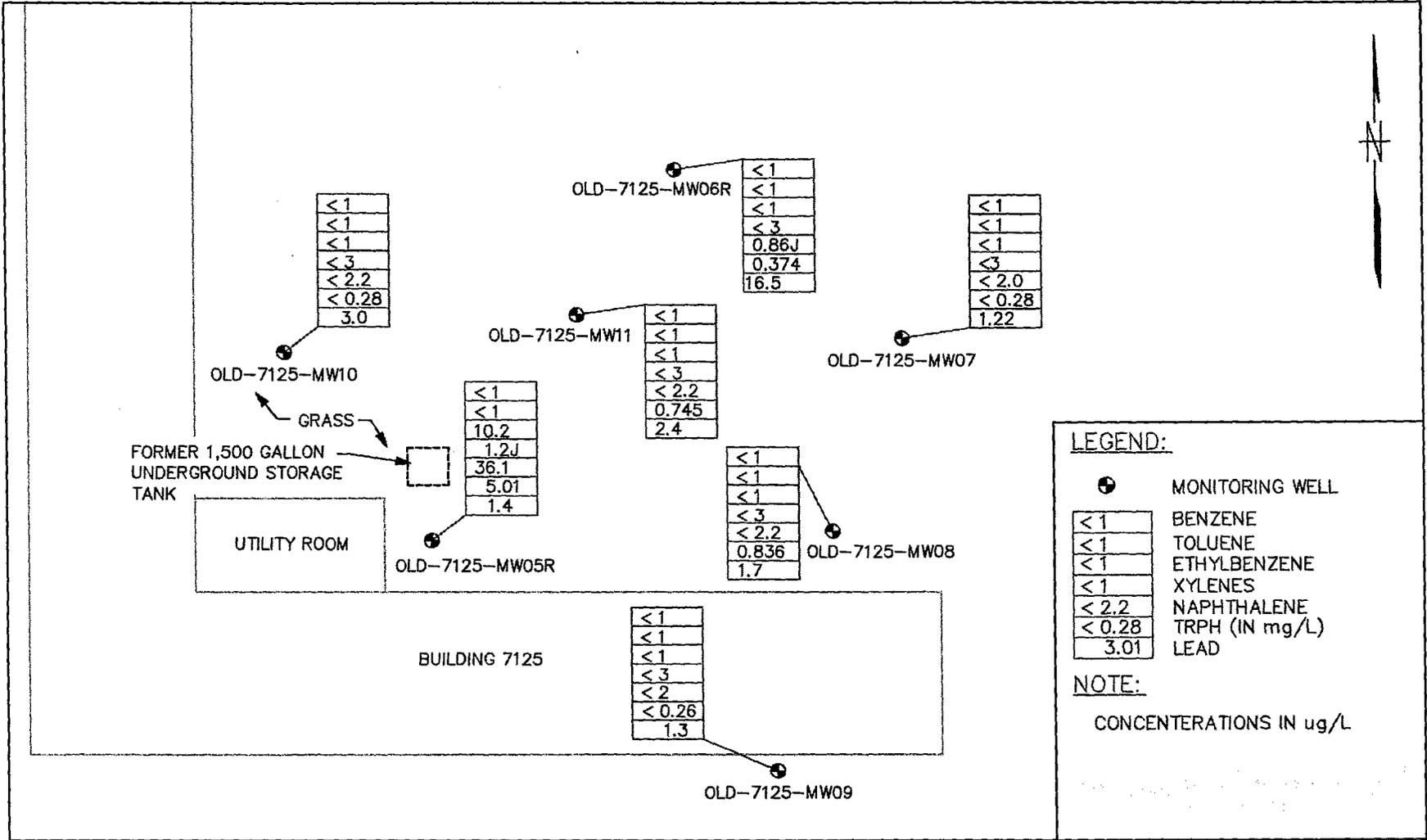


DRAWN BY	DATE
HJB	5/17/02
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE	
AS NOTED	



**SITE MAP**  
**SAR ADDENDUM**  
**MAY 1, 2002**  
**BUILDING 7125, McCOY ANNEX**  
**NAVAL TRAINING CENTER**  
**ORLANDO, FLORIDA**

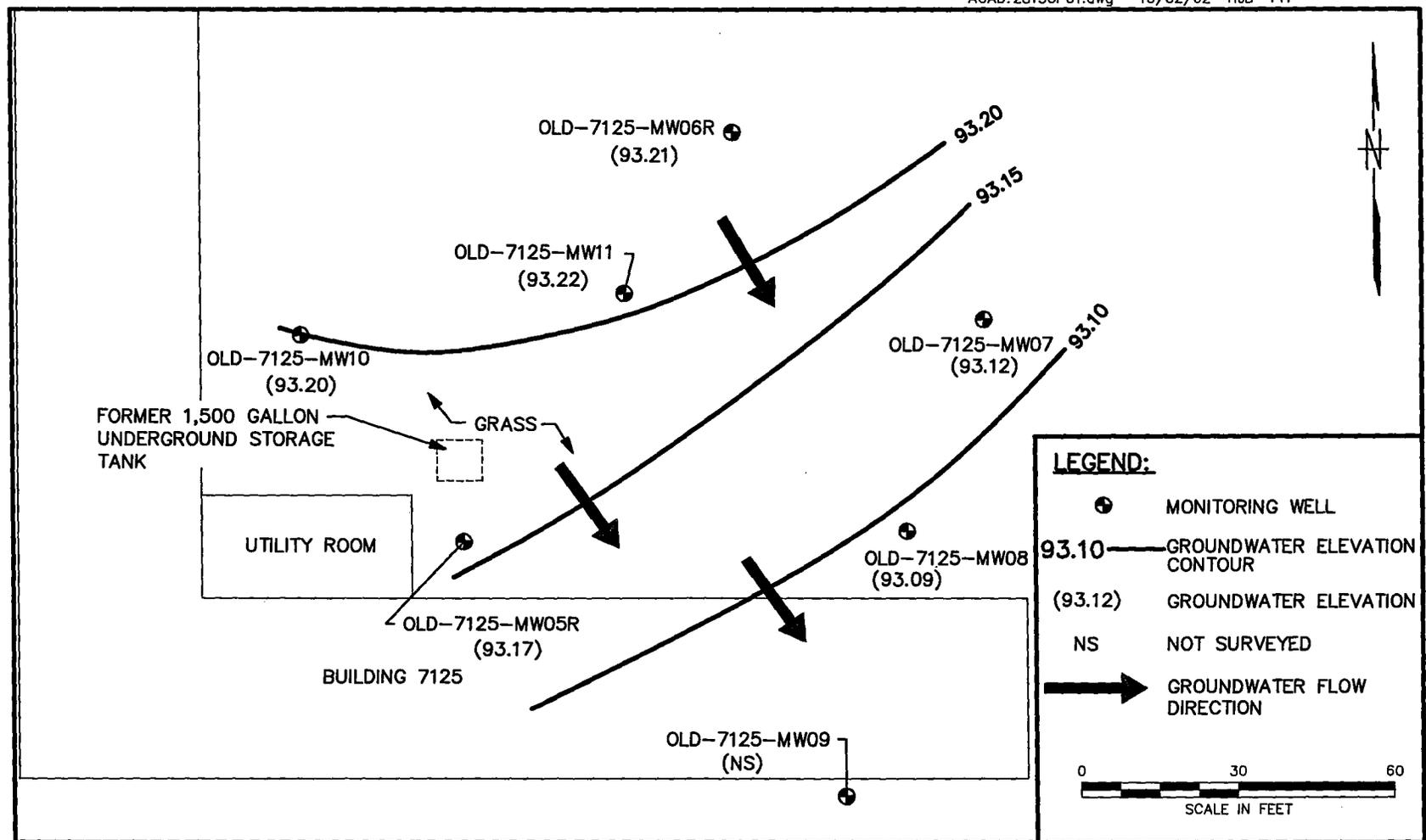
CONTRACT 2815	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO.	FIGURE 1
REV.	0



DRAWN BY HJB DATE 7/18/02  
 CHECKED BY DATE  
 COST/SCHED-AREA  
 SCALE AS NOTED

GROUNDWATER CONCENTRATION MAP  
 SAR ADDENDUM  
 MAY 1, 2002  
 BUILDING 7125, McCOY ANNEX  
 NAVAL TRAINING CENTER  
 ORLANDO, FLORIDA

CONTRACT 2815  
 APPROVED BY DATE  
 APPROVED BY DATE  
 DRAWING NO. FIGURE 2 REV. 0



DRAWN BY	DATE
HJB	7/18/02
CHECKED BY	DATE
COST/SCHED-AREA	
SCALE	
AS NOTED	



**GROUNDWATER ELEVATION CONTOUR MAP**  
**SAR ADDENDUM**  
**MAY 1, 2002**  
**BUILDING 7125, MCCOY ANNEX**  
**NAVAL TRAINING CENTER**  
**ORLANDO, FLORIDA**

CONTRACT 2815	
APPROVED BY	DATE
APPROVED BY	DATE
DRAWING NO.	FIGURE 3
REV.	0

**ATTACHMENT A**



# Department of Environmental Protection

Jeb Bush  
Governor

Twin Towers Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

David B. Struhs  
Secretary

August 3, 2001

Mr. Nick Ugolini  
Code 1843 (UST RPM)  
Southern Division  
Naval Facilities Engineering Command  
P.O. Box 190010  
North Charleston, South Carolina 29419-9010

RE: Source Removal Report, UST 7125, Orlando Naval Training  
Center, Orlando, Florida

Dear Mr. Hansel:

I have completed the review of the Source Removal Report, UST 7125, Orlando Naval Training Center, dated June 29, 2001 (received July 9, 2001), prepared and submitted by Tetra Tech NUS, Inc. The report adequately documents the excavation and disposal of petroleum contaminated soil. Some contaminated soil could not be excavated due to its proximity to Building 7125. I concur with the consultant's recommendation that monitoring wells abandoned prior to the excavation be replaced and a complete round of groundwater samples be collected. The results of the proposed groundwater sampling and analyses should be provided to the Department as a Site Assessment Report Addendum.

If I can be of any further assistance with this matter, please contact me at (850) 921-9991.

Sincerely,

David P. Grabka  
Remedial Project Manager

cc: Bill Bostwick, FDEP Central District Office  
Wayne Hansel, U.S. Navy, Southern Division  
Nancy Rodriguez, USEPA, Region 4  
Steve McCoy, Tetra Tech NUS, Oak Ridge, TN  
Steve Tsangaris, CH2M Hill, Tampa

TJB \_\_\_\_\_ JJC \_\_\_\_\_ ESN \_\_\_\_\_

**ATTACHMENT B**

**Florida Department of Environmental Protection  
GROUNDWATER SAMPLING LOG**

SITE NAME: <b>NTC ORLANDO</b>	SITE LOCATION: <b>Building 7125</b>
WELL NO: <b>MW-5</b>	SAMPLE ID: <b>7125GLM0501</b>
DATE: <b>5/11/02.</b>	

**PURGING DATA**

WELL DIAMETER (in): <b>2"</b>	TOTAL WELL DEPTH (ft): <b>11.41</b>	STATIC DEPTH TO WATER (ft): <b>7.09</b>	WELL CAPACITY (gal/ft): <b>0.16</b>
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =			
<b>= ( 11.41 - 7.09 ) X 0.16 = 0.69</b>			
PURGE METHOD: <b>Peristaltic</b>		PURGE INITIATED AT: <b>12:05</b>	PURGE ENDED AT: <b>12:52</b>
		TOTAL VOL. PURGED (gal): <b>4500 ml.</b>	

TIME	VOLUME PURGED (gal)	CUMUL VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
12:10	500	500	100	7.60	6.70	23.3	0.706	18.85	425.0	brown	none
12:20	1000	1500	100	7.60	6.71	23.3	0.690	16.23	177.0	light brown	
12:30	1500	2500	100	7.57	6.72	23.4	0.684	14.25	78.9	clear	
12:40	1000	3500	100	7.57	6.73	23.4	0.682	16.42	45.7	clear	
12:50	1000	4500	100	7.57	6.75	23.4	0.673	8.87	26.5	clear	↓

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

**SAMPLING DATA**

SAMPLED BY (PRINT)/ AFFILIATION: <b>GARY BRAGANZA / ITNUS.</b>	SAMPLER(S) SIGNATURE(S): <i>Gary Braganza</i>
SAMPLING METHOD(S): <b>Peristaltic p.p.</b>	SAMPLING INITIATED AT: <b>12:45</b>
SAMPLING ENDED AT:	Duplicate: Y <input checked="" type="radio"/> N
FIELD DECONTAMINATION: Y <input type="radio"/> N <input checked="" type="radio"/>	FIELD-FILTERED: Y <input type="radio"/> N <input checked="" type="radio"/>

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2	AG	1 liter	H <sub>2</sub> SO <sub>4</sub>	-	-	TRPH
2	AG	1 liter	none	-	-	8310
3	CG	40 ml	HCl	-	-	VOC
3	CG	40 ml	none	-	-	EDB
1	PE	500 ml.	HNO <sub>3</sub>	-	-	Lead

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

**NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.**



**Florida Department of Environmental Protection  
GROUNDWATER SAMPLING LOG**

SITE NAME:	NTC Orlando	SITE LOCATION:	Bldg 7125
WELL NO:	MW-7	SAMPLE ID:	7125GLM0701
		DATE:	5/1/02

**PURGING DATA**

WELL DIAMETER (in):	2"	TOTAL WELL DEPTH (ft):	11.49
		STATIC DEPTH TO WATER (ft):	6.32
		WELL CAPACITY (gal/ft):	0.16
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =			
= ( 11.49 - 6.32 ) X 0.16 = 0.82			

PURGE METHOD: Peristaltic			PURGE INITIATED AT: 9:00			PURGE ENDED AT: 10:00			TOTAL VOL. PURGED (gal):		
TIME	VOLUME PURGED (gal)	CUMUL VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
9:05	500	500	100	6.45	5.41	23.7	0.102	19.99	76.2	brown tinge	none
9:15	1000	1500	100	6.50	5.41	23.6	0.110	19.99	45.3		
9:25	1000	2500	100	6.50	5.38	23.7	0.110	19.99	33.6		
9:35	1000	3500	100	6.50	5.37	23.7	0.120	18.03	29.9		
9:45	1000	4500	100	6.50	5.37	23.7	0.121	18.00	21.0		
9:55	1000	5500	100	6.50	5.37	23.7	0.122	18.05	20.8		
10:00	1000	6500	100	6.50	5.37	23.7	0.122	18.00	20.6	✓	✓
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

**SAMPLING DATA**

SAMPLED BY (PRINT)/ AFFILIATION: GARY BRAGANZA / TTNU			SAMPLER(S) SIGNATURE(S): Gary Braganza			
SAMPLING METHOD(S): Peristaltic pump			SAMPLING INITIATED AT: 10:00		SAMPLING ENDED AT:	
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		DUPLICATE: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2	AG	1 liter	H <sub>2</sub> O <sub>2</sub>	-	-	TRPH
2	AG	1 liter	-	-	-	5310
3	CG	40ml	HCl	-	-	ED5
3	CG	40ml	-	-	-	VOC
1	PE	500 ml	HNO <sub>3</sub>	-	-	lead
REMARKS:						

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

**NOTE:** The above do not constitute all of the information required by Chapter 62-160, F.A.C.

**Florida Department of Environmental Protection  
GROUNDWATER SAMPLING LOG**

SITE NAME: <u>NTC Orlando</u>	SITE LOCATION: <u>Bldg 7125</u>
WELL NO: <u>MW-8</u>	SAMPLE ID: <u>7125GLM0801</u>
DATE: <u>5/1/02</u>	

**PURGING DATA**

WELL DIAMETER (in): <u>2"</u>	TOTAL WELL DEPTH (ft): <u>11.53</u>	STATIC DEPTH TO WATER (ft): <u>6.59</u>	WELL CAPACITY (gal/ft): <u>0.16</u>
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =			
<u>= ( 11.53 - 6.59 ) X 0.16 = 0.79</u>			

PURGE METHOD: <u>Peristaltic pump</u>	PURGE INITIATED AT: <u>10:35</u>	PURGE ENDED AT: <u>11:25</u>	TOTAL VOL. PURGED (gal): <u>8250ml</u>
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TIME	VOLUME PURGED (gal) ml	CUMUL VOLUME PURGED (gal) ml	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
10:35	750	750	150 <del>ml</del>	6.72	5.39	22.8	0.088	19.99	32.0	char	none
10:45	1500	2250	150	6.72	5.37	22.8	0.104	18.03	31.2	"	"
10:55	1500	3750	150	6.72	5.37	22.7	0.099	13.79	31.4	"	"
11:05	1500	5250	150	6.72	5.35	22.9	0.101	13.19	31.6	"	"
11:15	1500	6750	150	6.70	5.35	22.9	0.103	12.55	30.9	"	"
11:25	1500	8250	150	6.70	5.36	23.0	0.104	12.87	30.5	"	"

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

**SAMPLING DATA**

SAMPLED BY (PRINT) / <u>GARY BRAGANZA / TTNUS</u>	SAMPLER(S) SIGNATURE(S) <u>Gary Braganza</u>
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SAMPLING METHOD(S): <u>Peristaltic pump</u>	SAMPLING INITIATED AT: <u>10:30</u>	SAMPLING ENDED AT:
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FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	FIELD FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>	DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
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SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2		1L	H <sub>2</sub> SO <sub>4</sub>	none		TRPH by FL PRO
2		1L	none	"		8310
3		40ml	none	"		EDB
3		40ml	HCl	"		VOC - 8260
1		500ml	HNO <sub>3</sub>	"		lead

REMARKS:

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MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

**NOTE:** The above do not constitute all of the information required by Chapter 62-160, F.A.C.

**Florida Department of Environmental Protection  
GROUNDWATER SAMPLING LOG**

SITE NAME: <u>NTC Orlando</u>	SITE LOCATION: <u>Bldg 7125</u>
WELL NO: <u>MW-11</u>	SAMPLE ID: <u>7125GLM0901</u>
DATE: <u>5/2/02</u>	

**PURGING DATA**

WELL DIAMETER (in): <u>2"</u>	TOTAL WELL DEPTH (ft): <u>12.10</u>	STATIC DEPTH TO WATER (ft): <u>6.73</u>	WELL CAPACITY (gal/ft): <u>0.16</u>
$1 \text{ WELL VOLUME (gal)} = (\text{TOTAL WELL DEPTH} - \text{DEPTH TO WATER}) \times \text{WELL CAPACITY} =$ $= (12.10 - 6.73) \times 0.16 = 0.859$			
PURGE METHOD: <u>Peristaltic pump</u>	PURGE INITIATED AT: <u>9:35</u>	PURGE ENDED AT: <u>10:42</u>	TOTAL VOL. PURGED (gal):

TIME	VOLUME PURGED (gal)	CUMUL VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
9:40	500	500	100	6.84	6.87	24.6	0.590	19.99	49.8	clear	none
9:50	1000	1500	100	6.80	6.87	24.5	0.592	19.99	18.8		
10:00	1500	2500	100	6.78	6.87	24.5	0.592	19.33	11.4		
10:10	1000	3500	100	6.78	6.88	24.6	0.591	16.14	8.2		
10:20	1000	4500	100	6.78	6.87	24.6	0.585	15.10	7.4		
10:30	1000	5500	100	6.78	6.88	24.7	0.582	15.05	7.0		
10:40	1000	6500	100	6.78	6.88	24.7	0.582	15.00	7.0	↓	↓

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <u>GARY BRAGANZA / ITNUS</u>			SAMPLER(S) SIGNATURE(S): <u>Gary Braganza</u>		
SAMPLING METHOD(S): <u>Peristaltic pump</u>			SAMPLING INITIATED AT: <u>10:45</u>		SAMPLING ENDED AT:
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		DUPLICATE: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2	AG	1 liter	H <sub>2</sub> SO <sub>4</sub>	-	-	TREH
2	AG	1 liter	-	-	-	8310
3	CG	40ul	HEP	-	-	EDS
3	CG	40ul	-	-	-	VOC
1	PE	500 ul	HNO <sub>3</sub>	-	-	Lead.

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

**NOTE:** The above do not constitute all of the information required by Chapter 62-160, F.A.C.

**Florida Department of Environmental Protection  
GROUNDWATER SAMPLING LOG**

SITE NAME: <b>NTC ORLANDO</b>	SITE LOCATION: <b>Buildy 7125</b>
WELL NO: <b>MW-10</b>	SAMPLE ID: <b>7125GLM1001</b>
DATE: <b>5/2/02</b>	

**PURGING DATA**

WELL DIAMETER (in): <b>2"</b>	TOTAL WELL DEPTH (ft): <b>11.85</b>	STATIC DEPTH TO WATER (ft): <b>6.77</b>	WELL CAPACITY (gal/ft): <b>0.16</b>
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =			
$= (11.85 - 6.77) \times 0.16 = 0.812$			

PURGE METHOD: <b>Peristaltic pump</b>			PURGE INITIATED AT: <b>8:15</b>		PURGE ENDED AT: <b>9:20</b>		TOTAL VOL. PURGED (gal): <b>6500 ml</b>				
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
8:20	500	500	100	6.87	7.04	23.8	0.325	19.99	77.4	clear	none
8:30	1000	1500	100	6.89	7.15	23.5	0.326	19.99	29.6		
8:40	1500	2500	100	6.89	7.23	23.5	0.300	19.99	22.1		
8:50	1600	3500	100	6.89	7.29	23.7	0.289	17.73	17.9		
9:00	1000	4500	100	6.89	7.31	23.8	0.285	16.77	17.5		
9:10	1000	5500	100	6.89	7.32	23.7	0.282	16.11	16.5		
9:20	1000	6500	100	6.89	7.31	23.7	0.281	16.10	15.0	↓	↓
9:30											

WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88

**SAMPLING DATA**

SAMPLED BY (PRINT) / <b>GARY BRAGANZA / T/NDJ</b>			SAMPLER(S) SIGNATURE(S) <i>Gary Braganza</i>		
AFFILIATION			SAMPLING METHOD(S): <b>Peristaltic pump</b>		SAMPLING INITIATED AT: <b>9:30</b>
FIELD DECONTAMINATION: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>			FIELD-FILTERED: Y <input checked="" type="checkbox"/> N <input checked="" type="checkbox"/>		DUPLICATE: <input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N <input type="checkbox"/>

SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH	
2	AG	1 liter	HNO <sub>3</sub>	none	-	TRPA-FI PRO
2	AG	1 liter	none	-	-	8310
3	CG	40ml	HCl	-	-	VOC
3	CG	40ml	none	-	-	EDB
1	PE	500 ml	HNO <sub>3</sub>	-	-	lead

REMARKS: **Duplicate 7125GLMF001**

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.

## Florida Department of Environmental Protection GROUNDWATER SAMPLING LOG

SITE NAME: <b>NTC Orlando</b>	SITE LOCATION: <b>Bldg 7125</b>
WELL NO: <b>MW-09</b>	SAMPLE ID: <b>7125GLM0901</b>
DATE: <b>7/29/02</b>	

### PURGING DATA

WELL DIAMETER (in): <b>2"</b>	TOTAL WELL DEPTH (ft): <b>12.0</b>	STATIC DEPTH TO WATER (ft): <b>3.16</b>	WELL CAPACITY (gal/ft): <b>0.16</b>								
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =											
= ( <b>12.0 - 3.16</b> ) X <b>0.16</b> = <b>1.41</b>											
PURGE METHOD: <b>Peristaltic</b>		PURGE INITIATED AT:		PURGE ENDED AT:		TOTAL VOL. PURGED (gal):					
TIME	VOLUME PURGED (gall) ml	CUMUL. VOLUME PURGED (gall) ml	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
12:55	500	500	100	3.19	6.69	25.84	0.198	5.24	15.1	clear	none
13:00	500	1000	100	3.19	6.71	25.79	0.196	4.85	9.6	clear	none
13:05	500	1500	100	3.19	6.71	25.81	0.188	4.23	10.5	clear	none
13:10	500	2000	100	3.19	6.67	25.74	0.199	4.09	9.4	clear	none
13:15	500	2500	100	3.19	6.67	25.74	0.198	4.10	7.4	clear	none
13:20	500	3000	100	3.19	6.68	25.75	0.197	4.15	8.0	clear	none
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

### SAMPLING DATA

SAMPLED BY (PRINT)/ AFFILIATION: <b>GARY BRAGANZA / ITNUS</b>			SAMPLER(S) SIGNATURE(S): <i>[Signature]</i>					
SAMPLING METHOD(S): <b>Peristaltic</b>			SAMPLING INITIATED AT: <b>13:30</b>		SAMPLING ENDED AT:			
FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>		FIELD-FILTERED: Y <input checked="" type="radio"/> N <input checked="" type="radio"/>		DUPLICATE: Y <input type="radio"/> N <input checked="" type="radio"/>				
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD		
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH			
2	AG	1 liter	H <sub>2</sub> SO <sub>4</sub>	-	-	TRPH		
2	AG	1 liter	-	-	-	8310		
3	CG	40 ml	HCl	-	-	8260		
3	CG	40 ml	-	-	-	EDB		
1	PE	5000	HNO <sub>3</sub>	-	-	lead		
REMARKS:								
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)								

**NOTE: The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

**ATTACHMENT C**

## Report of Analysis

Client Sample ID: 7125GLM06R01	Date Sampled: 05/02/02
Lab Sample ID: F13075-1	Date Received: 05/02/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0009667.D	1	05/13/02	JG	n/a	n/a	VB418
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0012

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM06R01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-1	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

**VOA Special List**

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0013

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM06R01	
<b>Lab Sample ID:</b> F13075-1	<b>Date Sampled:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/02/02
<b>Method:</b> EPA 504.1 EPA 504	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21692.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM06R01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-1	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 8310 SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	AA010663.D	1	05/08/02	MRE	05/06/02	OP5089	GAA491
Run #2							

Run #	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	0.86	2.2	ug/l	J
90-12-0	1-Methylnaphthalene	1.1	2.2	ug/l	J
91-57-6	2-Methylnaphthalene	0.88	2.2	ug/l	J
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		33-141%
92-94-4	p-Terphenyl	73%		31-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM06R01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-1	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20802.D	1	05/08/02	ME	05/06/02	OP5090	GOP771
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.374	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		55-130%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0016

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM06R01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-1	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

**Metals Analysis**

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	16.5	5.0	1.2	ug/l	1	05/06/02	05/07/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
 IDL = Instrument Detection Limit

U = Indicates a result < IDL **0017**  
 B = Indicates a result >= IDL but < RL

Report of Analysis

Client Sample ID: 7125GLM0901	Date Sampled: 05/02/02
Lab Sample ID: F13075-2	Date Received: 05/02/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0009668.D	1	05/13/02	JG	n/a	n/a	VB418
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0018

Report of Analysis

<b>Client Sample ID:</b> 7125GLM0901	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-2	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM0901	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-2	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21693.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0020

## Report of Analysis

Client Sample ID:	7125GLM0901	Date Sampled:	05/02/02
Lab Sample ID:	F13075-2	Date Received:	05/02/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 8310 SW846 3510C		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	AA010651.D	1	05/07/02	MRE	05/06/02	OP5089	GAA490
Run #2							

Run #	Initial Volume	Final Volume
Run #1	920 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	1.2	2.2	ug/l	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	98%		33-141%
92-94-4	p-Terphenyl	85%		31-122%

(a) All hits confirmed by spectral match using a diode array detector.

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Report of Analysis

<b>Client Sample ID:</b> 7125GLM0901	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-2	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20803.D	1	05/08/02	ME	05/06/02	OP5090	GOP771
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.745	0.28	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	100%		55-130%	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0022

Report of Analysis

<b>Client Sample ID:</b> 7125GLM0901	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-2	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.4 B	5.0	1.2	ug/l	1	05/06/02	05/07/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

0023

## Report of Analysis

Client Sample ID: 7125GLM1001  
 Lab Sample ID: F13075-3  
 Matrix: AQ - Ground Water  
 Method: SW846 8260B  
 Project: NTC Orlando-CTO 177/N2815

Date Sampled: 05/02/02  
 Date Received: 05/02/02  
 Percent Solids: n/a

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	B0009635.D	1	05/10/02	JG	n/a	n/a	VB416

Run #1	Purge Volume
Run #2	5.0 ml

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	13.1	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0024

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM1001	
<b>Lab Sample ID:</b> F13075-3	<b>Date Sampled:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/02/02
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

**VOA Special List**

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0025

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM1001	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-3	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21694.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l

**ND** = Not detected  
**RL** = Reporting Limit  
**E** = Indicates value exceeds calibration range

**J** = Indicates an estimated value  
**B** = Indicates analyte found in associated method blank  
**N** = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 7125GLM1001	Date Sampled: 05/02/02
Lab Sample ID: F13075-3	Date Received: 05/02/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 8310 SW846 3510C	
Project: NTC Orlando-CTO 177/N2815	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	AA010652.D	1	05/07/02	MRE	05/06/02	OP5089	GAA490

Run #1	Initial Volume	Final Volume
Run #2	940 ml	1.0 ml

Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%		33-141%
92-94-4	p-Terphenyl	78%		31-122%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0027

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM1001	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-3	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20774.D	1	05/07/02	ME	05/06/02	OP5090	GOP771
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		55-130%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM1001	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-3	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

### Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	3.0 B	5.0	1.2	ug/l	1	05/06/02	05/07/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
 IDL = Instrument Detection Limit

U = Indicates a result < IDL  
 B = Indicates a result >= ~~IDL~~ RL

## Report of Analysis

Client Sample ID: 7125GLMFD01	Date Sampled: 05/02/02
Lab Sample ID: F13075-4	Date Received: 05/02/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0009636.D	1	05/10/02	JG	n/a	n/a	VB416
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	13.3	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0030

Report of Analysis

<b>Client Sample ID:</b> 7125GLMFD01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-4	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0031

## Report of Analysis

<b>Client Sample ID:</b> 7125GLMFD01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-4	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21695.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

**ND** = Not detected  
**RL** = Reporting Limit  
**E** = Indicates value exceeds calibration range

**J** = Indicates an estimated value  
**B** = Indicates analyte found in associated method blank  
**N** = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLMFD01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-4	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 8310 SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA010653.D	1	05/08/02	MRE	05/06/02	OP5089	GAA490
Run #2							

Run #	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		33-141%
92-94-4	p-Terphenyl	79%		31-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0033

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLMFD01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-4	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20775.D	1	05/07/02	ME	05/06/02	OP5090	GOP771
Run #2							

Run #	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		55-130%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> 7125GLMFD01	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-4	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.7 B	5.0	1.2	ug/l	1	05/06/02	05/07/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

0035

## Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	05/02/02
Lab Sample ID:	F13075-5	Date Received:	05/02/02
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0009634.D	1	05/10/02	JG	n/a	n/a	VB416
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0036

## Report of Analysis

<b>Client Sample ID:</b> TRIP BLANK	<b>Date Sampled:</b> 05/02/02
<b>Lab Sample ID:</b> F13075-5	<b>Date Received:</b> 05/02/02
<b>Matrix:</b> AQ - Trip Blank Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0037



# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
 ORLANDO, FL 32811  
 TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:  
 ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION		ANALYTICAL INFORMATION					MATRIX CODES
NAME: <u>TETRA TECH NUS</u>		PROJECT NAME: <u>NTC ORLANDO</u>		TRPH-FL PRO	PAHs	VOCs	EDB	LEAD	DW - DRINKING WATER
ADDRESS: <u>TAMPA FL</u>		LOCATION: <u>BLDG 7125</u>							GW - GROUND WATER
CITY, STATE, ZIP		PROJECT NO.							WW - WASTE WATER
SEND REPORT TO: <u>PAUL CALLIGAN</u>		FAX #							SO - SOIL
PHONE # <u>(813) 806-0202</u>									SL - SLUDGE
				OI - OIL	LIQ - OTHER LIQUID	SOL - OTHER SOLID			

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			MATRIX	# OF BOTTLES	PRESERVATION					TRPH-FL PRO	PAHs	VOCs	EDB	LEAD	LAB USE ONLY
		DATE	TIME	SAMPLED BY:			HCl	NaOH	HNO3	H2SO4	NONE						
	7125GLM0501	5/1/02	12:45	GB	GW	11	✓	✓				X	X	X	X	X	
	7125GLM0701		10:00									X	X	X	X	X	
	7125GLM0801		11:30									X	X	X	X	X	
	7125EQBLK 01		8:00									X	X	X	X	X	
	TRIP BLANK					2								X			

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	COMMENTS/REMARKS
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER APPROVED BY: _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED	<input type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____	

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY**

RELINQUISHED BY SAMPLER: 1. <u>Gary B...</u>	DATE TIME: 5/1/02	RECEIVED BY: 1. <u>[Signature]</u>	RELINQUISHED BY: 2.	DATE TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>

TEMPERATURE          C

## Report of Analysis

Client Sample ID:	7125GLM0501	Date Sampled:	05/01/02
Lab Sample ID:	F13060-1	Date Received:	05/01/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0009543.D	1	05/07/02	JG	n/a	n/a	VC430
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	6.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	10.2	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0501	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-1	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	1.2	3.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM0501	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-1	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21685.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0501	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-1	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 8310 SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA010636.D	1	05/07/02	MRE	05/06/02	OP5089	GAA490
Run #2 <sup>a</sup>	AA010658.D	2	05/08/02	MRE	05/06/02	OP5089	GAA491

Run #	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	970 ml	1.0 ml

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND <sup>b</sup>	8.0	ug/l	
208-96-8	Acenaphthylene	ND <sup>b</sup>	8.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	4.1 <sup>b</sup>	4.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-20-3	Naphthalene	36.1 <sup>b</sup>	4.0	ug/l	
90-12-0	1-Methylnaphthalene	41.4 <sup>b</sup>	4.0	ug/l	
91-57-6	2-Methylnaphthalene	50.9 <sup>b</sup>	4.0	ug/l	
85-01-8	Phenanthrene	ND <sup>b</sup>	4.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%	118%	33-141%
92-94-4	p-Terphenyl	61%	61%	31-122%

(a) All hits confirmed by spectral match using a diode array detector.

(b) Result is from Run# 2

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0501	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-1	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20738.D	2	05/06/02	ME	05/02/02	OP5080	GOP770
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units Q
	TPH (C8-C40)	5.01	0.53	mg/l
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		55-130%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> 7125GLM0501	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-1	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.4 B	5.0	1.2	ug/l	1	05/02/02	05/03/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

0017

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	
<b>Lab Sample ID:</b> F13060-2	<b>Date Sampled:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/01/02
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0009544.D	1	05/07/02	JG	n/a	n/a	VC430
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0018

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-2	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

**VOA Special List**

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**0019**

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-2	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21688.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-2	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 8310 SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA010637.D	1	05/07/02	MRE	05/06/02	OP5089	GAA490
Run #2							

Run #	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2		

### Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.0	ug/l	
208-96-8	Acenaphthylene	ND	4.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	71%		33-141%
92-94-4	p-Terphenyl	44%		31-122%

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-2	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20706.D	1	05/04/02	SKW	05/02/02	OP5080	GOP769
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	101%		55-130%	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> 7125GLM0701	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-2	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	2.2 B	5.0	1.2	ug/l	1	05/02/02	05/03/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
 IDL = Instrument Detection Limit

U = Indicates a result < IDL  
 B = Indicates a result >= IDL but < RL

0023

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0801	
<b>Lab Sample ID:</b> F13060-3	<b>Date Sampled:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 05/01/02
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0009545.D	1	05/07/02	JG	n/a	n/a	VC430
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0024

Report of Analysis

<b>Client Sample ID:</b> 7125GLM0801	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-3	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	100%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0029

**Report of Analysis**

<b>Client Sample ID:</b> 7125GLM0801	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-3	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 504.1 EPA 504	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21689.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	7125GLM0801	Date Sampled:	05/01/02
Lab Sample ID:	F13060-3	Date Received:	05/01/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 8310 SW846 3510C		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA010659.D	1	05/08/02	MRE	05/06/02	OP5089	GAA491
Run #2							

Run #	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	73%		33-141%
92-94-4	p-Terphenyl	50%		31-122%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> 7125GLM0801	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-3	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20707.D	1	05/04/02	SKW	05/02/02	OP5080	GOP769
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	0.836	0.28	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	99%		55-130%	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

<b>Client Sample ID:</b> 7125GLM0801	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-3	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.7 B	5.0	1.2	ug/l	1	05/02/02	05/03/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

0029

## Report of Analysis

Client Sample ID:	7125EQBLK01	Date Sampled:	05/01/02
Lab Sample ID:	F13060-4	Date Received:	05/01/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0009533.D	1	05/07/02	JG	n/a	n/a	VC430
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

0030

## Report of Analysis

<b>Client Sample ID:</b> 7125EQBLK01	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-4	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-120%
17060-07-0	1,2-Dichloroethane-D4	106%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	99%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0051

## Report of Analysis

<b>Client Sample ID:</b>	7125EQBLK01	<b>Date Sampled:</b>	05/01/02
<b>Lab Sample ID:</b>	F13060-4	<b>Date Received:</b>	05/01/02
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	EPA 504.1 EPA 504		
<b>Project:</b>	NTC Orlando-CTO 177/N2815		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AB21690.D	1	05/13/02	NJ	05/13/02	OP5130	GAB794
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0032

## Report of Analysis

Client Sample ID:	7125EQBLK01	Date Sampled:	05/01/02
Lab Sample ID:	F13060-4	Date Received:	05/01/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 8310 SW846 3510C		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA010640.D	1	05/07/02	MRE	05/06/02	OP5089	GAA490
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.4	ug/l	
208-96-8	Acenaphthylene	ND	4.4	ug/l	
120-12-7	Anthracene	ND	2.2	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	2.2	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	2.2	ug/l	
86-73-7	Fluorene	ND	2.2	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	2.2	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.2	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.2	ug/l	
85-01-8	Phenanthrene	ND	2.2	ug/l	
129-00-0	Pyrene	ND	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		33-141%
92-94-4	p-Terphenyl	77%		31-122%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

0033

## Report of Analysis

<b>Client Sample ID:</b> 7125EQBLK01	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-4	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> FLORIDA-PRO SW846 3510C	
<b>Project:</b> NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP20708.D	1	05/04/02	SKW	05/02/02	OP5080	GOP769
Run #2							

Run #	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.28	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	95%		55-130%	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

### Report of Analysis

<b>Client Sample ID:</b> 7125EQBLK01	<b>Date Sampled:</b> 05/01/02
<b>Lab Sample ID:</b> F13060-4	<b>Date Received:</b> 05/01/02
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

#### Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.7 B	5.0	1.2	ug/l	1	05/02/02	05/03/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

0035

## Report of Analysis

Client Sample ID:	TRIP BLANK	Date Sampled:	05/01/02
Lab Sample ID:	F13060-5	Date Received:	05/01/02
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0009532.D	1	05/07/02	JG	n/a	n/a	VC430
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	

0036

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

<b>Client Sample ID:</b> TRIP BLANK	
<b>Lab Sample ID:</b> F13060-5	<b>Date Sampled:</b> 05/01/02
<b>Matrix:</b> AQ - Trip Blank Water	<b>Date Received:</b> 05/01/02
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> NTC Orlando-CTO 177/N2815	

**VOA Special List**

CAS No.	Compound	Result	RL	Units	Q
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	98%		80-120%

0037

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
 ORLANDO, FL 32811  
 TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:  
 ACCUTEST QUOTE #:

CLIENT INFORMATION	FACILITY INFORMATION	ANALYTICAL INFORMATION	MATRIX CODES
NAME: <u>TETRA TECH NUS</u> ADDRESS: _____ CITY: <u>TAMPA</u> STATE: <u>FL</u> ZIP: _____ SEND REPORT TO: <u>PAUL CALLIGAN</u> PHONE #: <u>(813) 806-0202</u>	PROJECT NAME: <u>NTC ORLANDO</u> LOCATION: <u>BLDG 7125</u> PROJECT NO.: _____ FAX #: _____	VOC TRPH - FL PRO PAH - 8310 EDB LEAD	DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION		SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION					LAB USE ONLY					
		DATE	TIME				HCl	NaOH	HNO3	H2SO4	NONE						
	7125GLM06R01	5/2/02	11:45	RB	GW							X	X	X	X	X	
	7125GLM0901		10:45									X	X	X	X	X	
	7125GLM1001		9:30									X	X	X	X	X	
	7125GLMFD01											X	X	X	X	X	
	TRIP BLANK											X					

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	COMMENTS/REMARKS
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ APPROVED BY: _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED	<input type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____	_____ _____ _____

**SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY**

RELINQUISHED BY: SAMPLER: 1. <u>Ray Braganza</u>	DATE TIME: 5/2/02 14:00	RECEIVED BY: 1. <u>Miranda B...</u>	RELINQUISHED BY: 2.	DATE TIME:	RECEIVED BY: 2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>

TEMPERATURE 25.0 C

## Report of Analysis

Client Sample ID: 7125GLM0901	Date Sampled: 07/29/02
Lab Sample ID: F14021-1	Date Received: 07/29/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B0010944.D	1	08/11/02	JG	n/a	n/a	VB483
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 7125GLM0901	Date Sampled: 07/29/02
Lab Sample ID: F14021-1	Date Received: 07/29/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		80-120%
17060-07-0	1,2-Dichloroethane-D4	101%		80-120%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	104%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: 7125GLM0901	Date Sampled: 07/29/02
Lab Sample ID: F14021-1	Date Received: 07/29/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 504.1 EPA 504	
Project: NTC Orlando-CTO 177/N2815	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ST15713.D	1	08/01/02	NF	07/31/02	OP5593	GST587
Run #2							

CAS No.	Compound	Result	RL	Units	Q
106-93-4	1,2-Dibromoethane	ND	0.020	ug/l	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID:	7125GLM0901	Date Sampled:	07/29/02
Lab Sample ID:	F14021-1	Date Received:	07/29/02
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 8310 SW846 3510C		
Project:	NTC Orlando-CTO 177/N2815		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA011489.D	1	08/06/02	MRE	08/02/02	OP5611	GAA534
Run #2							

Run #	Initial Volume	Final Volume
Run #1	990 ml	1.0 ml
Run #2		

## Polynuclear Aromatic Hydrocarbons

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	4.0	ug/l	
208-96-8	Acenaphthylene	ND	4.0	ug/l	
120-12-7	Anthracene	ND	2.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	2.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	2.0	ug/l	
86-73-7	Fluorene	ND	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-20-3	Naphthalene	ND	2.0	ug/l	
90-12-0	1-Methylnaphthalene	ND	2.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	2.0	ug/l	
85-01-8	Phenanthrene	ND	2.0	ug/l	
129-00-0	Pyrene	ND	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	78%		33-141%
92-94-4	p-Terphenyl	79%		31-122%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: 7125GLM0901 Lab Sample ID: F14021-1 Matrix: AQ - Ground Water Method: FLORIDA-PRO SW846 3510C Project: NTC Orlando-CTO 177/N2815	Date Sampled: 07/29/02 Date Received: 07/29/02 Percent Solids: n/a
--	--

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	OP22529.D	1	08/05/02	ME	08/03/02	OP5615	GOP818
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH (C8-C40)	ND	0.26	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	97%		55-130%	

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

# Report of Analysis

Client Sample ID: 7125GLM0901	Date Sampled: 07/29/02
Lab Sample ID: F14021-1	Date Received: 07/29/02
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: NTC Orlando-CTO 177/N2815	

## Metals Analysis

Analyte	Result	RL	IDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lead	1.3 B	5.0	1.2	ug/l	1	07/31/02	08/01/02 DM	SW846 6010B	SW846 3010A

RL = Reporting Limit  
IDL = Instrument Detection Limit

U = Indicates a result < IDL  
B = Indicates a result >= IDL but < RL

## Report of Analysis

Client Sample ID:	7125TPBLK01	Date Sampled:	07/29/02
Lab Sample ID:	F14021-2	Date Received:	07/29/02
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	NTC Orlando-CTO 177/N2815		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	B0010945.D	1	08/11/02	JG	n/a	n/a	VB483

Run #1	Purge Volume
Run #2	5.0 ml

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
74-83-9	Methyl bromide	ND	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
79-01-6	Trichloroethylene	ND	1.0	ug/l	

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

Client Sample ID: 7125TPBLK01	Date Sampled: 07/29/02
Lab Sample ID: F14021-2	Date Received: 07/29/02
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8260B	
Project: NTC Orlando-CTO 177/N2815	

## VOA Special List

CAS No.	Compound	Result	RL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	100%		80-120%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	103%		80-120%

ND = Not detected  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

