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SECOND QUARTER 2003 GROUNDWATER SAMPLING REPORT FOR OPERABLE UNIT 2 (OU 2) NTC ORLANDO FL

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Second Quarter 2003

GROUNDWATER SAMPLING OPERABLE UNIT 2

Naval Training Center
Orlando, Florida

Southern Division
Naval Facilities Engineering Command

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TABLE OF CONTENTS

SECTION **PAGE**

1. INTRODUCTION 1

2. FIELD ACTIVITIES 1
2.1. WATER LEVEL SURVEY 1
2.2. SAMPLING 1
2.3. PROBLEMS ENCOUNTERED 2

3. RESULTS 3
3.1. WATER LEVEL SURVEY 3
3.2. DATA VALIDATION 3
3.3. ANALYTICAL RESULTS 4
3.4. NATURAL ATTENUATION EVALUATION 5

4. REFERENCES 8

TABLES

Table 1: Water-Level Elevations Summary T-1
Table 2: Natural Attenuations Parameter Results T-2
Table 3: Detections in Groundwater T-3
Table 4: Detections in Surface Water T-4
Table 5: Historical Detections in Groundwater T-5
Table 6: Historical Detections in Surface Water T-6
Table 7: Validated Groundwater Analytical Results T-7
Table 8: Validated Surface Water Analytical Results T-8

FIGURES

Figure 1: Groundwater Potentiometric Surface Map, Shallow Aquifer Zone – June 2003 ..... F-1
Figure 2: Groundwater Potentiometric Surface Map, Deep Aquifer Zone – June 2003 ..... F-2
Figure 3: Groundwater Exceedances, Shallow Aquifer Zone F-3
Figure 4: Groundwater Exceedances, Intermediate and Hawthorn Aquifer Zones F-4

APPENDICES

Appendix A: June 2003 Groundwater-Sampling Logs .....

GROUNDWATER SAMPLING AT OPERABLE UNIT 2
NAVAL TRAINING CENTER, ORLANDO
JUNE 2003

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PERIOD OF PERFORMANCE:	April 1 - June 21, 2003
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CONTRACT NUMBER:	N62467-02-R-0352
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TASK ORDER MANAGER:	James L. Young, P.G.; REM
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1. INTRODUCTION

Quarterly groundwater sampling was conducted at NTC – Orlando, Operable Unit 2 (OU2) in June 2003. The fieldwork was performed in accordance with the *Work Plan for Long Term Monitoring Services: Former Naval Training Center, Orlando, FL* (Terraine, Inc, 2003).

2. FIELD ACTIVITIES

Terraine, Inc. mobilized to the field on June 18, 2003, to perform quarterly sampling at NTC – Orlando OU2.

2.1. WATER LEVEL SURVEY

Groundwater levels were measured in all wells and piezometers on June 18, 2003. Groundwater elevations for this field event and previous events are summarized in ***Table 1***. Staff gauge readings were also taken on June 18, 2003, and are summarized in ***Table 1***.

2.2. SAMPLING

Groundwater sampling was conducted at OU2 from June 19 to 21, 2003. Twenty wells were purged and sampled using the low-flow method described in the work plan. Purging of wells consisted of removing groundwater with a peristaltic pump at a flow rate of approximately 100 ml/min until field parameters (temperature, pH, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential) had stabilized. Water levels in the 2-inch wells were continuously monitored to maintain drawdown at less than 0.3 foot. In the 0.5-inch micro wells, the small diameter of the well casing

prevented simultaneous measurement of the depth to water during purging. Groundwater sampling logs are included in ***Appendix A***.

Groundwater samples were analyzed for VOC (Volatile Organic Compounds), and iron and manganese using methods SW 846 8260B, and SW 846 6010 B, respectively. VOC samples were collected by the tube evacuation method. All groundwater samples were analyzed for Natural Attenuation (NA) parameters[1]

Eight surface water samples were collected and analyzed for VOC, iron and manganese, and chloride using methods SW 846 8260B, SW 846 6010B, and USEPA 300, respectively.

Samples for biogenic gases and hydrogen gas were sent to Vaportech Services in Valencia, Pennsylvania for analysis. All other samples were placed in ice-chilled coolers and hand-delivered to the Test America laboratory located in Orlando.

2.3. PROBLEMS ENCOUNTERED

Turbidity continued to be a problem in several OU2 wells. Turbidity was greater than 10 NTUs in 7 of the 18 wells that were sampled.

Due to late delivery of the dissolved oxygen (DO) and total sulfide Hach test kits, no wells sampled were analyzed for DO, and groundwater from wells OLD-OU2-03B, OLD-OU2-03A, OLD-OU2-02B, and OLD-OU2-02A was not analyzed for total sulfide.

Due to filtering errors in the field, groundwater sampled from all wells was analyzed for total organic carbon rather than dissolved organic carbon.

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[1] NA parameters include :

Alkalinity by E310.1,

Cations &Anions (NO2, NO3, NH4, Cl, PO4, SO4) by EPA 300 series

Dissolved Organic Carbon by EPA415.1

Biogenic Gases (H2, DO, CO2, N2, Ethane, Ethane, Methane)

Carbon Dioxide, DO, Ferrous Iron, Hydrogen Sulfide, and Total Sulfide by Hach test kits

Because of a pH meter malfunction, pH readings were not taken for groundwater sampled from wells OLD-OU2-33A, OLD-OU2-21B and OLD-OU2-21A.

3. RESULTS

3.1. WATER LEVEL SURVEY

Groundwater elevation data for OU2 are presented in ***Table 1*** and the potentiometric surface contours for the shallow and intermediate aquifer zones are presented in ***Figures 1 and 2***. Groundwater flow in the surficial aquifer at OU2 contains both horizontal and vertical components. Away from the canals that are present along the eastern and portions of the southern and western boundaries of the site, the gradients are small and groundwater flows both horizontally and downward. Close to the canals, the horizontal gradient increases and the vertical gradient reverses (i.e., becomes upward) as groundwater is discharged into the canals. The horizontal groundwater flow direction in the Intermediate Zone of the aquifer is very similar to that in the shallow portion. The flow direction in the deep Hawthorn Zone is generally toward the southwest and is thought to be independent from the Shallow and Intermediate Zones of the surficial aquifer. These flow directions are consistent with those reported earlier (TetraTech NUS, Inc., (TtNUS) 001, 2002b, 2002c, 2002d, and 2003a).

3.2. DATA VALIDATION

A cursory review of quality control data was performed. This review evaluated data completeness, holding time compliance, laboratory blank contamination and detection limits. The validation process results in qualifiers that are shown with the analyte concentrations in ***Tables 2 through 8***.

3.3. ANALYTICAL RESULTS

The analyte detections for this second quarter of sampling are summarized in ***Table 3*** for groundwater and ***Table 4*** for surface water. The historical detections are compiled in ***Tables 5 and 6*** for groundwater and surface water, respectively. Validated groundwater analytical data for the June 2003 sampling event are included as ***Table 7***. Shaded cells indicate concentrations equal to or greater than Florida Groundwater Cleanup Target Levels (GCTL) (FDEP, 1999) or established background concentrations (ABB-ES, 1995). Validated surface water analytical data for this event are included in ***Table 8***. Again, shaded cells indicate concentrations equal to or greater than Florida Surface Water Cleanup Target Levels (SWCTL) (FDEP, 1999). The distributions of contaminants detected above these criteria are shown on ***Figures 3 and 4***.

Some historical groundwater data provided in the tables and tag maps are Phase III results from the OU2 Remedial Investigation (TtNUS, 2001). If a well was not sampled during Phase III, data from Phase II are provided. Historical exceedances of inorganics from high turbidity wells are not shown on the tag maps, but a note refers the reader to the Remedial Investigation Report. Historical exceedances of organics in high turbidity wells are shown on the exceedances maps. If there is an exceedance of a screening criterion in the current quarter, it is shown on the maps along with historical data. If there was an historical exceedance (excluding inorganics in high-turbidity wells) it is shown along with current data.

There are three groundwater contaminant plumes within OU2, one in the northern section of the site, and two to the south. The North Plume is identified by well pairs (A and B wells) OLD-OU2-02, OLD-OU2-03, OLD-OU2-29 and OLD-OU2-30. Well pairs OLD-OU2-21, OLD-OU2-27 and OLD-OU2-31 define the Upper South Plume, and well pairs OLD-OU2-18, OLD-OU2-21, OLD-OU2-32, OLD-OU2-33, and OLD-DPO2 define the Lower South Plume. Although the southern plumes are discrete, well pair OLD-OU2-21 serves as the up-gradient (background) pair for both plumes.

Iron was detected above the screening criterion in most of the wells sampled and in all wells sampled in the Northern Plume area. Manganese was also found above the screening criterion in four of the wells in this area. Benzene was detected slightly above the screening criterion in two wells (OLD-OU2-03A and OLD-OU2-30B) in the Northern Plume area (3.2 µg/L and 1.54 µg/L, respectively). Vinyl chloride was detected slightly above the screening criterion in one well (OLD-OU2-03A) in the Northern Plume area (1.72 µg/L). No other organic constituent exceeded the screening criteria in the Northern Plume area.

Benzene, trichloroethene (TCE), tetrachloroethene (PCE), and vinyl chloride were the primary VOC detected in the Southern Plumes (***Figures 3 and 4***). TCE exceeded its screening criterion in three wells (OLD-OU2-18B, -DP02A and -33B) in the area; benzene exceeded its criterion in five wells (OLD-OU2-27A, -27B, -31B, -DPO2A and -33B); and vinyl chloride exceeded the screening criterion in five wells (OLD-OU2-27A, -27B, -18B, -DP02A and -33B) (***Figures 3 and 4***). PCE was found above the GCTL in only two wells (OLD-OU2-18B and -32B). The maximum concentration of TCE (4390J µg/L) was also found in well OLD-OU2-18B. The maximum benzene concentration was 23 µg/L in well OLD-OU2-27B, and the maximum vinyl chloride concentration was 58.9 µg/L in well OLD-OU2-18B (***Figure 4***). In general, COC concentrations have decreased in comparison to 1st quarter, 2003, however laboratory reports indicate increasing TCE concentrations in groundwater sampled from wells OLD-OU2-18B and -DPO2A in comparison to the previous sampling event. Benzene concentrations have increased in groundwater sampled from wells OLD-OU2-33B, and 31B. Vinyl chloride and PCE concentrations have increased in groundwater sampled from well OLD-OU2-18B.

Laboratory results indicate iron concentrations exceeding the screening criteria in surface water sample OLD-OU2-SW35. There were no other exceedances detected in any of the seven other surface water samples collected in the drainage canals (see ***Figure 3***).

3.4. NATURAL ATTENUATION EVALUATION

Groundwater samples collected at the site during the June 2003 sampling event were analyzed for Natural Attenuation (NA) indicator parameters to investigate the occurrence of conditions favorable for NA of the contaminants of concern (COC) in the aquifer. The NA data are presented in ***Table 2***. The June 2003 sample results indicate relatively low concentrations of the COC in the shallow and intermediate portions of the aquifer in the Northern Plume area, however laboratory reports indicate benzene concentrations exceeding GCTL in groundwater sampled from two wells (OLD-OU2-03A AND -30B). In the shallow and intermediate portion of the aquifer in the Southern Plume area, concentrations of the COC exceeded GCTL at seven well locations (OLD-OU2-18B, -27A -27B, -31B, -32B, –33B, and –DPO2A) (see Figure 4). The concentrations of organics in the intermediate portion of the aquifer were significantly higher than in the shallow portion of the aquifer.

The following discussion summarizes the NA indicator parameters that suggest that natural biodegradation of the organic COC is occurring in the aquifer. The data are presented separately for the shallow and intermediate aquifer depths, and only the key indicator parameter for wells located

along the longitudinal axes of the northern and southern plume areas of OU2 are presented. As indicated in the following tables, the southern plume consists of two plume areas.

NA Parameter Summary - Shallow Aquifer (June 2003)

	Well[a]	DO mg/L	ORP mV	NO3 mg/L	Diss. Fe mg/L	SO4 mg/L	CH4 µg/L	H nm/L	Ethene µg/L	Ethane µg/L	Cl mg/L
North Plume	29A	0.0	-95	0.025	5	47.6	156.2	2.5	0.05	<0.01	50.6
	30A	0.73	14	0.036	1.8	65.1	371	2.4	0.01	<0.01	77
	03A	0.00	-220	<0.02	3	5.68	4195.8	2.6	0.13	0.02	30.9
	02A	0.55	-119	0.032	3.2	13.5	4552.2	2.2	<0.01	<0.01	47.9
South Plume	21A	0.62	22	0.029	0.2	<5	8	1.5	<0.01	<0.01	11.8
	27A	4.55	-104	0.023	2.4	35.2	253.8	2.4	1.43	0.3	19.7
	31A	0.42	159	<0.02	0.8	5.86	22	1.9	0.06	<0.01	<5
South Plume	21A	0.62	22	0.029	0.2	<5	8	1.5	<0.01	<0.01	11.8
	32A	0.9	-7	0.032	0.2	<5	90.3	2.4	<0.01	<0.01	<5
	33A	0.24	-13	0.3	0.6	9.48	371	2.8	0.04	<0.01	<5
	DPO2A	0.29	-97	<0.02	2	6.49	1525.5	1.7	2.28	0.56	11.2

a) Wells shown represent up-gradient, in-plume, and down-gradient wells, respectively along each plume axis.

NA Parameter Summary - Intermediate Aquifer (June 2003)

	Well[a]	DO mg/L	ORP mV	NO3 mg/L	Diss. Fe mg/L	SO4 mg/L	CH4 µg/L	H nm/L	Ethene µg/L	Ethane µg/L	Cl mg/L
North Plume	29B	0.0	-121	<.02	2.8	<5	344.2	2	0.05	0.02	13.6
	30B	0.0	-108	0.029	2.2	10.8	4154.3	2.4	0.18	0.07	90.3
	03B	0.0	-143	0.027	3.0	6.57	1632.9	2.2	0.02	0.03	50.8
	02B	0.83	-76	0.032	2.6	13.5	219.7	2	<0.01	<0.01	47.9
South Plume	21B	0.0	-110	0.028	2	<5	5450.4	2	0.06	0.29	18.6
	27B	6.09	-142	0.028	2.4	15.1	3195.1	3.6	1.14	0.37	35.7
	31B	2.87	-87	0.032	2.5	29.1	466.2	1.6	0.67	0.4	15.6
South Plume	21B	0.0	-110	0.028	2	<5	5450.4	2	0.06	0.29	18.6
	32B	0.0	-95	<.02	2	<5	239.2	2.7	0.42	0.01	5.31
	33B	0.0	-126	0.041	2.6	11.6	1420.6	2.4	0.54	0.47	12
	18B	4.99	-145	0.038	1.8	<5	1798.9	1.8	10.38	0.37	9.2

a) Wells shown represent up-gradient, in-plume, and down-gradient wells, respectively along each plume axis.

- The concentration of Dissolved Oxygen (DO) in groundwater across the plumes was typically less than 1.0 mg/L. Air bubbles in the pump tubing are suspected of causing high DO in wells OLD-OU2-18B, -31B, -27B, and 27A. Typically, DO concentrations below 1.0 mg/L indicate conditions that tend to favor anaerobic reactions. The oxidation–reduction potential (ORP) of the aquifer was within the range favorable for anaerobic reactions (i.e., less than 250 millivolts) at every location. For most plume areas, the ORP in the intermediate portion of the aquifer was within the negative range, between -76 and -145 millivolts, which indicates reducing conditions.

- Ferrous Iron (i.e., Dissolved Iron) concentrations were relatively high (typically .2 to 3 mg/L) at the in-plume wells and typically lower at the up-gradient wells. The presence of ferrous iron indicates reducing conditions in the aquifer, and the possibility of anaerobic oxidation of cis-1,2-DCE and vinyl chloride. Consequently, these daughter products may be unlikely to accumulate in the aquifer.

- Concentrations of sulfate were generally less than 20 mg/L, but several exceptions were noted in both the shallow and intermediate portion of the aquifer (wells 30A, 27A, 29A, and 31B). The relatively low sulfate concentrations indicate the compound is unlikely to inhibit the reductive dechlorination of TCE.

- The concentration of methane in many of the plume wells in the shallow (North Plume) and intermediate portion of the aquifer was greater than 500 µg/L. The presence of methane indicates anaerobic conditions in the aquifer and the possibility of complete TCE reductive dechlorination.

- The concentration of hydrogen in groundwater ranged between 1.6 to 3.6 nanomoles-per-liter (nm/L) in all wells. The plume-well concentrations are characteristic of redox conditions that favor sulfate reduction and confirm the reducing conditions in the aquifer.

In summary, the groundwater chemistry across the plume areas is generally indicative of anaerobic conditions that favor reductive dechlorination of chlorinated chemicals such as PCE, TCE, and DCE that are COC. In addition, benzene may be used as an electron donor and thus destroyed during this process. The presence of ferrous iron favors in situ destruction of vinyl chloride. The transition zone from the aquifer to the canal appears to facilitate geochemical conditions that prevent the discharge of COC to surface water.

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TABLES

Table 1	*Water-Level Elevations Summary*
Table 2	*Natural Attenuation Parameter Results*
Table 3	*Detections in Groundwater*
Table 4	*Detections in Surface Water*
Table 5	*Historical Detections in Groundwater*
Table 6	*Historical Detections in Surface Water*
Table 7	*Validated Groundwater Analytical Results*
Table 8	*Validated Surface Water Analytical Results*

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 4/13/98[b]	Water Elevation on 4/13/98[a]	Depth-to-Water on 4/29/98[b]	Water Elevation on 4/29/98[a]	Depth-to-Water on 8/4/98[b]	Water Elevation on 8/4/98[a]	Depth-to-Water on 12/11/01[b]	Water Elevation on 12/11/01[a]	Depth-to-Water on 3/23/02[b]	Water Elevation on 3/23/02[a]
SHALLOW PIEZOMETERS													
P1	P	5-15	90.44	3.80	87.62	4.61	86.81	3.81	87.61	NM	NM	5.26	85.18
P2	P	5-15	89.15	5.23	84.90	5.66	84.47	5.20	84.93	NM	NM	6.21	82.94
P3 S	P	8-18	91.23	4.66	87.55	5.47	86.74	3.90	88.31	NM	NM	NM	NM
P4	P	5-15	87.40	2.72	85.66	3.65	84.73	3.34	85.04	NM	NM	4.99	82.41
P5	P	7-17	92.50	6.54	86.94	7.40	86.08	7.75	85.73	NM	NM	8.88	83.62
P6	P	7-17	93.14	8.40	85.72	9.16	84.96	9.21	84.91	NM	NM	10.8	82.34
P7	P	7-17	92.71	NM	NM	7.14	86.55	6.43	87.26	NM	NM	NM	NM
P8 N	P	7-17	92.81	6.74	87.05	7.12	86.67	7.09	86.70	NM	NM	7.44	85.37
P9	P	5-15	89.09	4.90	85.17	5.25	84.82	4.85	85.22	NM	NM	5.54	83.55
P10	P	5-15	90.66	3.56	88.08	4.35	87.29	5.70	85.94	NM	NM	5.79	84.87
P11	P	8-18	91.21	5.10	87.09	7.61	84.58	7.75	84.44	NM	NM	8.14	83.07
P12	P	8-18	89.84	6.26	84.56	7.02	83.80	NM	NM	NM	NM	Buried	Buried
P13	P	7-17	90.31	6.50	84.79	7.30	83.99	6.87	84.42	NM	NM	8.51	81.80
P14 E	P	5-15	88.32	2.80	86.50	3.74	85.56	4.46	84.84	NM	NM	5.48	82.84
P15	P	5-15	89.98	3.71	87.25	4.42	86.54	4.45	86.51	NM	NM	4.97	85.01
P16	P	5-15	91.14	6.86	85.26	7.43	84.69	7.17	84.95	NM	NM	7.85	83.29
P17	P	7-17	93.86	6.67	88.17	7.75	87.09	9.95	84.89	NM	NM	Destroyed	Destroyed
P18	P	8-18	95.27	11.40	84.85	12.50	83.75	14.82	81.43	NM	NM	14.34	80.93
P19	P	7-17	91.82	6.82	85.98	7.62	85.18	8.60	84.20	NM	NM	8.96	82.86
P20	P	5-15	90.42	5.72	85.68	6.31	85.09	6.70	84.70	NM	NM	6.92	83.50
P21 N	P	7-17	92.32	11.40	81.90	12.20	81.10	13.45	79.85	NM	NM	13.17	79.15
P22 S	P	7-17	91.09			5.46	86.61	4.65	87.42	NM	NM	NM	NM
P23	P	7-17	92.50			6.00	87.48	9.02	84.46	NM	NM	8.32	84.18
SHALLOW MONITORING WELLS													
OLD-OU2-01A	2" well	4-14	90.06					7.12	83.92	8.05	82.01	Replaced (34A)	Replaced (34A)
OLD-OU2-02A	2" well	7-17	91.55					8.90	83.63	9.76	81.79	10.31	81.24
OLD-OU2-03A	2" well	7-17	89.21					6.13	84.06	7.36	81.85	7.69	81.52
OLD-OU2-04A	2" well	8-18	87.88					5.42	83.44	NM	NM	8.92	78.96
OLD-OU2-05A	2" well	8-18	91.93					10.19	82.72	11.31	80.62	11.61	80.32
OLD-OU2-06A	2" well	7-17	89.36					6.79	83.57	7.95	81.41	8.32	81.04
OLD-OU2-07A	2" well	6-16	89.72					8.18	82.52	NM	NM	Replaced (36A)	Replaced (36A)
OLD-OU2-08A	2" well	8-18	91.50					8.70	83.78	9.20	82.30	9.41	82.09
OLD-OU2-09A	2" well	7-17	91.78					7.88	84.88	8.72	83.06	8.84	82.94
OLD-OU2-10A	2" well	5-15	90.08					4.60	86.46	NM	NM	4.63	85.45
OLD-OU2-11A	2" well	7-17	**92.13**					8.75	84.35	9.30	82.83	9.44	82.69
OLD-OU2-12A	2" well	5-15	90.54					7.40	84.12	8.25	82.29	8.43	82.11
OLD-OU2-13A	2" well	4-14	91.11					7.19	84.90	NM	NM	8.22	82.89
OLD-OU2-14A	2" well	5-15	90.10					7.38	83.70	8.25	81.85	8.46	81.64
OLD-OU2-15A	2" well	5-15	90.62					6.60	85.00	NM	NM	6.75	83.87
OLD-OU2-16A	2" well	4-14	90.44					6.40	85.02	NM	NM	5.77	84.67
OLD-OU2-17A	2" well	4-14	90.26					7.05	84.19	NM	NM	7.66	82.60
OLD-OU2-18A	2" well	4-14	90.20					8.27	82.91	8.45	81.75	8.58	81.62
OLD-OU2-19A	2" well	4-14	89.54					7.93	82.59	NM	NM	8.59	80.95
OLD-OU2-20A	2" well	5-15	90.93					10.65	81.26	9.14	81.79	9.9	81.03
OLD-OU2-21A	2" well	7-17	93.79					11.35	83.42	9.34	84.45	10.73	83.06
OLD-OU2-22A	2" well	7-17	91.43					4.85	87.56	5.87	85.56	6.16	85.27
OLD-OU2-27A	2" well	6-16	95.31							11.35	83.96	12.93	82.38

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 6/18/02[b]	Water Elevation on 6/18/02[a]	Depth-to-Water on 9/10/02[b]	Water Elevation on 9/10/02[a][c]	Depth-to-Water on 12/14/02[b]	Water Elevation on 12/14/02[a]	Depth-to-Water 6/18/03 (b)	Water Elevation on 6/18/03 (a)
SHALLOW PIEZOMETERS											
P1	P	5-15	90.44	NM	NM	2.36	88.08	NM	NM	Bentonite plugged	Bentonite plugged
P2	P	5-15	89.15	NM	NM	3.87	85.28	2.95	86.20	NM	NM
P3 S	P	8-18	91.23	NM	NM	NM	NM	2.35	88.88	NM	NM
P4	P	5-15	87.40	NM	NM	1.27	86.13	0.61	86.79	Bentonite plugged	Bentonite plugged
P5	P	7-17	92.50	NM	NM	4.86	87.64	4.34	88.16	7.19	85.31
P6	P	7-17	93.14	NM	NM	6.61	86.53	5.60	87.54	9.60	83.54
P7	P	7-17	92.71	NM	NM	4.99	87.72	3.76	88.95	6.57	86.14
P8 N	P	7-17	92.81	NM	NM	destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
P9	P	5-15	89.09	NM	NM	3.32	85.77	2.34	86.75	4.83	84.26
P10	P	5-15	90.66	5.24	85.42	1.62	89.04	1.28	89.38	3.84	86.82
P11	P	8-18	91.21	NM	NM	NM	NM	3.97	87.24	7.01	84.20
P12	P	8-18	89.84	Buried	Buried	Buried	Buried	Buried	Buried	Buried	Buried
P13	P	7-17	90.31	NM	NM	4.77	85.54	3.66	86.65	6.89	83.42
P14 E	P	5-15	88.32	5.81	82.51	1.23	87.09	0.71	87.61	3.65	84.67
P15	P	5-15	89.98	6.41	83.57	1.62	88.36	0.87	89.11	4.65	85.33
P16	P	5-15	91.14	7.96	83.18	5.22	85.92	4.21	86.93	7.34	83.80
P17	P	7-17	93.86	Destroyed	Destroyed	Destroyed	destroyed	destroyed	destroyed	destroyed	destroyed
P18	P	8-18	95.27	15.17	80.10	9.75	85.52	9.55	85.72	12.67	82.60
P19	P	7-17	91.82	9.81	82.01	4.57	87.25	3.99	87.83	7.68	84.14
P20	P	5-15	90.42	7.96	82.46	3.82	86.60	2.64	87.78	6.70	83.72
P21 N	P	7-17	92.32	13.24	79.08	10.89	81.43	10.85	81.47	12.68	79.64
P22 S	P	7-17	91.09	NM	NM	3.89	87.20	3.15	87.94	11.33	79.76
P23	P	7-17	92.50	9.40	83.10	4.25	88.25	3.72	88.78	6.48	86.02
SHALLOW MONITORING WELLS											
OLD-OU2-01A	2" well	4-14	90.06	Replaced (34A)	Replaced (34A)	Replaced (34A)	Replaced (34A)	5.17	84.89	NM	NM
OLD-OU2-02A	2" well	7-17	91.55	10.52	81.03	7.89	83.66	6.80	84.75	9.55	82.00
OLD-OU2-03A	2" well	7-17	89.21	7.22	81.99	4.78	84.43	3.90	85.31	6.56	82.65
OLD-OU2-04A	2" well	8-18	87.88	8.96	78.92	NM	NM	2.93	84.95	5.70	82.18
OLD-OU2-05A	2" well	8-18	91.93	11.63	80.30	9.34	82.59	8.66	83.27	10.83	81.10
OLD-OU2-06A	2" well	7-17	89.36	8.48	80.88	5.25	84.11	4.73	84.63	6.72	82.64
OLD-OU2-07A	2" well	6-16	89.72	Replaced (36A)	Replaced (36A)	Replaced (36A)	Replaced (36A)	Replaced (36A)	Replaced (36A)	Replaced (36A)	Replaced (36A)
OLD-OU2-08A	2" well	8-18	91.50	9.43	82.07	7.75	83.75	7.19	84.31	8.90	82.60
OLD-OU2-09A	2" well	7-17	91.78	9.05	82.73	6.48	85.30	4.9	86.88	8.33	83.45
OLD-OU2-10A	2" well	5-15	90.08	5.81	84.27	1.87	88.21	1.35	88.73	5.23	84.85
OLD-OU2-11A	2" well	7-17	**92.13**	9.39	82.74	7.11	85.02	5.47	86.66	8.66	83.47
OLD-OU2-12A	2" well	5-15	90.54	8.12	82.42	6.34	84.20	5.13	85.41	7.61	82.93
OLD-OU2-13A	2" well	4-14	91.11	8.24	82.87	5.81	85.30	4.82	86.29	7.65	83.46
OLD-OU2-14A	2" well	5-15	90.10	8.39	81.71	6.14	83.96	4.87	85.23	7.55	82.55
OLD-OU2-15A	2" well	5-15	90.62	7.47	83.15	3.44	87.18	2.21	88.41	6.39	84.23
OLD-OU2-16A	2" well	4-14	90.44	7.17	83.27	2.12	88.32	1.39	89.05	5.72	84.72
OLD-OU2-17A	2" well	4-14	90.26	7.76	82.50	4.98	85.28	3.85	86.41	7.33	82.93
OLD-OU2-18A	2" well	4-14	90.20	8.78	81.42	5.68	84.52	4.7	85.50	7.71	82.49
OLD-OU2-19A	2" well	4-14	89.54	8.89	80.65	6.03	83.51	5.32	84.22	8.20	81.34
OLD-OU2-20A	2" well	5-15	90.93	10.54	80.39	5.62	85.31	4.88	86.05	8.20	82.73
OLD-OU2-21A	2" well	7-17	93.79	11.89	81.90	5.52	88.27	4.82	88.97	8.63	85.16
OLD-OU2-22A	2" well	7-17	91.43	5.33	86.10	4.52	86.91	3.84	87.59	4.90	86.53
OLD-OU2-27A	2" well	6-16	95.31	13.66	81.65	8.2	87.11	9.61	85.70	11.05	84.26

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 4/13/98[b]	Water Elevation on 4/13/98[a]	Depth-to-Water on 4/29/98[b]	Water Elevation on 4/29/98[a]	Depth-to-Water on 8/4/98[b]	Water Elevation on 8/4/98[a]	Depth-to-Water on 12/11/01[b]	Water Elevation on 12/11/01[a]	Depth-to-Water on 3/23/02[b]	Water Elevation on 3/23/02[a]
SHALLOW MONITORING WELLS (Cont.)													
OLD-OU2-28A	2" well	6-16	94.53							12.21	82.32	13.11	81.42
OLD-OU2-29A	1" well	5-15	**86.99**							NM	NM	3.65	83.34
OLD-OU2-30A	1" well	5-15	**88.68**							NM	NM	5.84	82.84
OLD-OU2-31A	1" well	5-15	**93.81**							NM	NM	11.72	82.09
OLD-OU2-32A	1" well	5-15	**93.94**							NM	NM	12.18	81.76
OLD-OU2-33A	1" well	5-15	**93.70**							NM	NM	12.45	81.25
OLD-OU2-34A	1" well	5-15	**90.06**							NM	NM	8.2	81.86
OLD-OU2-36A	1" well	5-15	**89.67**							NM	NM	9.24	80.43
OLD-OU2-DP01A	1 1/4" well	4-8	82.68							2.16	80.52	2.27	80.41
OLD-OU2-DP02A	1 1/4" well	4-8	82.53							2.64	79.89	2.56	79.97
INTERMEDIATE PIEZOMETERS													
P21 S	P	47-52	92.34	11.72	81.60	12.00	81.32	12.75	80.57	NM	NM	12.89	79.45
INTERMEDIATE MONITORING WELLS													
OLD-OU2-01B	2" well	24-29	90.05					6.32	84.71	7.57	82.48	7.84	82.21
OLD-OU2-02B	2" well	27-32	91.77					8.33	84.42	9.55	82.22	10.13	81.64
OLD-OU2-03B	2" well	27-32	89.17					5.89	84.26	7.06	82.11	7.65	81.52
OLD-OU2-04B	2" well	27-32	87.90					5.48	83.40	NM	NM	7.1	80.80
OLD-OU2-05B	2" well	41-46	92.05					9.70	83.33	10.66	81.39	11.15	80.90
OLD-OU2-06B	2" well	36-41	88.91					7.18	82.71	4.36	84.55	Replaced (35B)	Replaced (35B)
OLD-OU2-07B	2" well	26-31	89.73					6.70	84.01	NM	NM	7.7	82.03
OLD-OU2-08B	2" well	35-40	91.44					8.60	83.82	9.08	82.36	9.31	82.13
OLD-OU2-09B	2" well	35-40	91.83					8.00	84.81	8.74	83.09	8.92	82.91
OLD-OU2-10B	2" well	31-36	90.28					5.85	85.41	NM	NM	4.9	85.38
OLD-OU2-11B	2" well	30-35	92.35					8.59	84.70	9.05	83.30	Replaced (37B)	Replaced (37B)
OLD-OU2-12B	2" well	30-35	90.40					NM	NM	8.10	82.30	8.24	82.16
OLD-OU2-13B	2" well	26-31	91.08					7.18	84.88	NM	NM	8.21	82.87
OLD-OU2-14B	2" well	29-34	89.98					7.24	83.72	8.10	81.88	8.32	81.66
OLD-OU2-15B	2" well	35-40	90.56					5.90	85.64	NM	NM	6.71	83.85
OLD-OU2-16B	2" well	31-36	90.39					5.50	85.87	NM	NM	5.81	84.58
OLD-OU2-17B	2" well	29-34	90.22					7.02	84.18	NM	NM	7.67	82.55
OLD-OU2-18B	2" well	29-34	89.89					7.77	83.10	8.25	81.64	8.41	81.48
OLD-OU2-19B	2" well	31-36	89.27					7.65	82.60	NM	NM	8.33	80.94
OLD-OU2-20B	2" well	35-40	90.97					10.85	81.10	8.97	82.00	9.73	81.24
OLD-OU2-21B	2" well	28-33	93.93					11.34	83.57	9.80	84.13	11.05	82.88
OLD-OU2-22B	2" well	27-32	91.44					4.90	87.52	5.65	85.79	5.85	85.59
OLD-OU2-27B	2" well	27-32	95.31							12.08	83.23	13.19	82.12
OLD-OU2-28B	2" well	27-32	94.49							12.17	82.32	13.06	81.43
OLD-OU2-29B	1" well	25-30	**86.79**							NI	NM	3.29	83.50
OLD-OU2-30B	1" well	25-30	**88.31**							NI	NM	6.31	82.00
OLD-OU2-31B	1" well	25-30	**93.53**							NI	NM	11.45	82.08
OLD-OU2-32B	1" well	25-30	**94.06**							NI	NM	12.3	81.76
OLD-OU2-33B	1" well	25-30	**93.42**							NI	NM	12.26	81.16
OLD-OU2-35B	1" well	25-30	**89.21**							NI	NM	8.27	80.94
OLD-OU2-37B	1" well	25-30	**92.67**							NI	NM	9.69	82.98
OLD-OU2-DP01B	1" well	25-30	83.42							2.50	80.92	2.67	80.75
OLD-OU2-DP02B	1" well	25-30	83.70							3.15	80.55	3.31	80.39
DEEP PIEZOMETERS													
P3 N	P	43-48	91.16	36.51	55.63	36.75	55.39	38.12	54.02	NM	NM	NM	NM
P8 S	P	43-48	92.89	40.18	53.69	40.91	52.96	Destroyed	NM	NM	NM	Destroyed	Destroyed
P14 W	P	40-45	88.66	31.89	57.75	35.56	54.08	39.10	50.54	NM	NM	42.53	46.13
P22 N	P	48-53	90.78			38.08	53.68	42.80	48.96	NM	NM	NM	NM

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 6/18/02[b]	Water Elevation on 6/18/02[a]	Depth-to-Water on 9/10/02[b]	Water Elevation on 9/10/02[a][c]	Depth-to-Water on 12/14/02[b]	Water Elevation on 12/14/02[a]	Depth-to-Water 6/18/03 (b)	Water Elevation on 6/18/03 (a)
SHALLOW MONITORING WELLS (Cont.)											
OLD-OU2-28A	2" well	6-16	94.53	13.49	81.04	7.75	86.78	8.20	86.33	11.32	83.21
OLD-OU2-29A	1" well	5-15	**86.99**	4.05	82.94	NM	NM	submerged	submerged	1.76	85.23
OLD-OU2-30A	1" well	5-15	**88.68**	4.01	84.67	1.42	87.26	0.69	87.99	3.09	85.59
OLD-OU2-31A	1" well	5-15	**93.81**	11.57	82.24	9.43	84.38	7.84	85.97	10.81	83.00
OLD-OU2-32A	1" well	5-15	**93.94**	12.79	81.15	6.24	87.70	6.00	87.94	10.33	83.61
OLD-OU2-33A	1" well	5-15	**93.70**	13.12	80.58	7.82	85.88	7.15	86.55	11.15	82.55
OLD-OU2-34A	1" well	5-15	**90.06**	8.21	81.85	5.88	84.18	5.09	84.97	7.40	82.66
OLD-OU2-36A	1" well	5-15	**89.67**	9.17	80.50	7.39	82.28	7.02	82.65	8.83	80.84
OLD-OU2-DP01A	1 1/4" well	4-8	82.68	2.18	80.50	0.85*	81.83	submerged	submerged	1.46	81.22
OLD-OU2-DP02A	1 1/4" well	4-8	82.53	2.56	79.97	1.38	81.15	0.1	82.43	2.23	80.30
INTERMEDIATE PIEZOMETERS											
P21 S	P	47-52	92.34	12.96	79.38	10.31	82.03	10.22	82.12	11.33	81.01
INTERMEDIATE MONITORING WELLS											
OLD-OU2-01B	2" well	24-29	90.05	7.82	82.23	5.87	84.18	4.59	85.46	6.84	83.21
OLD-OU2-02B	2" well	27-32	91.77	10.05	81.72	6.6	85.17	6.06	85.71	8.57	83.20
OLD-OU2-03B	2" well	27-32	89.17	7.69	81.48	4.11	85.06	3.62	85.55	6.15	83.02
OLD-OU2-04B	2" well	27-32	87.90	7.01	80.89	3.59	84.31	3.43	84.47	5.70	82.20
OLD-OU2-05B	2" well	41-46	92.05	11.27	80.78	7.95	84.10	7.41	84.64	10.05	82.00
OLD-OU2-06B	2" well	36-41	88.91	Replaced (35B)	Replaced (35B)	Replaced (35B)	Replaced (35B)	Replaced (35B)	Replaced (35B)	Replaced (35B)	Replaced (35B)
OLD-OU2-07B	2" well	26-31	89.73	8.18	81.55	4.96	84.77	4.26	85.47	7.00	82.73
OLD-OU2-08B	2" well	35-40	91.44	9.35	82.09	7.6	83.84	7.03	84.41	8.80	82.64
OLD-OU2-09B	2" well	35-40	91.83	8.99	82.84	6.78	85.05	5.82	86.01	8.49	83.34
OLD-OU2-10B	2" well	31-36	90.28	6.04	84.24	2.43	87.85	1.75	88.53	5.50	84.78
OLD-OU2-11B	2" well	30-35	92.35	Replaced (37B)	Replaced (37B)	Replaced (37B)	Replaced (37B)	Replaced (37B)	Replaced (37B)	Replaced (37B)	Replaced (37B)
OLD-OU2-12B	2" well	30-35	90.40	7.95	82.45	6.18	84.22	5	85.40	7.42	82.98
OLD-OU2-13B	2" well	26-31	91.08	NM	Plugged	5.83	85.25	4.9	86.18	7.65	83.43
OLD-OU2-14B	2" well	29-34	89.98	8.27	81.71	5.96	84.02	4.93	85.05	7.42	82.56
OLD-OU2-15B	2" well	35-40	90.56	7.4	83.16	3.42	87.14	2.21	88.35	6.31	84.25
OLD-OU2-16B	2" well	31-36	90.39	7.19	83.20	2.32	88.07	1.56	88.83	5.72	84.67
OLD-OU2-17B	2" well	29-34	90.22	7.84	82.38	5.00	85.22	3.95	86.27	7.33	82.89
OLD-OU2-18B	2" well	29-34	89.89	8.6	81.29	5.94	83.95	5.4	84.49	7.76	82.13
OLD-OU2-19B	2" well	31-36	89.27	8.65	80.62	5.83	83.44	5.13	84.14	7.93	81.34
OLD-OU2-20B	2" well	35-40	90.97	10.19	80.78	5.9	85.07	5.44	85.53	8.11	82.86
OLD-OU2-21B	2" well	28-33	93.93	11.94	81.99	6.21	87.72	5.63	88.30	9.06	84.87
OLD-OU2-22B	2" well	27-32	91.44	6.05	85.39	3.59	87.85	2.73	88.71	4.56	86.88
OLD-OU2-27B	2" well	27-32	95.31	13.59	81.72	8.25	87.06	8.68	86.63	11.29	84.02
OLD-OU2-28B	2" well	27-32	94.49	13.44	81.05	7.72	86.77	8.21	86.28	11.30	83.19
OLD-OU2-29B	1" well	25-30	**86.79**	3.63	83.16	NM	NM	NM	NM	1.18	85.61
OLD-OU2-30B	1" well	25-30	**88.31**	6.44	81.87	2.51	85.80	1.86	86.45	4.59	83.72
OLD-OU2-31B	1" well	25-30	**93.53**	11.27	82.26	9.16	84.37	7.65	85.88	10.52	83.01
OLD-OU2-32B	1" well	25-30	**94.06**	12.97	81.09	6.5	87.56	6.63	87.43	10.46	83.60
OLD-OU2-33B	1" well	25-30	**93.42**	12.77	80.65	8.44	84.98	7.89	85.53	11.10	82.32
OLD-OU2-35B	1" well	25-30	**89.21**	8.47	80.74	4.96	84.25	4.30	84.91	7.14	82.07
OLD-OU2-37B	1" well	25-30	**92.67**	9.54	83.13	7.53	85.14	6.95	85.72	9.02	83.65
OLD-OU2-DP01B	1" well	25-30	83.42	2.62	80.80	0.85*	82.57	0.2	83.22	1.86	81.56
OLD-OU2-DP02B	1" well	25-30	83.70	3.41	80.29	1.23	82.47	0.75	82.95	2.80	80.90
DEEP PIEZOMETERS											
P3 N	P	43-48	91.16	NM	NM	NM	NM	40.69	50.47	NM	NM
P8 S	P	43-48	92.89	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
P14 W	P	40-45	88.66	45.1	43.56	37.74	50.92	39.00	49.66	40.66	48.00
P22 N	P	48-53	90.78	NM	NM	41.26	49.52	40.74	50.04	4.60	86.18

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 4/13/98[b]	Water Elevation on 4/13/98[a]	Depth-to-Water on 4/29/98[b]	Water Elevation on 4/29/98[a]	Depth-to-Water on 8/4/98[b]	Water Elevation on 8/4/98[a]	Depth-to-Water on 12/11/01[b]	Water Elevation on 12/11/01[a]	Depth-to-Water on 3/23/02[b]	Water Elevation on 3/23/02[a]
DEEP MONITORING WELLS													
OLD-OU2-23C	2" well	49-54	92.00					44.15	48.83	NM	NM	44.33	47.67
OLD-OU2-24C	2" well	59-64	90.97					43.62	48.33	NM	NM	43.47	47.50
OLD-OU2-25C	2" well	68-72	91.17					44.25	47.90	NM	NM	44.55	46.62
OLD-OU2-26C	2" well	55-60	91.25					44.25	47.98	43.72	47.53	44.58	46.67
STAFF GAUGES													
SG1	NA	NA						NM	NM	NM	NM	Destroyed	Destroyed
SG2	NA	NA	Direct Read					5.01	77.99	NM	NM	Destroyed	Destroyed
SG3	NA	NA	Direct Read					NM	NM	NM	NM	Damaged	Damaged
SG4	NA	NA						3.26	84.73	NM	NM	1.89	NC
SG5	NA	NA	Direct Read					5.02	79.04	NM	NM	Destroyed	Destroyed
SG6	NA	NA						NM	NM	NM	NM	Destroyed	Destroyed
SG7	NA	NA	Direct Read					NM	NM	NM	NM	1	NC
SG8	NA	NA	Direct Read					10.01	70.99	NM	NM	Destroyed	Destroyed
SG9	NA	NA	Direct Read					NM	NM	NM	NM	8.6	NC
SG10	NA	NA						4.00	83.98	NM	NM	Destroyed	Destroyed
SG11	NA	NA								NM	NM	Destroyed	Destroyed
GOAA Tank Farm Wells													
MW33		TD= 16.06 ft	93.82	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
CW05		TD= 8.5 ft	92.02	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Number	Well Type	Screen Interval (BGS)	TOC ELEVATION[a] (AMSL)	Depth-to-Water on 6/18/02[b]	Water Elevation on 6/18/02[a]	Depth-to-Water on 9/10/02[b]	Water Elevation on 9/10/02[a][c]	Depth-to-Water on 12/14/02[b]	Water Elevation on 12/14/02[a]	Depth-to-Water 6/18/03 (b)	Water Elevation on 6/18/03 (a)
DEEP MONITORING WELLS											
OLD-OU2-23C	2" well	49-54	92.00	46.83	45.17	42.46	49.54	41.95	50.05	Dry	92.00
OLD-OU2-24C	2" well	59-64	90.97	46.1	44.87	40.52	50.45	40.72	50.25	41.69	49.28
OLD-OU2-25C	2" well	68-72	91.17	46.75	44.42	40.4	50.77	41.01	50.16	42.42	48.75
OLD-OU2-26C	2" well	55-60	91.25	46.8	44.45	40.42	50.83	41.03	50.22	42.44	48.81
STAFF GAUGES											
SG1	NA	NA		Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
SG2	NA	NA	Direct Read	NA	81.3	NA	81.1	NA	81.3	4	81.3
SG3	NA	NA	Direct Read	Damaged	Damaged	NA	80.5	NA	80	NM	80
SG4	NA	NA		Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
SG5	NA	NA	Direct Read	NA	81.6	NA	82.35	NA	81.92	NM	81.92
SG6	NA	NA		Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
SG7	NA	NA	Direct Read	NM	NM	NA	83.3	NA	83.54	NM	83.54
SG8	NA	NA	Direct Read	NA	78.5	NA	80.1	NA	78.9	NM	78.9
SG9	NA	NA	Direct Read	NM	NM	NA	81.85	NA	81.94	8.6	81.94
SG10	NA	NA		Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
SG11	NA	NA		Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed	Destroyed
GOAA Tank Farm Wells											
MW33		TD= 16.06 ft	93.82	NM	NM	6.72	87.10	7.39	86.43	NM	NM
CW05		TD= 8.5 ft	92.02	NM	NM	4.99	87.03	5.65	86.37	NM	NM

[a] Elevation in feet above mean sea level.

[b] Depth in feet below top of casing.

[c] Staff guages measured on 9/17/02.

* Water levels for OLD-OU2-DP01A and OLD-OU2-DP01B measured on 9/12/02.

A blank cell indicates the well or gauge had not yet been installed as of the measurement date.

NA - Not Applicable

NC - Not calculated

NM - Not measured

P - piezometer

NOTE: Based on comparison of new and old TOC elevations a temporary adjustment of 0.98 feet (to convert NGVD29 to NAVD88) was applied to all
previously installed wells that were not re-surveyed on 4/15/02 at OU 2. The adjustment was calculated based on survey of 2 previously installed
wells on 4/15/02. TOC elevations will be adjusted again if necessary after more wells are re-surveyed.

Bold entries in " TOC" were surveyed in 2002 using NAVD88. Non-bold entries were calculated using 0.98 feet delta. Calculations prior to 3/02 use
OLD TOC Elevations. The water elevations in March 2002 are calculated using the new adjusted TOC Elevations.

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-02A				OLD-OU2-02B	
Sample ID		Florida GCTL[a]	NTCOU2G02A05	NTCOU2G02A06	NTCOU2G02A07	OLD-OU2-02A	NTCOU2G02B05	NTCOU2G02B06
Sample Date			6/19/2002	9/11/2002	12/16/2002	6/19/2003	6/19/2002	9/11/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	30	33	27	47.9	40	41
Dissolved Organic Carbon		*	24	91	25	7.02	15	19
Nitrate	14797-55-8	10,000				0.032	0.08	
Nitrite	14797-65-0	*						
Orthophosphate						0.856		
Sulfate	14808-79-8	250,000		2	0.46	13.5	12	10
Total Alkalinity		*	40	330	390	19.8		
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	140.4	474.5	433.7	431.5	126.5	186.4
Hydrogen (nm/L)	1333-74-0	*	4.6	1.4	1	2.2	1.8	1.7
Nitrogen	7727-37-9	*	7.8	6.2	4.3	3.8	5.8	11.9
Oxygen	7782-44-7	*	0.25	0.58	0.17		0.71	1.24
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*	0.24	0.23			0.02	0.03
Ethene	74-85-1	*			0.03		0.02	
Methane	72-82-8	*	3944.4	3307.4	3627.1	4552.2	217.2	471.1
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		156.3	50.6	22.6	255	261.7	30
Dissolved Oxygen			2	4	6	NM	2	0.2
Dissolved Oxygen[b]			1.88	0.15	0.51	0.55	0.18	0.91
Ferrous Iron			3.9	2.8	2.4	3.2	2.8	2.2
Hydrogen Sulfide	7783-06-4					0.00	0.5	0.1
Redox Potential (mV)[b]			-94	-215	-123	-119	-44	6.82
Sulfide						0.00	0.27	0.25

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-02B		OLD-OU2-03A		
Sample ID		Florida GCTL[a]	NTCOU2G02B07	OLD-OU2-02B	NTCOU2G03A05	NTCOU2G03A05-D	NTCOU2G03A06
Sample Date			12/16/2002	6/19/2003	6/19/2002	6/19/2002	9/11/2002
Water Chemistry (mg/L)							
Chloride	16887-00-6	250,000	43	47.9	120	120	50
Dissolved Organic Carbon		*	5.1	7.02	84	85	42
Nitrate	14797-55-8	10,000		0.032			
Nitrite	14797-65-0	*					
Orthophosphate			0.69	0.856			
Sulfate	14808-79-8	250,000	15	13.5	100	110	
Total Alkalinity		*	13	19.8	220	220	90
Dissolved Gases (mg/L)						**NA**	
Carbon Dioxide	124-38-9	*	185.2	180.4	345.4		141.7
Hydrogen (nm/L)	1333-74-0	*	0.7	2	1.6		2.1
Nitrogen	7727-37-9	*	9.1	8.6	8.9		11.8
Oxygen	7782-44-7	*	0.28	0.68	0.44		0.45
Volatiles Gaseous (µg/L)						**NA**	
Ethane	74-84-0	*			0.29		0.04
Ethene	74-85-1	*	0.03		0.25		
Methane	72-82-8	*	202.6	219.7	3815.1		768.9
Field Parameters (mg/L)						**NA**	
Carbon Dioxide	124-38-9		30.2	207.0	153.2		55.4
Dissolved Oxygen			3	NM	4		4
Dissolved Oxygen[b]			0.96	0.83	1.8		0.51
Ferrous Iron			1.8	2.6	2		2.8
Hydrogen Sulfide	7783-06-4		0.4	0.0	2		0.1
Redox Potential (mV)[b]			-138	-76	37		-117
Sulfide			0.24	0.00	0.75		0.25

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-03A			OLD-OU2-03B		
Sample ID		Florida GCTL[a]	NTCOU2G03A06-D	NTCOU2G03A07	OLD-OU2-03A	NTCOU2G03B05	NTCOU2G03B06	NTCOU2G03B07
Sample Date			9/11/2002	12/16/2002	6/19/2003	6/19/2002	9/11/2002	12/16/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	50	5.9	30.9	51	40	41
Dissolved Organic Carbon		*		19	14.2	28	26	7.8
Nitrate	14797-55-8	10,000						
Nitrite	14797-65-0	*						
Orthophosphate					0.056			
Sulfate	14808-79-8	250,000		3.2	5.68	8.3	9.3	12
Total Alkalinity		*	89	32	57.2	100	78	75
Dissolved Gases (mg/L)			**NA**					
Carbon Dioxide	124-38-9	*		75.2	265.7	174.7	422.1	377.8
Hydrogen (nm/L)	1333-74-0	*		1	2.6	1.7	2.2	0.8
Nitrogen	7727-37-9	*		9	6	10.3	6.5	6
Oxygen	7782-44-7	*			0.16	0.57	0.32	0.2
Volatiles Gaseous (µg/L)			**NA**					
Ethane	74-84-0	*			0.02	0.06	0.3	
Ethene	74-85-1	*		0.03	0.13	0.02	0.2	0.18
Methane	72-82-8	*		2445.7	4195.8	1069.1	5672.6	3143.8
Field Parameters (mg/L)			**NA**					
Carbon Dioxide	124-38-9			52.2	271	113.2	45.2	39.6
Dissolved Oxygen				0.5	NM	3	2	1
Dissolved Oxygen[b]				0.59	0.00	0.49	0.16	0.53
Ferrous Iron				2	3.0	3.2	3.2	1.6
Hydrogen Sulfide	7783-06-4			0.1	0.0			0.1
Redox Potential (mV)[b]				35	-220	-19	-201	-122
Sulfide					0.0	0.25		

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-03B		OLD-OU2-05A	OLD-OU2-05B	OLD-OU2-18B	
Sample ID		Florida GCTL[a]	NTCOU2G03B07-D	OLD-OU2-03B	NTCOU2G05A04	NTCOU2G05B04	NTCOU2G18B05	NTCOU2G18B05-D
Sample Date			12/16/2002	6/19/2003	3/27/2002	3/27/2002	6/19/2002	6/19/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	40	50.8	40	13	NA	NA
Dissolved Organic Carbon		*	7.6	16.82	NA	NA	12	10
Nitrate	14797-55-8	10,000		0.027			NA	NA
Nitrite	14797-65-0	*					NA	NA
Orthophosphate			0.14	0.03				
Sulfate	14808-79-8	250,000	12	6.57	2		NA	NA
Total Alkalinity		*	75	114	NA	NA	NA	NA
Dissolved Gases (mg/L)			**NA**	**NA**	**NA**	**NA**		**NA**
Carbon Dioxide	124-38-9	*		234.9			147.1	
Hydrogen (nm/L)	1333-74-0	*		2.2			2.2	
Nitrogen	7727-37-9	*		8.3			11.9	
Oxygen	7782-44-7	*		0.9			0.36	
Volatiles Gaseous (µg/L)			**NA**	**NA**	**NA**	**NA**		**NA**
Ethane	74-84-0	*		0.03			0.09	
Ethene	74-85-1	*		0.02			1.12	
Methane	72-82-8	*		1632.9			395.4	
Field Parameters (mg/L)			**NA**	**NA**				**NA**
Carbon Dioxide	124-38-9			273.0	164.6	89.8	241.8	
Dissolved Oxygen				NM	3	3	1	
Dissolved Oxygen[b]				0.00	12.43	2.16		
Ferrous Iron				3.0	2.4	1.4	2	
Hydrogen Sulfide	7783-06-4			0.0	5	5	5	
Redox Potential (mV)[b]				-143	18	-62	-142	
Sulfide				0.0	NA	NA	1.75	

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-18B					
Sample ID		Florida GCTL[a]	NTCOU2G18B05	NTCOU2G18B06	NTCOU2G18B06-D	NTCOU2G18B07	NTCOU2G18B07-D	NTCOU2G21A04
Sample Date			6/21/2002	9/12/2002	9/12/2002	12/16/2002	12/16/2002	3/26/2002
Water Chemistry (mg/L)				**NA**	**NA**			
Chloride	16887-00-6	250,000	8 J			8.4	8.7	11
Dissolved Organic Carbon		*	NA			NA	NA	4
Nitrate	14797-55-8	10,000						
Nitrite	14797-65-0	*						
Orthophosphate						1.1	1.1	
Sulfate	14808-79-8	250,000	2			3.7	3.5	4
Total Alkalinity		*	NA			8.8 J	4.9 J	NA
Dissolved Gases (mg/L)			**NA**		**NA**		**NA**	
Carbon Dioxide	124-38-9	*		148.2		171.2		72.6
Hydrogen (nm/L)	1333-74-0	*		2.8		1.3		1.6
Nitrogen	7727-37-9	*		12.3		9.9		11
Oxygen	7782-44-7	*		0.81		0.45		0.93
Volatiles Gaseous (µg/L)			**NA**		**NA**		**NA**	
Ethane	74-84-0	*		0.5		0.25		0.01
Ethene	74-85-1	*		1.53		3.35		
Methane	72-82-8	*		768.9		988.5		236.8
Field Parameters (mg/L)			**NA**		**NA**		**NA**	
Carbon Dioxide	124-38-9			35.6		48		92.8
Dissolved Oxygen				3		1		3
Dissolved Oxygen[b]				3.25		1.15		5.51
Ferrous Iron				1.2		0.6		0.9
Hydrogen Sulfide	7783-06-4			1		1.5		0.7
Redox Potential (mV)[b]				-142		-178		55
Sulfide				1		1.1		NA

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-21A				OLD-OU2-21B	
Sample ID		Florida GCTL[a]	OLD-OU2-18B	NTCOU2G21A06	NTCOU2G21A07	OLD-OU2-21A	NTCOU2G21B05	NTCOU2G21B06
Sample Date			6/21/2003	9/13/2002	12/16/2002	6/21/2003	6/20/2002	9/13/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	9.2	5	8.6	11.8	10	16
Dissolved Organic Carbon		*	5.63	13	1.2	2.55	12	15
Nitrate	14797-55-8	10,000	0.038			0.029		
Nitrite	14797-65-0	*						
Orthophosphate			0.913			0.005		
Sulfate	14808-79-8	250,000		3.2	2.9			
Total Alkalinity		*	18.5		NA		30	30
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	259.3	69.2	66.5	75.9	90.9	203.3
Hydrogen (nm/L)	1333-74-0	*	1.8	12.3	4.7	1.5	2.3	4.3
Nitrogen	7727-37-9	*	7.3	10.8	9.9	9.8	3.3	10.9
Oxygen	7782-44-7	*	0.44	0.47	0.63	1.98		0.34
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*	0.37	0.04			0.07	0.08
Ethene	74-85-1	*	10.38	0.11			0.03	0.15
Methane	72-82-8	*	1798.9	1047.1	197.7	8	1232.6	4820.7
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		228	50.6	35.6	56.0	209.8	53.6
Dissolved Oxygen			NM	3	1.	NM	0.8	2
Dissolved Oxygen[b]			4.99	1.87	0.96	0.62		0.01
Ferrous Iron			1.8	1.2	0.2	0.20	2.2	0.8
Hydrogen Sulfide	7783-06-4		2.0	1.0	0.1	0.10	2	0.5
Redox Potential (mV)[b]			-145	-122	-138	22.0	-85	-184
Sulfide			1.25	1.1		0.0	0.65	0.45

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-21B		OLD-OU2-22A	OLD-OU2-22B	OLD-OU2-27A	
Sample ID		Florida GCTL[a]	NTCOU2G21B07	OLD-OU2-21B	NTCOU2G22A06	NTCOU2G22B06	NTCOU2G27A05	NTCOU2G27A06
Sample Date			12/17/2002	6/21/2003	9/12/2002	9/12/2002	6/19/2002	9/12/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	17	18.6			16	30
Dissolved Organic Carbon		*	3.5	4.55	20	14	36	
Nitrate	14797-55-8	10,000		0.028				
Nitrite	14797-65-0	*						
Orthophosphate			1.6	1.7				
Sulfate	14808-79-8	250,000	2.3				38	14
Total Alkalinity		*	20	27.7			20	30
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	196.2	195.2	79.5	92.1	247.7	456.6
Hydrogen (nm/L)	1333-74-0	*	5.9	2	3.3	2.9	1.4	1.8
Nitrogen	7727-37-9	*	9.5	8.5	11.3	12.2	5.3	7.4
Oxygen	7782-44-7	*	0.83	0.59	0.66	5.45	0.43	0.69
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*		0.29	0.06		0.05	0.59
Ethene	74-85-1	*	0.04	0.06	0.03		0.08	1.4
Methane	72-82-8	*	4034.7	5450.4	351.5	0.4	114.7	256.3
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		56.2	88	NA	51.0	216.7	62.0
Dissolved Oxygen			1	NM	NA	4	1	4
Dissolved Oxygen[b]			1.58	0.0	0.4	0.15		2.52
Ferrous Iron			1.6	2.0	NA	0.8	3	3
Hydrogen Sulfide	7783-06-4		0.6	0.70	NA	0.3	2	0.3
Redox Potential (mV)[b]			-199	-110.0	-227	NA	-18	-107
Sulfide			0.9	6.25	NA	0.3	1	0.3

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-27A			OLD-OU2-27B	
Sample ID		Florida GCTL[a]	NTCOU2G27A06-D	NTCOU2G27A06	OLD-0U2-27A	NTCOU2G27B05	NTCOU2G27B06
Sample Date			9/12/2002	12/17/2002	6/20/2003	6/19/02	9/12/2002
Water Chemistry (mg/L)							
Chloride	16887-00-6	250,000	29	26	19.7	40	34
Dissolved Organic Carbon		*		NA	31.53	25	
Nitrate	14797-55-8	10,000			0.023		
Nitrite	14797-65-0	*					
Orthophosphate					0.011		
Sulfate	14808-79-8	250,000	14	28	35.2	2	7.6
Total Alkalinity		*	30	49	54.2	NA	
Dissolved Gases (mg/L)			**NA**				
Carbon Dioxide	124-38-9	*		443	347.8	479.9	592.1
Hydrogen (nm/L)	1333-74-0	*		0.6	2.4	1.9	2.6
Nitrogen	7727-37-9	*		8.2	8	6.6	6.6
Oxygen	7782-44-7	*		0.48	0.53	0.82	1.18
Volatiles Gaseous (µg/L)			**NA**				
Ethane	74-84-0	*		0.7	0.3	0.56	0.35
Ethene	74-85-1	*		2.12	1.43	1.11	0.84
Methane	72-82-8	*		422.3	253.8	3966.4	4295.9
Field Parameters (mg/L)			**NA**				
Carbon Dioxide	124-38-9			40.8	109.0	223.3	59.6
Dissolved Oxygen				1	NM	1	6
Dissolved Oxygen[b]				1.37	4.55	0.42	0.07
Ferrous Iron				1.8	2.4	2.6	2.4
Hydrogen Sulfide	7783-06-4			0.3	5.0	5	1.0
Redox Potential (mV)[b]				-59	-104.0	-87	-162
Sulfide				1.65	1.25	1.75	1.25

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-27B		OLD-OU2-29A		
Sample ID		Florida GCTL[a]	NTCOU2G27B07	OLD-OU2-27B	NTCOU2G29A04	NTCOU2G29A05	OLD-OU2-29A
Sample Date			12/17/2002	6/20/2003	3/27/2002	6/21/2002	6/19/2003
Water Chemistry (mg/L)							
Chloride	16887-00-6	250,000	35	35.7	56	54 J	50.6
Dissolved Organic Carbon		*	NA	12.13	21	22	14.53
Nitrate	14797-55-8	10,000		0.028			0.025
Nitrite	14797-65-0	*					
Orthophosphate							0.018
Sulfate	14808-79-8	250,000	31	15.1	52	41	47.6
Total Alkalinity		*	NA	15.4	40	40	28.6
Dissolved Gases (mg/L)							
Carbon Dioxide	124-38-9	*	437.7	429.4	113.6	154.5	166.2
Hydrogen (nm/L)	1333-74-0	*	0.9	3.6	2.3	1.5	2.5
Nitrogen	7727-37-9	*	3.1	5.3	9.9	13.4	9.7
Oxygen	7782-44-7	*	0.28	0.33	1.08	0.34	0.7
Volatiles Gaseous (µg/L)							
Ethane	74-84-0	*	0.2	0.37	0.02		
Ethene	74-85-1	*	0.35	1.14	0.16	0.3	0.05
Methane	72-82-8	*	1830.6	3195.1	197.7	224.6	156.2
Field Parameters (mg/L)							
Carbon Dioxide	124-38-9		34.0	453.0	78.3	275.9	440.0
Dissolved Oxygen			1.0	NM	2	2	NM
Dissolved Oxygen[b]				6.09	1.34	0.28	0.0
Ferrous Iron			1.6	2.4	3.4	2.8	5.0
Hydrogen Sulfide	7783-06-4		5.0	5.0	2		0.0
Redox Potential (mV)[b]			-155	-142	-120	-17	-95
Sulfide			1.60	10.0	1.26		0.75

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-29B			OLD-OU2-30A	
Sample ID		Florida GCTL[a]	NTCOU2G29B04	NTCOU2G29B05	OLD-OU2-29B	NTCOU2G30A05	NTCOU2G30A06
Sample Date			3/27/2002	6/21/2002	6/19/2003	6/20/2002	9/12/2002
Water Chemistry (mg/L)							
Chloride	16887-00-6	250,000	20	20 J	13.6	80	150
Dissolved Organic Carbon		*	7.5	9.4	4.97	24	
Nitrate	14797-55-8	10,000				2.1	0.09
Nitrite	14797-65-0	*					
Orthophosphate					1.32		
Sulfate	14808-79-8	250,000	5			59	34
Total Alkalinity		*	40	30	17.6	NA	
Dissolved Gases (mg/L)							
Carbon Dioxide	124-38-9	*	68.9	101.8	90.6	166.5	419.4
Hydrogen (nm/L)	1333-74-0	*	2	1.4	2	1.1	2.6
Nitrogen	7727-37-9	*	6.5	9.8	9.1	8.3	6.7
Oxygen	7782-44-7	*	0.38	0.29	1.75	0.34	0.18
Volatiles Gaseous (µg/L)							
Ethane	74-84-0	*	0.03	0.05	0.02	0.01	0.07
Ethene	74-85-1	*	0.27	0.36	0.05	0.05	0.08
Methane	72-82-8	*	412.5	624.9	344.2	266.1	2382.3
Field Parameters (mg/L)							
Carbon Dioxide	124-38-9		70.2	164.1	124.0	259.3	66.6
Dissolved Oxygen			2	1	NM	0.9	1.0
Dissolved Oxygen[b]			0.17	0.28	0.0	0.74	0.73
Ferrous Iron			3.2	3	2.8	1.2	4.6
Hydrogen Sulfide	7783-06-4		1	2	1.0		
Redox Potential (mV)[b]			-53	-91	-121.0	-38	1.86
Sulfide			1.25	0.7	7.0	0.15	

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-30A		OLD-OU2-30B	
Sample ID		Florida GCTL[a]	NTCOU2G30A07	OLD-OU2-30A	NTCOU2G30B05	NTCOU2G30B06
Sample Date			12/17/2002	6/19/2003	6/20/2002	9/12/2002
Water Chemistry (mg/L)						
Chloride	16887-00-6	250,000	130	77	50	92
Dissolved Organic Carbon		*	NA	44.07	48	
Nitrate	14797-55-8	10,000		0.036		
Nitrite	14797-65-0	*		0.02		
Orthophosphate				0.026		
Sulfate	14808-79-8	250,000	33	65.1		3.2
Total Alkalinity		*	24	45.3	240	210
Dissolved Gases (mg/L)						
Carbon Dioxide	124-38-9	*	355.8	150.9	78.4	150.8
Hydrogen (nm/L)	1333-74-0	*	0.8	2.4	6.7	1
Nitrogen	7727-37-9	*	5.9	7.4	5.5	5.3
Oxygen	7782-44-7	*	0.16	0.61		0.24
Volatiles Gaseous (µg/L)						
Ethane	74-84-0	*				0.12
Ethene	74-85-1	*	0.17	0.01	0.8	0.02
Methane	72-82-8	*	3214.6	371	6190	6619.6
Field Parameters (mg/L)					**NA**	
Carbon Dioxide	124-38-9		34	317.0		56.0
Dissolved Oxygen			1.0	NM		1.0
Dissolved Oxygen[b]			0.45	0.73		0.14
Ferrous Iron			3.8	1.8		4.8
Hydrogen Sulfide	7783-06-4		0.1	0.0		
Redox Potential (mV)[b]			-15	14.0		-209
Sulfide				0.0		

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-30B		OLD-OU2-31A			
Sample ID		Florida GCTL[a]	NTCOU2G30B07	OLD-OU2-30B	NTCOU2G31A05	NTCOU2G31A06	NTCOU2G31A07	OLD-OU2-31A
Sample Date			12/17/2002	6/19/2003	6/20/2002	9/13/2002	12/16/2002	6/21/2003
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	92	90.3	3		1.9	
Dissolved Organic Carbon		*	NA	41.84	6.4		NA	3.07
Nitrate	14797-55-8	10,000		0.029			0.11	
Nitrite	14797-65-0	*						
Orthophosphate				0.126				0.009
Sulfate	14808-79-8	250,000	8.8	10.8	24	14	9.6	5.86
Total Alkalinity		*	200	203				
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	219.1	252.3	42	42.1	33	31.3
Hydrogen (nm/L)	1333-74-0	*	1	2.4	2	2	1.8	1.9
Nitrogen	7727-37-9	*	4.3	4.9	11.7	10.5	8.4	8.3
Oxygen	7782-44-7	*	0.26	0.23	0.93	1.03	2.01	2.98
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*		0.07	0.05			
Ethene	74-85-1	*	0.18	0.18	2.48	0.02	0.01	0.06
Methane	72-82-8	*	4676.7	4154.3	74.1	33.6	5.2	22
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		42.4	355.0	223	52.6	30	46.0
Dissolved Oxygen			1.0	NM	0.7	4.0	1.0	NM
Dissolved Oxygen[b]			0.66	0.0	0.4	0.8	4.3	0.42
Ferrous Iron			2.8	2.20	2			0.80
Hydrogen Sulfide	7783-06-4		0.1	1.0	2			0.0
Redox Potential (mV)[b]			-148	-108.0	-36	32	156	159.0
Sulfide			0.30	5.31	0.55	0.25		0.0

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-31B				OLD-OU2-32A	
Sample ID		Florida GCTL[a]	NTCOU2G31B05	NTCOU2G31B06	NTCOU2G31B07	OLD-OU2-31B	NTCOU2G32A05	NTCOU2G32A06
Sample Date			6/20/2002	9/13/2002	12/16/2002	6/21/2003	6/19/2002	9/12/2002
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	8	16	15	15.6	6	6.1
Dissolved Organic Carbon		*	11		NA	7.26	33	
Nitrate	14797-55-8	10,000				0.032	0.42	0.1
Nitrite	14797-65-0	*						
Orthophosphate					1.3	1.02		
Sulfate	14808-79-8	250,000	21	25	20	29.1	32	2
Total Alkalinity		*				14.5	20	
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	97.6	277.4	246.1	302.5	173.1	64.2
Hydrogen (nm/L)	1333-74-0	*	0.6	1.8	1.7	1.6	1.2	1.2
Nitrogen	7727-37-9	*	15.3	9.2	9.9	8.7	12	10.6
Oxygen	7782-44-7	*	1.39	1	0.72	0.71		1.99
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*	0.32	0.83	0.49	0.4	0.06	
Ethene	74-85-1	*	0.51	0.63	0.71	0.67	0.93	0.1
Methane	72-82-8	*	178.2	559	661.5	466.2	290.5	7.6
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		205.2	42.6	41	308.0	207	
Dissolved Oxygen			0.8	1.0	0.8	NM	2.0	
Dissolved Oxygen[b]				0.27	1.33	2.87		4.39
Ferrous Iron			2.3	1.6	1.2	2.50	4.0	
Hydrogen Sulfide	7783-06-4		1.0	1.0	0.5	5.0	5.0	
Redox Potential (mV)[b]			-102	NA	-114	-87.0	-79	165
Sulfide			0.85	0.9	1.15	2.5	1.85	

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-32A		OLD-OU2-32B			
Sample ID		Florida GCTL[a]	NTCOU2G32A07	OLD-OU2-32A	NTCOU2G32B05	NTCOU2G32B06	NTCOU2G32B07	OLD-OU2-32B
Sample Date			12/17/2002	6/20/2003	6/19/2002	9/12/2002	12/17/2002	6/20/2003
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	0.7		6	6	7.5	5.31
Dissolved Organic Carbon		*	NA	18.19	10		NA	5.01
Nitrate	14797-55-8	10,000	0.15	0.032				
Nitrite	14797-65-0	*		0.02				
Orthophosphate				0.036			1.6	1.38
Sulfate	14808-79-8	250,000	1.2				4	
Total Alkalinity		*		1.8			8.8	13.6
Dissolved Gases (mg/L)								
Carbon Dioxide	124-38-9	*	23.6	52.9	117.5	108.4	129.2	108.3
Hydrogen (nm/L)	1333-74-0	*	0.3	2.4	2.8	2.4	2.6	2.7
Nitrogen	7727-37-9	*	11.2	9.5	8.5	11.9	11.4	8.5
Oxygen	7782-44-7	*	5.28	1.17	0.5	1.35	0.83	2.27
Volatiles Gaseous (µg/L)								
Ethane	74-84-0	*			0.04	0.04		0.01
Ethene	74-85-1	*	0.04		0.66	1.45	0.9	0.42
Methane	72-82-8	*	4.3	90.3	602.9	637.1	715.2	239.2
Field Parameters (mg/L)								
Carbon Dioxide	124-38-9		23.6	223.0	174.2	40.4	42.4	150.0
Dissolved Oxygen			1.0	NM	1.0	3.0	1.0	NM
Dissolved Oxygen[b]			7.92	0.90	0.03	0.2	0.55	0.0
Ferrous Iron			1.2	0.20	1.6	1.8	0.8	2.0
Hydrogen Sulfide	7783-06-4		0.1	0.0	2.0		0.4	1.0
Redox Potential (mV)[b]			263	-7.0	-70	-143	-175	-95.0
Sulfide			0.20	0.10	0.75		0.35	3.0

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-33A				
Sample ID		Florida GCTL[a]	NTCOU2G33A04-D	NTCOU2G33A05	NTCOU2G33A06	NTCOU2G33A07	OLD-OU2-33A
Sample Date			3/26/2002	6/21/2002	9/12/2002	12/17/2002	6/21/2003
Water Chemistry (mg/L)							
Chloride	16887-00-6	250,000	16	20 J	9.8	3.6	
Dissolved Organic Carbon		*	12	18		NA	7.83
Nitrate	14797-55-8	10,000	0.06		2.9	3.2	0.3
Nitrite	14797-65-0	*					
Orthophosphate							0.003
Sulfate	14808-79-8	250,000	16	5.3	11	10	9.48
Total Alkalinity		*	40			4.9	11
Dissolved Gases (mg/L)			**NA**				
Carbon Dioxide	124-38-9	*		159.8	88.5	85.2	166.6
Hydrogen (nm/L)	1333-74-0	*		3.4	1.7	0.8	2.8
Nitrogen	7727-37-9	*		10.5	10.3	10.3	9.2
Oxygen	7782-44-7	*		0.83	0.66	1.87	0.93
Volatiles Gaseous (µg/L)			**NA**				
Ethane	74-84-0	*					
Ethene	74-85-1	*		0.15		0.02	0.04
Methane	72-82-8	*		1381.5	0.5	50.1	371
Field Parameters (mg/L)			**NA**				
Carbon Dioxide	124-38-9			174.5	44.8	59	526.0
Dissolved Oxygen				2.0	3.0	2.0	NM
Dissolved Oxygen[b]					0.25	2.77	0.24
Ferrous Iron				3.4			0.60
Hydrogen Sulfide	7783-06-4			5.0		0.1	0.10
Redox Potential (mV)[b]				-108	NA	64	-13.0
Sulfide				0.80	0.25		0.0

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-33B					
Sample ID		Florida GCTL[a]	NTCOU2G33B05	NTCOU2G33B05-D	NTCOU2G33B06	NTCOU2G33B06-D	NTCOU2G33B07	OLD-OU2-33B
Sample Date			6/21/2002	6/21/2002	9/12/2002	9/12/2002	12/17/2002	6/21/2003
Water Chemistry (mg/L)								
Chloride	16887-00-6	250,000	10 J	16 J	12	12	13	12
Dissolved Organic Carbon		*	19	17			NA	6.38
Nitrate	14797-55-8	10,000				0.05		0.041
Nitrite	14797-65-0	*						
Orthophosphate							0.3	0.425
Sulfate	14808-79-8	250,000	5.2	5	12	12	22	11.6
Total Alkalinity		*					13	18.5
Dissolved Gases (mg/L)				NA		NA		
Carbon Dioxide	124-38-9	*	297		378.8		328.5	303.8
Hydrogen (nm/L)	1333-74-0	*	2				0.5	2.4
Nitrogen	7727-37-9	*	8.2		10.7		7.7	6.3
Oxygen	7782-44-7	*	0.6		0.45		0.69	0.29
Volatiles Gaseous (µg/L)				NA		NA		
Ethane	74-84-0	*	0.38		0.13		0.38	0.47
Ethene	74-85-1	*	0.89		0.16		0.69	0.54
Methane	72-82-8	*	1645.1		2167.5		1552.4	1420.6
Field Parameters (mg/L)				NA		NA		
Carbon Dioxide	124-38-9		263.3		42.6		52.2	408
Dissolved Oxygen			0.9		1.0		0.1	NM
Dissolved Oxygen[b]			0.47		0.88		1.11	0
Ferrous Iron			3.2		2.0		1.8	2.6
Hydrogen Sulfide	7783-06-4		5.0		5.0		4	5
Redox Potential (mV)[b]			-165		-172		-142	-126
Sulfide			2.15		5.3		1.9	11.25

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-DP02A		OLD-OU2-DP02B		
Sample ID		Florida GCTL[a]	NTCOU2GP2A05	OLD-OU2-DP02A	NTCOU2GP2B04	NTCOU2DP2B06	NTCOU2DP2B07
Sample Date			6/19/2002	6/21/2003	3/25/2002	9/12/2002	12/17/2002
Water Chemistry (mg/L)						**NA**	
Chloride	16887-00-6	250,000	40 J	11.2	14		8
Dissolved Organic Carbon		*	6.9	5.62	7.3		NA
Nitrate	14797-55-8	10,000					
Nitrite	14797-65-0	*					
Orthophosphate				0.024			1.1
Sulfate	14808-79-8	250,000	14	6.49			1.3
Total Alkalinity		*	NA	4.4			15
Dissolved Gases (mg/L)							
Carbon Dioxide	124-38-9	*	96.6	274.1	95.2	120.6	145.9
Hydrogen (nm/L)	1333-74-0	*	1.9	1.7	2.1	5	1.6
Nitrogen	7727-37-9	*	12.3	6.4	12.0	13.4	8.5
Oxygen	7782-44-7	*	0.5		1.2	1.63	0.15
Volatiles Gaseous (µg/L)							
Ethane	74-84-0	*	0.03	0.56	0.03	0.32	0.48
Ethene	74-85-1	*	0.02	2.28	0.03	0.45	2.84
Methane	72-82-8	*	544.3	1525.5	244.1	410.1	815.2
Field Parameters (mg/L)							
Carbon Dioxide	124-38-9		117.8	268.0	103.3	41.0	46.2
Dissolved Oxygen			1	NM	1.5	2.0	0.6
Dissolved Oxygen[b]			0.33	0.29	2.37	2.91	7.79
Ferrous Iron			3.7	2.0	1		
Hydrogen Sulfide	7783-06-4		5	5.0	5	0.5	0.6
Redox Potential (mV)[b]			-18	-97.0	-81	-121	207
Sulfide			1.5	7.5	NA	0.45	1.2

TABLE 2

NATURAL ATTENUATION PARAMETER RESULTS
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes

(a) Groundwater Cleanup Target Level [Development of soil cleanup target levels (SCTLs) for Chapter 62-777, F.A.C., May 26 1999].

(b) Dissolved oxygen and Redox potential as measured by Horiba U-22 used during purging.

* Indicates that the screening value is not available.

Empty cells indicate non-detects.

"J" qualifier indicates an estimated value.

NA – No analysis performed.

nm/L – nanomoles per liter

T - Too turbid to read

TABLE 3

DETECTIONS IN GROUNDWATER - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample Date				6/19/2003	6/19/2003	6/19/2003	6/19/2003	6/21/2003	6/21/2003	6/21/2003
Volatiles (µg/L)										
1,1-Dichloroethene	75-35-4	7						1.92		
1,2-Dichloropropane	78-87-5	5								
1,4-Dichlorobenzene	106-46-7	*								
Benzene	71-43-2	1				3.2				
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100					7.09			
Chloromethane	74-87-3	2.7								
cis-1,2-Dichloroethene	156-59-2	70						305		
Ethylbenzene	100-41-4	30						1.02		
Naphthalene	91-20-3	20								
Tetrachloroethene	127-18-4	3						81.3		
Toluene	108-88-3	40						2.89		2.68
Trichloroethene	79-01-6	3						4390		
1,3,5-Trimethylbenzene	108-67-8	10								
Vinyl Chloride	75-01-4	1				1.72		58.9		
Inorganics (µg/L)										
Iron	7439-89-6	300	1227	20320	3083	12700	13150	965.2	166.5	1459
Manganese	7439-96-5	50	17	148.3	14.4	130	24	12.1	1.3	10.2
Water Chemistry (mg/L)										
Alkalinity		*		399	19.8	57.2	114	18.5		27.7
Ammonia Nitrogen as N		*		16.7	0.119	0.833	5.6	0.041		0.341
Chloride	16887-00-6	250,000		32.2	47.9	30.9	50.8	9.2	11.8	18.6
Dissolved Organic Carbon		*		48	7.02	14.2	16.82	5.63	2.55	4.55
Nitrate	14797-55-8	10,000		0.145	0.032		0.027	0.038	0.029	0.028
Nitrite				0.027						
Orthophosphate		*		0.132	0.856	0.056	0.03	0.913	0.005	1.7
Sulfate	14808-79-8	250,000			13.5	5.68	6.57			
Dissolved Gases (mg/L)										
Carbon Dioxide	124-38-9	*		431.5	180.4	265.7	234.9	259.3	75.9	195.2
Hydrogen (nm/L)	1333-74-0	*		2.2	2	2.6	2.2	1.8	1.5	2
Nitrogen	7727-37-9	*		3.8	8.6	6	8.3	7.3	9.8	8.5
Oxygen	7782-44-7	*			0.68	0.16	0.9	0.44	1.98	0.59
Volatile Gases (µg/L)										
Ethane	74-84-0	*				0.02	0.03	1.37		0.29
Ethene	74-85-1	*				0.13	0.02	10.38		0.06
Methane	74-82-8	*		4552.2	219.7	4195.8	1632.9	1798.9	8	5450.4

TABLE 3

DETECTIONS IN GROUNDWATER - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27A	OLD-OU2-27B	OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B	OLD-OU2-31A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-27A	OLD-OU2-27B	OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B	OLD-OU2-31A
Sample Date				6/21/2003	6/20/2003	6/19/2003	6/19/2003	6/19/2003	6/19/2003	6/21/2003
Volatiles (µg/L)										
1,1-Dichloroethene	75-35-4	7								
1,2-Dichloropropane	78-87-5	5								
1,4-Dichlorobenzene	106-46-7	*			7.57				1.3	
Benzene	71-43-2	1		1.5	23				1.54	
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100		4.33	52.5				3.08	
Chloromethane	74-87-3	2.7								
cis-1,2-Dichloroethene	156-59-2	70		1.14	5.17					
Ethylbenzene	100-41-4	30								
Naphthalene	91-20-3	20			16.6					
Tetrachloroethene	127-18-4	3								
Toluene	108-88-3	40								
Trichloroethene	79-01-6	3								
1,3,5-Trimethylbenzene	108-67-8	10			1.15					
Vinyl Chloride	75-01-4	1		8.94	4.43					
Inorganics (µg/L)										
Iron	7439-89-6	300	1227	21030	2036	5726	3633	4811	37380	598.9
Manganese	7439-96-5	50	17	308.8	10.2	9.2	9.8	86.6	138.8	8
Water Chemistry (mg/L)										
Alkalinity		*		54.2	15.4	28.6	17.6	45.3	203	
Ammonia Nitrogen as N		*		4.7	0.308	0.207	0.151	0.519	4.73	
Chloride	16887-00-6	250,000		19.7	35.7	50.6	13.6	77	90.3	
Dissolved Organic Carbon		*		31.53	12.13	14.53	4.97	44.07	41.84	3.07
Nitrate	14797-55-8	10,000		0.023	0.028	0.025		0.036	0.029	
Nitrite								0.02		
Orthophosphate		*		0.011		0.018	1.32	0.026	0.126	0.009
Sulfate	14808-79-8	250,000		35.2	15.1	47.6		65.1	10.8	5.86
Dissolved Gases (mg/L)										
Carbon Dioxide	124-38-9	*		347.8	429.4	166.2	90.6	150.9	252.3	31.3
Hydrogen (nm/L)	1333-74-0	*		2.4	3.6	2.5	2	2.4	2.4	1.9
Nitrogen	7727-37-9	*		8	5.3	9.7	9.1	7.4	4.9	8.3
Oxygen	7782-44-7	*		0.53	0.33	0.7	1.75	0.61	0.23	2.98
Volatile Gases (µg/L)										
Ethane	74-84-0	*		0.3	0.37		0.02		0.07	
Ethene	74-85-1	*		1.43	1.14	0.05	0.05	0.01	0.18	0.06
Methane	74-82-8	*		253.8	3195.1	156.2	344.2	371	4154.3	22

TABLE 3

DETECTIONS IN GROUNDWATER - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample Date				6/21/2003	6/20/2003	6/20/2003	6/20/2003	6/21/2003	6/21/2003
Volatiles (µg/L)									
1,1-Dichloroethene	75-35-4	7							
1,2-Dichloropropane	78-87-5	5							
1,4-Dichlorobenzene	106-46-7	*		6.6					
Benzene	71-43-2	1		3.18				1.6	1.01
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100		27.2				1.82	
Chloromethane	74-87-3	2.7						1.18	
cis-1,2-Dichloroethene	156-59-2	70		2.4				6.19	63.1
Ethylbenzene	100-41-4	30							
Naphthalene	91-20-3	20							
Tetrachloroethene	127-18-4	3		2.32		5.4			12.3
Toluene	108-88-3	40							
Trichloroethene	79-01-6	3						51.6	969
1,3,5-Trimethylbenzene	108-67-8	10							
Vinyl Chloride	75-01-4	1		3.29				4.16	10.7
Inorganics (µg/L)									
Iron	7439-89-6	300	1227	1670	207.8	1128	2357	1589	1827
Manganese	7439-96-5	50	17	6.6	1.9	9.3	8.9	9.2	2.6
Water Chemistry (mg/L)									
Alkalinity		*		14.5	1.8	13.6	11	18.5	4.4
Ammonia Nitrogen as N		*				0.022		0.034	0.045
Chloride	16887-00-6	250,000		15.6	0.7	5.31		12	11.2
Dissolved Organic Carbon		*		7.26	18.19	5.01	7.83	6.38	5.62
Nitrate	14797-55-8	10,000		0.032	0.032		0.3	0.041	
Nitrite					0.02				
Orthophosphate		*		1.02	0.036	1.38	0.003	0.425	0.024
Sulfate	14808-79-8	250,000		29.1			9.48	11.6	6.49
Dissolved Gases (mg/L)									
Carbon Dioxide	124-38-9	*		302.5	52.9	108.3	166.6	303.8	274.1
Hydrogen (nm/L)	1333-74-0	*		1.6	2.4	2.7	2.8	2.4	1.7
Nitrogen	7727-37-9	*		8.7	9.5	8.5	9.2	6.3	6.4
Oxygen	7782-44-7	*		0.71	1.17	2.27	0.93	0.29	
Volatile Gases (µg/L)									
Ethane	74-84-0	*		0.4				0.47	0.56
Ethene	74-85-1	*		0.67		0.42	0.04	0.54	2.28
Methane	74-82-8	*		466.2	90.3	239.2	371	1420.6	1525.5

TABLE 3

DETECTIONS IN GROUNDWATER - DECEMBER 2002
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

[a] For an organic analyte, the screening criterion is the GCTL; for an inorganic analyte with an established GCTL and BGSV, the screening criterion is the greater of the GCTL or the BGSV. Analytes with no GCTL are not considered to have exceedances.

[b] Groundwater Cleanup Target Level [Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999].

[c] Background Screening Value (Background Sampling Report for NTC, Orlando, Florida; ABB Environmental Services, August 1995) for inorganics only.

[*] Indicates that the screening value is not available.
Empty cells indicate non-detects.
"J" qualifier indicates an estimated value.
NA - Not analyzed.
nm/L - nanomoles per liter.
Only chemicals detected in at least one sample are shown.
Values in shaded cells are equal to or exceed the screening criteria.

TABLE 4

DETECTIONS IN SURFACE WATER - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria Florida SWCTL [a]	OLD-OU2-SW29	OLD-OU2-SW30	OLD-OU2-SW31	OLD-OU2-SW32	OLD-OU2-SW33	OLD-OU2-SW34	OLD-OU2-SW35	OLD-OU2-SW36
Sample ID			OLD-OU2-SW29	OLD-OU2-SW30	OLD-OU2-SW31	OLD-OU2-SW32	OLD-OU2-SW33	OLD-OU2-SW34	OLD-OU2-SW35	OLD-OU2-SW36
Sample Date			6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003
Volatiles (µg/L)										
Carbon Disulfide	75-15-0	105								
cis -1,2-Dichloroethene	156-59-2	*							1.6	
Trichloroethene	79-01-6	80.7[b]								
Inorganics (µg/L)										
Iron	7439-89-6	1000	823.5	858.7	522	513.2	311.1	121.1	1156	221.3
Manganese	7439-96-5	*	10	5	10.2	9	3.6	3.1	6	3
Water Chemistry (mg/L)									**7.83**	
Chloride	16887-00-6	*	9	7.95	9.94	8.92	7.55	8.73	8.9	10.9

Notes:

[a] Surface Water Cleanup Target Level [Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999].

[b] Annual average.

* Indicates that the screening value is not available.

"J" qualifier indicates an estimated value.

Only chemicals detected in at least one sample are shown.

Values in shaded cells are equal to or exceed the screening criteria.

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-01A		OLD-OU2-01B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW01A02	OU2MW01A02-D	OU2MW01B02	OU2MW01BO2-D	NTCOU2G01B04	NTCOU2G01B06
Sample Date				9/21/1999	9/21/1999	7/14/1999	7/14/1999	3/26/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	19400 J	15100 J			NA	
Aluminum Dissolved		*	*	NA	NA	NA	NA	NA	
Antimony	7440-36-0	6	4.1					NA	
Antimony Dissolved		*	*	NA	NA	NA	NA	NA	
Arsenic	7440-38-2	50	5					NA	
Arsenic Dissolved		*	*	NA	NA	NA	NA	NA	
Barium	7440-39-3	2000	31.4	36.5 J	34.2 J			NA	
Barium Dissolved		*	*	NA	NA	NA	NA	NA	
Beryllium	7440-41-7	4	*					NA	
Beryllium Dissolved		*	*	NA	NA	NA	NA	NA	
Calcium	7440-70-2	*	36830	5740 J	12200 J	13200	13200	NA	
Calcium Dissolved		*	*	NA	NA	NA	NA	NA	
Chromium	7440-47-3	100	7.8	18.6 J	15.3 J			NA	
Chromium Dissolved		*	*	NA	NA	NA	NA	NA	
Cobalt	7440-48-4	420	*					NA	
Cobalt Dissolved		*	*	NA	NA	NA	NA	NA	
Copper	7440-50-8	1000	5.4	0.8				NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-01A		OLD-OU2-01B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW01A02	OU2MW01A02-D	OU2MW01B02	OU2MW01BO2-D	NTCOU2G01B04	NTCOU2G01B06
Sample Date				9/21/1999	9/21/1999	7/14/1999	7/14/1999	3/26/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA	NA	NA	
Iron	7439-89-6	300	1227	3330 J	2800 J	1470	1460	NA	2990[d]
Iron Dissolved		*	*					861	
Lead	7439-92-1	15	4	6.8 J	6.1 J			NA	
Lead Dissolved		*	*	NA	NA	NA	NA	NA	
Magnesium	7439-95-4	*	4560	1320 J	1270 J	1300	1280	NA	
Magnesium Dissolved		*	*	NA	NA	NA	NA	NA	
Manganese	7439-96-5	50	17	7.1 J	6.3 J			NA	4.7[d]
Manganese Dissolved		*	*						
Mercury	7439-97-6	2	0.12					NA	
Mercury Dissolved		*	*	NA	NA	NA	NA	NA	
Nickel	7440-02-0	100	*					NA	
Nickel Dissolved		*	*	NA	NA	NA	NA	NA	
Potassium	7440-09-7	*	5400	1580	1590			NA	
Potassium Dissolved		*	*	NA	NA	NA	NA	NA	
Selenium	7782-49-2	50	9.7		3.5			NA	
Selenium Dissolved		*	*	NA	NA	NA	NA	NA	
Sodium	7440-23-5	160000	18222	6600	6770			NA	
Sodium Dissolved		*	*	NA	NA	NA	NA	NA	
Thallium	7440-28-0	2	3.8					NA	
Thallium Dissolved		*	*	NA	NA	NA	NA	NA	
Vanadium	7440-62-2	49	20.6	67.3 J	62.6 J			NA	
Vanadium Dissolved		*	*	NA	NA	NA	NA	NA	
Zinc	7440-66-6	5000	4					NA	
Zinc Dissolved		*	*	NA	NA	NA	NA	NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02A				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW02A02	NTCOU2G02A04	NTCOU2G02A05	NTCOU2G02A06	NTCOU2G02A07
Sample Date				7/13/1999	3/27/2002	6/19/2002	9/11/2002	12/16/2002
Volatiles (µg/L)								
1,1-Dichloroethane	75-34-3	70						
1,2-Dichloroethane	107-06-2	3						
1,2-Dichloropropane	78-87-5	5						
2-Butanone	78-93-3	4200						
Acetone	67-64-1	700						
Benzene	71-43-2	1						
Bromodichloromethane	75-27-4	0.6						
Carbon Disulfide	75-15-0	700						
Chlorobenzene	108-90-7	100						
Chloroethane	75-00-3	12						
Chloroform	67-66-3	5.7						
Chlorodibromomethane	124-48-1	0.4						
Chloromethane	74-87-3	2.7						
cis -1,2-Dichloroethene	156-59-2	70						
Ethylbenzene	100-41-4	30						
Methyl *tert* -Butyl Ether	1634-04-4	50						
Tetrachloroethene	127-18-4	3						
Toluene	108-88-3	40						
Total Xylenes	1330-20-7	20						
Trans-1,2-Dichloroethene	156-60-5	100						
Trichloroethene	79-01-6	3						
Vinyl Chloride	75-01-4	1						
Inorganics (µg/L)								
Aluminum	7429-90-5	200	4067	981	NA	NA		
Aluminum Dissolved		*	*	NA	NA	NA		
Antimony	7440-36-0	6	4.1		NA	NA		
Antimony Dissolved		*	*	NA	NA	NA		
Arsenic	7440-38-2	50	5	2.9	NA	NA		
Arsenic Dissolved		*	*	NA	NA	NA		
Barium	7440-39-3	2000	31.4		NA	NA		
Barium Dissolved		*	*	NA	NA	NA		
Beryllium	7440-41-7	4	*		NA	NA		
Beryllium Dissolved		*	*	NA	NA	NA		
Calcium	7440-70-2	*	36830	11700	NA	NA		
Calcium Dissolved		*	*	NA	NA	NA		
Chromium	7440-47-3	100	7.8		NA	NA		
Chromium Dissolved		*	*	NA	NA	NA		
Cobalt	7440-48-4	420	*		NA	NA		
Cobalt Dissolved		*	*	NA	NA	NA		
Copper	7440-50-8	1000	5.4		NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02A				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW02A02	NTCOU2G02A04	NTCOU2G02A05	NTCOU2G02A06	NTCOU2G02A07
Sample Date				7/13/1999	3/27/2002	6/19/2002	9/11/2002	12/16/2002
Inorganics continued (µg/L)								
Copper Dissolved		*	*	NA	NA	NA		
Iron	7439-89-6	300	1227	3760	NA	5640	25600	30300
Iron Dissolved		*	*		4740	NA		
Lead	7439-92-1	15	4		NA	NA		
Lead Dissolved		*	*	NA	NA	NA		
Magnesium	7439-95-4	*	4560	4200	NA	NA		
Magnesium Dissolved		*	*	NA	NA	NA		
Manganese	7439-96-5	50	17		NA	19	169	214
Manganese Dissolved		*	*		20.3	NA		
Mercury	7439-97-6	2	0.12		NA	NA		
Mercury Dissolved		*	*	NA	NA	NA		
Nickel	7440-02-0	100	*		NA	NA		
Nickel Dissolved		*	*	NA	NA	NA		
Potassium	7440-09-7	*	5400		NA	NA		
Potassium Dissolved		*	*	NA	NA	NA		
Selenium	7782-49-2	50	9.7		NA	NA		
Selenium Dissolved		*	*	NA	NA	NA		
Sodium	7440-23-5	160000	18222		NA	NA		
Sodium Dissolved		*	*	NA	NA	NA		
Thallium	7440-28-0	2	3.8		NA	NA		
Thallium Dissolved		*	*	NA	NA	NA		
Vanadium	7440-62-2	49	20.6		NA	NA		
Vanadium Dissolved		*	*	NA	NA	NA		
Zinc	7440-66-6	5000	4		NA	NA		
Zinc Dissolved		*	*	NA	NA	NA		
Water Chemistry (mg/L)				**NA**				
Alkalinity		*			30	40	330	390
Chloride	16887-00-6	250,000			30	30	33	27
Dissolved Organic Carbon		*			25	24	91	25
Nitrate	14797-55-8	10,000						
Orthophosphate		*						
Sulfate	14808-79-8	250,000					2	0.46
Dissolved Gases (mg/L)				**NA**				
Carbon Dioxide	124-38-9	*			92.3	140.4	474.5	433.7
Hydrogen (nm/L)	1333-74-0	*			2.9	4.6	1.4	1
Nitrogen	7727-37-9	*			8.9	7.8	6.2	4.3
Oxygen	7782-44-7	*			0.69	0.25	0.58	0.17
Volatile Gases (µg/L)				**NA**				
Ethane	74-84-0	*				0.24	0.23	
Ethene	74-85-1	*						0.03
Methane	74-82-8	*			3998.1	3944.4	3307.4	3627.1

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02B				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW02B02	NTCOU2G02B04	NTCOU2G02B05	NTCOU2G02B06	NTCOU2G02B07
Sample Date				7/28/1999	3/27/2002	6/19/2002	9/11/2002	12/16/2002
Volatiles (µg/L)								
1,1-Dichloroethane	75-34-3	70						
1,2-Dichloroethane	107-06-2	3						
1,2-Dichloropropane	78-87-5	5						
2-Butanone	78-93-3	4200						
Acetone	67-64-1	700						
Benzene	71-43-2	1						
Bromodichloromethane	75-27-4	0.6						
Carbon Disulfide	75-15-0	700						
Chlorobenzene	108-90-7	100						
Chloroethane	75-00-3	12						
Chloroform	67-66-3	5.7						
Chlorodibromomethane	124-48-1	0.4						
Chloromethane	74-87-3	2.7						
cis -1,2-Dichloroethene	156-59-2	70						
Ethylbenzene	100-41-4	30						
Methyl *tert* -Butyl Ether	1634-04-4	50						
Tetrachloroethene	127-18-4	3						
Toluene	108-88-3	40						
Total Xylenes	1330-20-7	20						
Trans-1,2-Dichloroethene	156-60-5	100						
Trichloroethene	79-01-6	3						
Vinyl Chloride	75-01-4	1						
Inorganics (µg/L)								
Aluminum	7429-90-5	200	4067	608 J	NA	NA		
Aluminum Dissolved		*	*	NA	NA	NA		
Antimony	7440-36-0	6	4.1		NA	NA		
Antimony Dissolved		*	*	NA	NA	NA		
Arsenic	7440-38-2	50	5		NA	NA		
Arsenic Dissolved		*	*	NA	NA	NA		
Barium	7440-39-3	2000	31.4	22.2	NA	NA		
Barium Dissolved		*	*	NA	NA	NA		
Beryllium	7440-41-7	4	*		NA	NA		
Beryllium Dissolved		*	*	NA	NA	NA		
Calcium	7440-70-2	*	36830	17300 J	NA	NA		
Calcium Dissolved		*	*	NA	NA	NA		
Chromium	7440-47-3	100	7.8		NA	NA		
Chromium Dissolved		*	*	NA	NA	NA		
Cobalt	7440-48-4	420	*		NA	NA		
Cobalt Dissolved		*	*	NA	NA	NA		
Copper	7440-50-8	1000	5.4		NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02B				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW02B02	NTCOU2G02B04	NTCOU2G02B05	NTCOU2G02B06	NTCOU2G02B07
Sample Date				7/28/1999	3/27/2002	6/19/2002	9/11/2002	12/16/2002
Inorganics continued (µg/L)								
Copper Dissolved		*	*	NA	NA	NA		
Iron	7439-89-6	300	1227	3940	NA	2860	2970	3320
Iron Dissolved		*	*	NA	2100	NA		
Lead	7439-92-1	15	4		NA	NA		
Lead Dissolved		*	*	NA	NA	NA		
Magnesium	7439-95-4	*	4560	3330	NA	NA		
Magnesium Dissolved		*	*	NA	NA	NA		
Manganese	7439-96-5	50	17	12.1	NA	10.2	12.8	14.7
Manganese Dissolved		*	*		11.8	NA		
Mercury	7439-97-6	2	0.12		NA	NA		
Mercury Dissolved		*	*	NA	NA	NA		
Nickel	7440-02-0	100	*		NA	NA		
Nickel Dissolved		*	*	NA	NA	NA		
Potassium	7440-09-7	*	5400	1340	NA	NA		
Potassium Dissolved		*	*	NA	NA	NA		
Selenium	7782-49-2	50	9.7		NA	NA		
Selenium Dissolved		*	*	NA	NA	NA		
Sodium	7440-23-5	160000	18222	19100	NA	NA		
Sodium Dissolved		*	*	NA	NA	NA		
Thallium	7440-28-0	2	3.8		NA	NA		
Thallium Dissolved		*	*	NA	NA	NA		
Vanadium	7440-62-2	49	20.6		NA	NA		
Vanadium Dissolved		*	*	NA	NA	NA		
Zinc	7440-66-6	5000	4		NA	NA		
Zinc Dissolved		*	*	NA	NA	NA		
Water Chemistry (mg/L)				**NA**				
Alkalinity		*			NA		NA	13
Chloride	16887-00-6	250,000			40	40	41	43
Dissolved Organic Carbon		*			9	15	19	5.1
Nitrate	14797-55-8	10,000				0.08		
Orthophosphate		*						0.69
Sulfate	14808-79-8	250,000			14.5	12	10	15
Dissolved Gases (mg/L)				**NA**				
Carbon Dioxide	124-38-9	*			140.9	126.5	186.4	185.2
Hydrogen (nm/L)	1333-74-0	*			1.9	1.8	1.7	0.7
Nitrogen	7727-37-9	*			7.6	5.8	11.9	9.1
Oxygen	7782-44-7	*			0.38	0.71	1.24	0.28
Volatile Gases (µg/L)				**NA**				
Ethane	74-84-0	*				0.02	0.03	
Ethene	74-85-1	*				0.02		0.03
Methane	74-82-8	*			202.6	217.2	471.1	202.6

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-03A					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW03A02	NTCOU2G03A04	NTCOU2G03A05	NTCOU2G03A05-D	NTCOU2G03A06	NTCOU2G03A06-D
Sample Date				7/29/1999	3/26/2002	6/19/2002	6/19/2002	9/11/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70						0.4 J	0.5 J
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200				4 J	4 J		
Acetone	67-64-1	700				50 J	43 J		
Benzene	71-43-2	1			1	1	1	6	7
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100			0.4 J	0.5 J	0.6 J	3	4
Chloroethane	75-00-3	12				2	1 J		
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70						2	2
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40				0.4 J	0.5 J		
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1					0.5 J	3	4
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	467	NA	NA	NA		
Aluminum Dissolved		*	*	NA	NA	NA	NA		
Antimony	7440-36-0	6	4.1		NA	NA	NA		
Antimony Dissolved		*	*	NA	NA	NA	NA		
Arsenic	7440-38-2	50	5		NA	NA	NA		
Arsenic Dissolved		*	*	NA	NA	NA	NA		
Barium	7440-39-3	2000	31.4	91.6	NA	NA	NA		
Barium Dissolved		*	*	NA	NA	NA	NA		
Beryllium	7440-41-7	4	*		NA	NA	NA		
Beryllium Dissolved		*	*	NA	NA	NA	NA		
Calcium	7440-70-2	*	36830	31700	NA	NA	NA		
Calcium Dissolved		*	*	NA	NA	NA	NA		
Chromium	7440-47-3	100	7.8		NA	NA	NA		
Chromium Dissolved		*	*	NA	NA	NA	NA		
Cobalt	7440-48-4	420	*	5.2	NA	NA	NA		
Cobalt Dissolved		*	*	NA	NA	NA	NA		
Copper	7440-50-8	1000	5.4	1.4	NA	NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-03A					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW03A02	NTCOU2G03A04	NTCOU2G03A05	NTCOU2G03A05-D	NTCOU2G03A06	NTCOU2G03A06-D
Sample Date				7/29/1999	3/26/2002	6/19/2002	6/19/2002	9/11/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA	NA		
Iron	7439-89-6	300	1227	23700	NA	40100	40000	17600	17000
Iron Dissolved		*	*	NA	1820	NA	NA		
Lead	7439-92-1	15	4		NA	NA	NA		
Lead Dissolved		*	*	NA	NA	NA	NA		
Magnesium	7439-95-4	*	4560	2850	NA	NA	NA		
Magnesium Dissolved		*	*	NA	NA	NA	NA		
Manganese	7439-96-5	50	17	616	NA	623	626	142	140
Manganese Dissolved		*	*		666	NA	NA		
Mercury	7439-97-6	2	0.12		NA	NA	NA		
Mercury Dissolved		*	*	NA	NA	NA	NA		
Nickel	7440-02-0	100	*	16.8	NA	NA	NA		
Nickel Dissolved		*	*	NA	NA	NA	NA		
Potassium	7440-09-7	*	5400	895	NA	NA	NA		
Potassium Dissolved		*	*	NA	NA	NA	NA		
Selenium	7782-49-2	50	9.7		NA	NA	NA		
Selenium Dissolved		*	*	NA	NA	NA	NA		
Sodium	7440-23-5	160000	18222	11500	NA	NA	NA		
Sodium Dissolved		*	*	NA	NA	NA	NA		
Thallium	7440-28-0	2	3.8		NA	NA	NA		
Thallium Dissolved		*	*	NA	NA	NA	NA		
Vanadium	7440-62-2	49	20.6	6.2	NA	NA	NA		
Vanadium Dissolved		*	*	NA	NA	NA	NA		
Zinc	7440-66-6	5000	4	126	NA	NA	NA		
Zinc Dissolved		*	*	NA	NA	NA	NA		
Water Chemistry (mg/L)				**NA**					
Alkalinity		*			220	220	220	90	89
Chloride	16887-00-6	250,000			16	120	120	50	50
Dissolved Organic Carbon		*			30	84	85	42	NA
Nitrate	14797-55-8	10,000			4.3				
Orthophosphate		*							
Sulfate	14808-79-8	250,000			72	100	110		
Dissolved Gases (mg/L)				**NA**			**NA**		**NA**
Carbon Dioxide	124-38-9	*			320.2	345.4		141.7	
Hydrogen (nm/L)	1333-74-0	*			1.1	1.6		2.1	
Nitrogen	7727-37-9	*			6.3	8.9		11.8	
Oxygen	7782-44-7	*			0.14 J	0.44		0.45	
Volatile Gases (µg/L)				**NA**			**NA**		**NA**
Ethane	74-84-0	*			0.26	0.29		0.04	
Ethene	74-85-1	*			0.1	0.25			
Methane	74-82-8	*			3060.8	3815.1		768.9	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-03A	OLD-OU2-03B					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G03A07	OU2MW03B02	NTCOU2G03B04	NTCOU2G03B05	NTCOU2G03B06	NTCOU2G03B07	NTCOU2G03B07-D
Sample Date				12/16/2002	7/29/1999	3/26/2002	6/19/2002	9/11/2002	12/16/2002	12/16/2002
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70								
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5								
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1			3.4 J					
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100			23	7	5	1	2.5	2.7
Chloroethane	75-00-3	12					0.8 J			
Chloroform	67-66-3	5.7								
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7						0.4 J		
cis -1,2-Dichloroethene	156-59-2	70								
Ethylbenzene	100-41-4	30								
Methyl *tert* -Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3								
Toluene	108-88-3	40								
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3							0.77 J	0.66 J
Vinyl Chloride	75-01-4	1								
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067		965	NA	NA			
Aluminum Dissolved		*	*		NA	NA	NA			
Antimony	7440-36-0	6	4.1			NA	NA			
Antimony Dissolved		*	*		NA	NA	NA			
Arsenic	7440-38-2	50	5			NA	NA			
Arsenic Dissolved		*	*		NA	NA	NA			
Barium	7440-39-3	2000	31.4		41.5	NA	NA			
Barium Dissolved		*	*		NA	NA	NA			
Beryllium	7440-41-7	4	*			NA	NA			
Beryllium Dissolved		*	*		NA	NA	NA			
Calcium	7440-70-2	*	36830		41500	NA	NA			
Calcium Dissolved		*	*		NA	NA	NA			
Chromium	7440-47-3	100	7.8			NA	NA			
Chromium Dissolved		*	*		NA	NA	NA			
Cobalt	7440-48-4	420	*		2.4	NA	NA			
Cobalt Dissolved		*	*		NA	NA	NA			
Copper	7440-50-8	1000	5.4		1.1	NA	NA			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-03A	OLD-OU2-03B					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G03A07	OU2MW03B02	NTCOU2G03B04	NTCOU2G03B05	NTCOU2G03B06	NTCOU2G03B07	NTCOU2G03B07-D
Sample Date				12/16/2002	7/29/1999	3/26/2002	6/19/2002	9/11/2002	12/16/2002	12/16/2002
Inorganics continued (µg/L)										
Copper Dissolved		*	*		NA	NA	NA			
Iron	7439-89-6	300	1227	5900	15500	NA	13700	9830	10200	10200
Iron Dissolved		*	*			25400	NA			
Lead	7439-92-1	15	4			NA	NA			
Lead Dissolved		*	*		NA	NA	NA			
Magnesium	7439-95-4	*	4560		8570	NA	NA			
Magnesium Dissolved		*	*		NA	NA	NA			
Manganese	7439-96-5	50	17	105	38.3	NA	23	17	18.6	18.3
Manganese Dissolved		*	*			30.4	NA			
Mercury	7439-97-6	2	0.12			NA	NA			
Mercury Dissolved		*	*		NA	NA	NA			
Nickel	7440-02-0	100	*			NA	NA			
Nickel Dissolved		*	*		NA	NA	NA			
Potassium	7440-09-7	*	5400		2960	NA	NA			
Potassium Dissolved		*	*		NA	NA	NA			
Selenium	7782-49-2	50	9.7			NA	NA			
Selenium Dissolved		*	*		NA	NA	NA			
Sodium	7440-23-5	160000	18222		34100	NA	NA			
Sodium Dissolved		*	*		NA	NA	NA			
Thallium	7440-28-0	2	3.8			NA	NA			
Thallium Dissolved		*	*		NA	NA	NA			
Vanadium	7440-62-2	49	20.6		7.4	NA	NA			
Vanadium Dissolved		*	*		NA	NA	NA			
Zinc	7440-66-6	5000	4			NA	NA			
Zinc Dissolved		*	*		NA	NA	NA			
Water Chemistry (mg/L)					**NA**					
Alkalinity		*		32		100	100	78	75	75
Chloride	16887-00-6	250,000		5.9		52	51	40	41	40
Dissolved Organic Carbon		*		19		24	28	26	7.8	7.6
Nitrate	14797-55-8	10,000								
Orthophosphate		*								0.14
Sulfate	14808-79-8	250,000		3.2		8.1	8.3	9.3	12	12
Dissolved Gases (mg/L)					**NA**					**NA**
Carbon Dioxide	124-38-9	*		75.2		126.2	174.7	422.1	377.8	
Hydrogen (nm/L)	1333-74-0	*		1		1.4	1.7	2.2	0.8	
Nitrogen	7727-37-9	*		9		8.1	10.3	6.5	6	
Oxygen	7782-44-7	*					0.57	0.32	0.2	
Volatile Gases (µg/L)					**NA**					**NA**
Ethane	74-84-0	*				0.05	0.06	0.3		
Ethene	74-85-1	*		0.03		0.03	0.02	0.2	0.18	
Methane	74-82-8	*		2445.7		734.7	1069.1	5672.6	3143.8	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-04A	OLD-OU2-04B	OLD-OU2-05A		OLD-OU2-05B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW04A02	OU2MW04B02	NTCOU2G05A04	NTCOU2G05A06	OU2MW05B02	NTCOU2G05B04
Sample Date				9/23/1999	9/23/1999	3/27/2002	9/11/2002	7/13/1999	3/27/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7					0.4 J		
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	105000 J	560000 J	NA		1070	NA
Aluminum Dissolved		*	*	NA	NA	NA		NA	NA
Antimony	7440-36-0	6	4.1			NA			NA
Antimony Dissolved		*	*	NA	NA	NA		NA	NA
Arsenic	7440-38-2	50	5	5.6	27.1 J	NA			NA
Arsenic Dissolved		*	*	NA	NA	NA		NA	NA
Barium	7440-39-3	2000	31.4	420 J	2270 J	NA		59.4	NA
Barium Dissolved		*	*	NA	NA	NA		NA	NA
Beryllium	7440-41-7	4	*		10.3 J	NA			NA
Beryllium Dissolved		*	*	NA	NA	NA		NA	NA
Calcium	7440-70-2	*	36830	9580 J	44600 J	NA			NA
Calcium Dissolved		*	*	NA	NA	NA		NA	NA
Chromium	7440-47-3	100	7.8	81.2 J	449 J	NA			NA
Chromium Dissolved		*	*	NA	NA	NA		NA	NA
Cobalt	7440-48-4	420	*		39 J	NA			NA
Cobalt Dissolved		*	*	NA	NA	NA		NA	NA
Copper	7440-50-8	1000	5.4	12.2	33.9 J	NA			NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-04A	OLD-OU2-04B	OLD-OU2-05A		OLD-OU2-05B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW04A02	OU2MW04B02	NTCOU2G05A04	NTCOU2G05A06	OU2MW05B02	NTCOU2G05B04
Sample Date				9/23/1999	9/23/1999	3/27/2002	9/11/2002	7/13/1999	3/27/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA		NA	NA
Iron	7439-89-6	300	1227	11000 J	52200 J	NA	3350	1130	NA
Iron Dissolved		*	*			2110			1020
Lead	7439-92-1	15	4	44.5 J	284 J	NA			NA
Lead Dissolved		*	*	NA	NA	NA		NA	NA
Magnesium	7439-95-4	*	4560	3140 J	15400 J	NA		1700	NA
Magnesium Dissolved		*	*	NA	NA	NA		NA	NA
Manganese	7439-96-5	50	17	39.1 J	164 J	NA	1.2		NA
Manganese Dissolved		*	*			1.1			4.3
Mercury	7439-97-6	2	0.12	0.26	3.5	NA			NA
Mercury Dissolved		*	*	NA	NA	NA		NA	NA
Nickel	7440-02-0	100	*	50.6 J	288 J	NA			NA
Nickel Dissolved		*	*	NA	NA	NA		NA	NA
Potassium	7440-09-7	*	5400	1720	20900	NA			NA
Potassium Dissolved		*	*	NA	NA	NA		NA	NA
Selenium	7782-49-2	50	9.7	11.7	31.8	NA			NA
Selenium Dissolved		*	*	NA	NA	NA		NA	NA
Sodium	7440-23-5	160000	18222	4850	29300	NA			NA
Sodium Dissolved		*	*	NA	NA	NA		NA	NA
Thallium	7440-28-0	2	3.8		1.8	NA			NA
Thallium Dissolved		*	*	NA	NA	NA		NA	NA
Vanadium	7440-62-2	49	20.6	132 J	668 J	NA			NA
Vanadium Dissolved		*	*	NA	NA	NA		NA	NA
Zinc	7440-66-6	5000	4	47.9 J	178 J	NA			NA
Zinc Dissolved		*	*	NA	NA	NA		NA	NA
Water Chemistry (mg/L)				**NA**	**NA**		**NA**	**NA**	**NA**
Alkalinity		*				NA			
Chloride	16887-00-6	250,000				40			
Dissolved Organic Carbon		*				NA			
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000				2			
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-05B	OLD-OU2-06A			OLD-OU2-06B	OLD-OU2-07A	OLD-OU2-07B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G05B06	OU2MW06A02	NTCOU2G06A04	NTCOU2G06A06	OU2MW06B02	OU2MW07A02	OU2MW07B02
Sample Date				9/11/2002	7/29/1999	3/28/2002	9/12/2002	9/22/1999	9/22/1999	7/20/1999
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70								
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5								
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1								
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100								
Chloroethane	75-00-3	12								
Chloroform	67-66-3	5.7								
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7					0.6 J			
cis -1,2-Dichloroethene	156-59-2	70								
Ethylbenzene	100-41-4	30								
Methyl *tert* -Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3								
Toluene	108-88-3	40								
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3								
Vinyl Chloride	75-01-4	1								
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067		2490	NA		1110000 J	48700 J	1050
Aluminum Dissolved		*	*		NA	NA		NA	NA	NA
Antimony	7440-36-0	6	4.1			NA				
Antimony Dissolved		*	*		NA	NA		NA	NA	NA
Arsenic	7440-38-2	50	5		6.9	NA		121	3.5	
Arsenic Dissolved		*	*		NA	NA		NA	NA	NA
Barium	7440-39-3	2000	31.4		137	NA		12400 J	161 J	20.3
Barium Dissolved		*	*		NA	NA		NA	NA	NA
Beryllium	7440-41-7	4	*			NA		55.9 J		
Beryllium Dissolved		*	*		NA	NA		NA	NA	NA
Calcium	7440-70-2	*	36830		10600	NA		179000 J	4600 J	3550
Calcium Dissolved		*	*		NA	NA		NA	NA	NA
Chromium	7440-47-3	100	7.8			NA		1490 J	38.5 J	
Chromium Dissolved		*	*		NA	NA		NA	NA	NA
Cobalt	7440-48-4	420	*		1.3	NA				
Cobalt Dissolved		*	*		NA	NA		NA	NA	NA
Copper	7440-50-8	1000	5.4			NA		363	9.7	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-05B	OLD-OU2-06A			OLD-OU2-06B	OLD-OU2-07A	OLD-OU2-07B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G05B06	OU2MW06A02	NTCOU2G06A04	NTCOU2G06A06	OU2MW06B02	OU2MW07A02	OU2MW07B02
Sample Date				9/11/2002	7/29/1999	3/28/2002	9/12/2002	9/22/1999	9/22/1999	7/20/1999
Inorganics continued (µg/L)										
Copper Dissolved		*	*		NA	NA		NA	NA	NA
Iron	7439-89-6	300	1227	998	2990	NA	3010	127000 J	4290 J	696
Iron Dissolved		*	*			1500				
Lead	7439-92-1	15	4			NA		724 J	24.1 J	
Lead Dissolved		*	*		NA	NA		NA	NA	NA
Magnesium	7439-95-4	*	4560		3910	NA		57000 J	2360 J	677
Magnesium Dissolved		*	*		NA	NA		NA	NA	NA
Manganese	7439-96-5	50	17	3.7		NA	3.9	368 J	11 J	
Manganese Dissolved		*	*			5.9				
Mercury	7439-97-6	2	0.12			NA		5.6	0.13	
Mercury Dissolved		*	*		NA	NA		NA	NA	NA
Nickel	7440-02-0	100	*			NA		188 J	15.5 J	
Nickel Dissolved		*	*		NA	NA		NA	NA	NA
Potassium	7440-09-7	*	5400		15100	NA		61500	1500	522
Potassium Dissolved		*	*		NA	NA		NA	NA	NA
Selenium	7782-49-2	50	9.7			NA		87.2		
Selenium Dissolved		*	*		NA	NA		NA	NA	NA
Sodium	7440-23-5	160000	18222		78700	NA		82000	6900	5570
Sodium Dissolved		*	*		NA	NA		NA	NA	NA
Thallium	7440-28-0	2	3.8			NA		4.2		
Thallium Dissolved		*	*		NA	NA		NA	NA	NA
Vanadium	7440-62-2	49	20.6		22.2	NA		1120 J	49.8 J	
Vanadium Dissolved		*	*		NA	NA		NA	NA	NA
Zinc	7440-66-6	5000	4			NA		224 J		
Zinc Dissolved		*	*		NA	NA		NA	NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*								
Chloride	16887-00-6	250,000								
Dissolved Organic Carbon		*								
Nitrate	14797-55-8	10,000								
Orthophosphate		*								
Sulfate	14808-79-8	250,000								
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*								
Hydrogen (nm/L)	1333-74-0	*								
Nitrogen	7727-37-9	*								
Oxygen	7782-44-7	*								
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*								
Ethene	74-85-1	*								
Methane	74-82-8	*								

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-07B		OLD-OU2-08A			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G07B04	NTCOU2G07B06	OU2MW08A02	NTCOU2G08A04	NTCOU2G08A04-D	NTCOU2G08A06
Sample Date				3/26/2002	9/12/2002	9/23/1999	3/28/2002	3/28/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA		4500 J	NA	NA	
Aluminum Dissolved		*	*	NA		NA	NA	NA	
Antimony	7440-36-0	6	4.1	NA			NA	NA	
Antimony Dissolved		*	*	NA		NA	NA	NA	
Arsenic	7440-38-2	50	5	NA			NA	NA	
Arsenic Dissolved		*	*	NA		NA	NA	NA	
Barium	7440-39-3	2000	31.4	NA		52.5 J	NA	NA	
Barium Dissolved		*	*	NA		NA	NA	NA	
Beryllium	7440-41-7	4	*	NA			NA	NA	
Beryllium Dissolved		*	*	NA		NA	NA	NA	
Calcium	7440-70-2	*	36830	NA		74700 J	NA	NA	
Calcium Dissolved		*	*	NA		NA	NA	NA	
Chromium	7440-47-3	100	7.8	NA			NA	NA	
Chromium Dissolved		*	*	NA		NA	NA	NA	
Cobalt	7440-48-4	420	*	NA			NA	NA	
Cobalt Dissolved		*	*	NA		NA	NA	NA	
Copper	7440-50-8	1000	5.4	NA			NA	NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-07B		OLD-OU2-08A			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G07B04	NTCOU2G07B06	OU2MW08A02	NTCOU2G08A04	NTCOU2G08A04-D	NTCOU2G08A06
Sample Date				3/26/2002	9/12/2002	9/23/1999	3/28/2002	3/28/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA		NA	NA	NA	
Iron	7439-89-6	300	1227	NA	841	327 J	NA	NA	183[d]
Iron Dissolved		*	*	1120			269	263	
Lead	7439-92-1	15	4	NA			NA	NA	
Lead Dissolved		*	*	NA		NA	NA	NA	
Magnesium	7439-95-4	*	4560	NA		4090 J	NA	NA	
Magnesium Dissolved		*	*	NA		NA	NA	NA	
Manganese	7439-96-5	50	17	NA	2.6	11.8 J	NA	NA	7.2[d]
Manganese Dissolved		*	*				12.8	12.2	
Mercury	7439-97-6	2	0.12	NA			NA	NA	
Mercury Dissolved		*	*	NA		NA	NA	NA	
Nickel	7440-02-0	100	*	NA			NA	NA	
Nickel Dissolved		*	*	NA		NA	NA	NA	
Potassium	7440-09-7	*	5400	NA		4060	NA	NA	
Potassium Dissolved		*	*	NA		NA	NA	NA	
Selenium	7782-49-2	50	9.7	NA			NA	NA	
Selenium Dissolved		*	*	NA		NA	NA	NA	
Sodium	7440-23-5	160000	18222	NA		15300	NA	NA	
Sodium Dissolved		*	*	NA		NA	NA	NA	
Thallium	7440-28-0	2	3.8	NA			NA	NA	
Thallium Dissolved		*	*	NA		NA	NA	NA	
Vanadium	7440-62-2	49	20.6	NA		7.4 J	NA	NA	
Vanadium Dissolved		*	*	NA		NA	NA	NA	
Zinc	7440-66-6	5000	4	NA			NA	NA	
Zinc Dissolved		*	*	NA		NA	NA	NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-08B			OLD-OU2-09A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW08B02	NTCOU2G08B04	NTCOU2G08B06	OU2MW09A02	NTCOU2G09A04	NTCOU2G09A06
Sample Date				7/15/1999	3/28/2002	9/11/2002	7/16/1999	3/26/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70				0.3 J			
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1			0.5 J	0.2 J			
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							0.3 J
cis -1,2-Dichloroethene	156-59-2	70			0.4 J				
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50			0.6 J	0.5 J			
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3				1			
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	507	NA		754	NA	
Aluminum Dissolved		*	*	NA	NA		NA	NA	
Antimony	7440-36-0	6	4.1		NA			NA	
Antimony Dissolved		*	*	NA	NA		NA	NA	
Arsenic	7440-38-2	50	5	2.7	NA			NA	
Arsenic Dissolved		*	*	NA	NA		NA	NA	
Barium	7440-39-3	2000	31.4	17.7	NA		35.2	NA	
Barium Dissolved		*	*	NA	NA		NA	NA	
Beryllium	7440-41-7	4	*		NA			NA	
Beryllium Dissolved		*	*	NA	NA		NA	NA	
Calcium	7440-70-2	*	36830	4000	NA		10500	NA	
Calcium Dissolved		*	*	NA	NA		NA	NA	
Chromium	7440-47-3	100	7.8		NA			NA	
Chromium Dissolved		*	*	NA	NA		NA	NA	
Cobalt	7440-48-4	420	*		NA			NA	
Cobalt Dissolved		*	*	NA	NA		NA	NA	
Copper	7440-50-8	1000	5.4		NA			NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-08B			OLD-OU2-09A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW08B02	NTCOU2G08B04	NTCOU2G08B06	OU2MW09A02	NTCOU2G09A04	NTCOU2G09A06
Sample Date				7/15/1999	3/28/2002	9/11/2002	7/16/1999	3/26/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA		NA	NA	
Iron	7439-89-6	300	1227	1620 J	NA	982	255 J	NA	234
Iron Dissolved		*	*		1180			410	
Lead	7439-92-1	15	4		NA			NA	
Lead Dissolved		*	*	NA	NA		NA	NA	
Magnesium	7439-95-4	*	4560	2530	NA		4880	NA	
Magnesium Dissolved		*	*	NA	NA		NA	NA	
Manganese	7439-96-5	50	17		NA	3.7		NA	0.7
Manganese Dissolved		*	*		4.4				
Mercury	7439-97-6	2	0.12		NA			NA	
Mercury Dissolved		*	*	NA	NA		NA	NA	
Nickel	7440-02-0	100	*		NA			NA	
Nickel Dissolved		*	*	NA	NA		NA	NA	
Potassium	7440-09-7	*	5400	1260	NA		9130	NA	
Potassium Dissolved		*	*	NA	NA		NA	NA	
Selenium	7782-49-2	50	9.7		NA			NA	
Selenium Dissolved		*	*	NA	NA		NA	NA	
Sodium	7440-23-5	160000	18222	9900	NA		60600	NA	
Sodium Dissolved		*	*	NA	NA		NA	NA	
Thallium	7440-28-0	2	3.8		NA			NA	
Thallium Dissolved		*	*	NA	NA		NA	NA	
Vanadium	7440-62-2	49	20.6		NA		25.6	NA	
Vanadium Dissolved		*	*	NA	NA		NA	NA	
Zinc	7440-66-6	5000	4		NA			NA	
Zinc Dissolved		*	*	NA	NA		NA	NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-09B			OLD-OU2-10A	OLD-OU2-10B	OLD-OU2-11A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW09B02	NTCOU2G09B04	NTCOU2G09B06	OU2MW10A02	OU2MW10B02	OU2MW11A02
Sample Date				7/16/1999	3/26/2002	9/11/2002	6/27/1999	6/27/1999	7/31/1999
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7				0.9 J			
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	1290	NA		2300		1740 J
Aluminum Dissolved		*	*	NA	NA		NA	NA	NA
Antimony	7440-36-0	6	4.1		NA				
Antimony Dissolved		*	*	NA	NA		NA	NA	NA
Arsenic	7440-38-2	50	5		NA		2.6		2.2
Arsenic Dissolved		*	*	NA	NA		NA	NA	NA
Barium	7440-39-3	2000	31.4	27.8	NA				31.2
Barium Dissolved		*	*	NA	NA		NA	NA	NA
Beryllium	7440-41-7	4	*		NA				
Beryllium Dissolved		*	*	NA	NA		NA	NA	NA
Calcium	7440-70-2	*	36830	16100	NA			16300	2780
Calcium Dissolved		*	*	NA	NA		NA	NA	NA
Chromium	7440-47-3	100	7.8		NA				
Chromium Dissolved		*	*	NA	NA		NA	NA	NA
Cobalt	7440-48-4	420	*		NA				
Cobalt Dissolved		*	*	NA	NA		NA	NA	NA
Copper	7440-50-8	1000	5.4		NA				1.7

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-09B			OLD-OU2-10A	OLD-OU2-10B	OLD-OU2-11A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW09B02	NTCOU2G09B04	NTCOU2G09B06	OU2MW10A02	OU2MW10B02	OU2MW11A02
Sample Date				7/16/1999	3/26/2002	9/11/2002	6/27/1999	6/27/1999	7/31/1999
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA		NA	NA	NA
Iron	7439-89-6	300	1227	3340 J	NA	2010		1590	1770
Iron Dissolved		*	*		1440				
Lead	7439-92-1	15	4		NA				
Lead Dissolved		*	*	NA	NA		NA	NA	NA
Magnesium	7439-95-4	*	4560	2990	NA			1630	2310
Magnesium Dissolved		*	*	NA	NA		NA	NA	NA
Manganese	7439-96-5	50	17	7.3	NA	9.7			
Manganese Dissolved		*	*		8.9				
Mercury	7439-97-6	2	0.12		NA				
Mercury Dissolved		*	*	NA	NA		NA	NA	NA
Nickel	7440-02-0	100	*		NA				1.9
Nickel Dissolved		*	*	NA	NA		NA	NA	NA
Potassium	7440-09-7	*	5400	1280	NA				541 J
Potassium Dissolved		*	*	NA	NA		NA	NA	NA
Selenium	7782-49-2	50	9.7		NA				
Selenium Dissolved		*	*	NA	NA		NA	NA	NA
Sodium	7440-23-5	160000	18222	24400	NA				7330
Sodium Dissolved		*	*	NA	NA		NA	NA	NA
Thallium	7440-28-0	2	3.8		NA				
Thallium Dissolved		*	*	NA	NA		NA	NA	NA
Vanadium	7440-62-2	49	20.6		NA				
Vanadium Dissolved		*	*	NA	NA		NA	NA	NA
Zinc	7440-66-6	5000	4		NA				
Zinc Dissolved		*	*	NA	NA		NA	NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-11A			OLD-OU2-11B	OLD-OU2-12A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G11A04	NTCOU2G11A04-D	NTCOU2G11A06	OU2MW11B02	NTCOU2G12A04	NTCOU2G12A06
Sample Date				3/27/2002	3/27/2002	9/11/2002	9/22/1999	3/24/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1					7.6		
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100					4		
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							0.4 J
cis -1,2-Dichloroethene	156-59-2	70					39		
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40					1.2		
Total Xylenes	1330-20-7	20				0.2 J	11		
Trans-1,2-Dichloroethene	156-60-5	100					12		
Trichloroethene	79-01-6	3					1.2		
Vinyl Chloride	75-01-4	1					16		
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA	NA		21400 J	NA	
Aluminum Dissolved		*	*	NA	NA		NA	NA	
Antimony	7440-36-0	6	4.1	NA	NA			NA	
Antimony Dissolved		*	*	NA	NA		NA	NA	
Arsenic	7440-38-2	50	5	NA	NA			NA	
Arsenic Dissolved		*	*	NA	NA		NA	NA	
Barium	7440-39-3	2000	31.4	NA	NA		260 J	NA	
Barium Dissolved		*	*	NA	NA		NA	NA	
Beryllium	7440-41-7	4	*	NA	NA			NA	
Beryllium Dissolved		*	*	NA	NA		NA	NA	
Calcium	7440-70-2	*	36830	NA	NA		24700 J	NA	
Calcium Dissolved		*	*	NA	NA		NA	NA	
Chromium	7440-47-3	100	7.8	NA	NA		25.5 J	NA	
Chromium Dissolved		*	*	NA	NA		NA	NA	
Cobalt	7440-48-4	420	*	NA	NA			NA	
Cobalt Dissolved		*	*	NA	NA		NA	NA	
Copper	7440-50-8	1000	5.4	NA	NA		6.7	NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-11A			OLD-OU2-11B	OLD-OU2-12A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G11A04	NTCOU2G11A04-D	NTCOU2G11A06	OU2MW11B02	NTCOU2G12A04	NTCOU2G12A06
Sample Date				3/27/2002	3/27/2002	9/11/2002	9/22/1999	3/24/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA		NA	NA	
Iron	7439-89-6	300	1227	NA	NA	1000	5290 J	NA	434
Iron Dissolved		*	*	2700	2600			356	
Lead	7439-92-1	15	4	NA	NA		12 J	NA	
Lead Dissolved		*	*	NA	NA		NA	NA	
Magnesium	7439-95-4	*	4560	NA	NA		4320 J	NA	
Magnesium Dissolved		*	*	NA	NA		NA	NA	
Manganese	7439-96-5	50	17	NA	NA	6.2	21 J	NA	1.8
Manganese Dissolved		*	*	3.6	3.6				
Mercury	7439-97-6	2	0.12	NA	NA			NA	
Mercury Dissolved		*	*	NA	NA		NA	NA	
Nickel	7440-02-0	100	*	NA	NA			NA	
Nickel Dissolved		*	*	NA	NA		NA	NA	
Potassium	7440-09-7	*	5400	NA	NA		11400	NA	
Potassium Dissolved		*	*	NA	NA		NA	NA	
Selenium	7782-49-2	50	9.7	NA	NA			NA	
Selenium Dissolved		*	*	NA	NA		NA	NA	
Sodium	7440-23-5	160000	18222	NA	NA		22400	NA	
Sodium Dissolved		*	*	NA	NA		NA	NA	
Thallium	7440-28-0	2	3.8	NA	NA			NA	
Thallium Dissolved		*	*	NA	NA		NA	NA	
Vanadium	7440-62-2	49	20.6	NA	NA		25.8 J	NA	
Vanadium Dissolved		*	*	NA	NA		NA	NA	
Zinc	7440-66-6	5000	4	NA	NA		1550 J	NA	
Zinc Dissolved		*	*	NA	NA		NA	NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-12B				OLD-OU2-13A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW12B02	NTCOU2G12B04	NTCOU2G12B04-D	NTCOU2G12B06	OU2MW13A02	NTCOU2G13A06
Sample Date				7/29/1999	3/25/2002	3/25/2002	9/11/2002	6/26/1999	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1		1.3		1	0.2 J		
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700		1.4	0.5 J				
Chlorobenzene	108-90-7	100				0.9 J			
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							0.4 J
cis -1,2-Dichloroethene	156-59-2	70		0.26 J					
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3		5.1 J	0.9 J				
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3		0.71 J	2	1			
Vinyl Chloride	75-01-4	1		0.64 J					
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	581	NA	NA		887	
Aluminum Dissolved		*	*	NA	NA	NA		NA	
Antimony	7440-36-0	6	4.1		NA	NA			
Antimony Dissolved		*	*	NA	NA	NA		NA	
Arsenic	7440-38-2	50	5		NA	NA			
Arsenic Dissolved		*	*	NA	NA	NA		NA	
Barium	7440-39-3	2000	31.4	8.4	NA	NA		24.6	
Barium Dissolved		*	*	NA	NA	NA		NA	
Beryllium	7440-41-7	4	*		NA	NA			
Beryllium Dissolved		*	*	NA	NA	NA		NA	
Calcium	7440-70-2	*	36830	13100	NA	NA		11200	
Calcium Dissolved		*	*	NA	NA	NA		NA	
Chromium	7440-47-3	100	7.8		NA	NA			
Chromium Dissolved		*	*	NA	NA	NA		NA	
Cobalt	7440-48-4	420	*		NA	NA			
Cobalt Dissolved		*	*	NA	NA	NA		NA	
Copper	7440-50-8	1000	5.4		NA	NA			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-12B				OLD-OU2-13A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW12B02	NTCOU2G12B04	NTCOU2G12B04-D	NTCOU2G12B06	OU2MW13A02	NTCOU2G13A06
Sample Date				7/29/1999	3/25/2002	3/25/2002	9/11/2002	6/26/1999	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA		NA	
Iron	7439-89-6	300	1227	2640	NA	NA	1060		
Iron Dissolved		*	*		1270	1320		NA	
Lead	7439-92-1	15	4		NA	NA			
Lead Dissolved		*	*	NA	NA	NA		NA	
Magnesium	7439-95-4	*	4560	1370	NA	NA			
Magnesium Dissolved		*	*	NA	NA	NA		NA	
Manganese	7439-96-5	50	17	23.3	NA	NA	7.5		
Manganese Dissolved		*	*		8.9	9.2		NA	
Mercury	7439-97-6	2	0.12		NA	NA			
Mercury Dissolved		*	*	NA	NA	NA		NA	
Nickel	7440-02-0	100	*		NA	NA			
Nickel Dissolved		*	*	NA	NA	NA		NA	
Potassium	7440-09-7	*	5400	1600	NA	NA		5620 J	
Potassium Dissolved		*	*	NA	NA	NA		NA	
Selenium	7782-49-2	50	9.7		NA	NA			
Selenium Dissolved		*	*	NA	NA	NA		NA	
Sodium	7440-23-5	160000	18222	9110	NA	NA		24500 J	
Sodium Dissolved		*	*	NA	NA	NA		NA	
Thallium	7440-28-0	2	3.8		NA	NA			
Thallium Dissolved		*	*	NA	NA	NA		NA	
Vanadium	7440-62-2	49	20.6	3.1	NA	NA			
Vanadium Dissolved		*	*	NA	NA	NA		NA	
Zinc	7440-66-6	5000	4		NA	NA			
Zinc Dissolved		*	*	NA	NA	NA		NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-13B				OLD-OU2-14A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW13B02	NTCOU2G13B04	NTCOU2G13B04-D	NTCOU2G13B06	OU2MW14A02	NTCOU2G14A04
Sample Date				6/26/1999	3/26/2002	3/26/2002	9/11/2002	2/15/2000	3/24/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	395	NA	NA			NA
Aluminum Dissolved		*	*	NA	NA	NA		NA	NA
Antimony	7440-36-0	6	4.1	2.4	NA	NA			NA
Antimony Dissolved		*	*	NA	NA	NA		NA	NA
Arsenic	7440-38-2	50	5		NA	NA			NA
Arsenic Dissolved		*	*	NA	NA	NA		NA	NA
Barium	7440-39-3	2000	31.4		NA	NA			NA
Barium Dissolved		*	*	NA	NA	NA		NA	NA
Beryllium	7440-41-7	4	*		NA	NA			NA
Beryllium Dissolved		*	*	NA	NA	NA		NA	NA
Calcium	7440-70-2	*	36830	9410	NA	NA		3030	NA
Calcium Dissolved		*	*	NA	NA	NA		NA	NA
Chromium	7440-47-3	100	7.8		NA	NA			NA
Chromium Dissolved		*	*	NA	NA	NA		NA	NA
Cobalt	7440-48-4	420	*		NA	NA			NA
Cobalt Dissolved		*	*	NA	NA	NA		NA	NA
Copper	7440-50-8	1000	5.4		NA	NA			NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-13B				OLD-OU2-14A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW13B02	NTCOU2G13B04	NTCOU2G13B04-D	NTCOU2G13B06	OU2MW14A02	NTCOU2G14A04
Sample Date				6/26/1999	3/26/2002	3/26/2002	9/11/2002	2/15/2000	3/24/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA		NA	NA
Iron	7439-89-6	300	1227	1210	NA	NA	1230	1540 J	NA
Iron Dissolved		*	*	NA	1550	1510			644
Lead	7439-92-1	15	4		NA	NA			NA
Lead Dissolved		*	*	NA	NA	NA		NA	NA
Magnesium	7439-95-4	*	4560	1540	NA	NA		2910	NA
Magnesium Dissolved		*	*	NA	NA	NA		NA	NA
Manganese	7439-96-5	50	17		NA	NA	7.4		NA
Manganese Dissolved		*	*	NA	9.3	9.4			
Mercury	7439-97-6	2	0.12		NA	NA			NA
Mercury Dissolved		*	*	NA	NA	NA		NA	NA
Nickel	7440-02-0	100	*		NA	NA			NA
Nickel Dissolved		*	*	NA	NA	NA		NA	NA
Potassium	7440-09-7	*	5400		NA	NA		634	NA
Potassium Dissolved		*	*	NA	NA	NA		NA	NA
Selenium	7782-49-2	50	9.7		NA	NA			NA
Selenium Dissolved		*	*	NA	NA	NA		NA	NA
Sodium	7440-23-5	160000	18222		NA	NA			NA
Sodium Dissolved		*	*	NA	NA	NA		NA	NA
Thallium	7440-28-0	2	3.8		NA	NA			NA
Thallium Dissolved		*	*	NA	NA	NA		NA	NA
Vanadium	7440-62-2	49	20.6		NA	NA			NA
Vanadium Dissolved		*	*	NA	NA	NA		NA	NA
Zinc	7440-66-6	5000	4		NA	NA			NA
Zinc Dissolved		*	*	NA	NA	NA		NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-14A	OLD-OU2-14B			OLD-OU2-15A	OLD-OU2-15B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G14A06	OU2MW14B02	NTCOU2G14B04	NTCOU2G14B06	OU2MW15A02	OU2MW15B02
Sample Date				9/11/2002	7/15/1999	3/29/2002	9/11/2002	7/27/1999	7/27/1999
Volatiles (µg/L)									**NA**
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1					0.2 J		
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067		832	NA		764 J	375 J
Aluminum Dissolved		*	*		NA	NA		NA	NA
Antimony	7440-36-0	6	4.1			NA			
Antimony Dissolved		*	*		NA	NA		NA	NA
Arsenic	7440-38-2	50	5			NA			
Arsenic Dissolved		*	*		NA	NA		NA	NA
Barium	7440-39-3	2000	31.4		17.6	NA		45.4	
Barium Dissolved		*	*		NA	NA		NA	NA
Beryllium	7440-41-7	4	*			NA			
Beryllium Dissolved		*	*		NA	NA		NA	NA
Calcium	7440-70-2	*	36830		10500	NA		3710 J	9090 J
Calcium Dissolved		*	*		NA	NA		NA	NA
Chromium	7440-47-3	100	7.8			NA			
Chromium Dissolved		*	*		NA	NA		NA	NA
Cobalt	7440-48-4	420	*			NA			
Cobalt Dissolved		*	*		NA	NA		NA	NA
Copper	7440-50-8	1000	5.4			NA			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-14A	OLD-OU2-14B			OLD-OU2-15A	OLD-OU2-15B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G14A06	OU2MW14B02	NTCOU2G14B04	NTCOU2G14B06	OU2MW15A02	OU2MW15B02
Sample Date				9/11/2002	7/15/1999	3/29/2002	9/11/2002	7/27/1999	7/27/1999
Inorganics continued (µg/L)									
Copper Dissolved		*	*		NA	NA		NA	NA
Iron	7439-89-6	300	1227	1000	2520 J	NA	1790	422	868
Iron Dissolved		*	*			1240			
Lead	7439-92-1	15	4			NA			
Lead Dissolved		*	*		NA	NA		NA	NA
Magnesium	7439-95-4	*	4560		2110	NA		1030	1380
Magnesium Dissolved		*	*		NA	NA		NA	NA
Manganese	7439-96-5	50	17		7.7	NA	6.2		
Manganese Dissolved		*	*			6.6			
Mercury	7439-97-6	2	0.12			NA			
Mercury Dissolved		*	*		NA	NA		NA	NA
Nickel	7440-02-0	100	*			NA			
Nickel Dissolved		*	*		NA	NA		NA	NA
Potassium	7440-09-7	*	5400		1320	NA		6700	1030
Potassium Dissolved		*	*		NA	NA		NA	NA
Selenium	7782-49-2	50	9.7			NA			
Selenium Dissolved		*	*		NA	NA		NA	NA
Sodium	7440-23-5	160000	18222		9500	NA		40400	6110
Sodium Dissolved		*	*		NA	NA		NA	NA
Thallium	7440-28-0	2	3.8			NA			
Thallium Dissolved		*	*		NA	NA		NA	NA
Vanadium	7440-62-2	49	20.6			NA			
Vanadium Dissolved		*	*		NA	NA		NA	NA
Zinc	7440-66-6	5000	4			NA			
Zinc Dissolved		*	*		NA	NA		NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-16A		OLD-OU2-16B	OLD-OU2-17A			OLD-OU2-17B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW16A02	OU2MW16A02-D	OU2MW16B02	OU2MW17A02	NTCOU2G17A04	NTCOU2G17A06	OU2MW17B02
Sample Date				6/30/1999	6/30/1999	6/28/1999	6/29/1999	3/26/2002	9/12/2002	6/29/1999
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70								
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5								
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1								
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100								
Chloroethane	75-00-3	12								
Chloroform	67-66-3	5.7						0.8 J		
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7							0.7 J	
cis -1,2-Dichloroethene	156-59-2	70								
Ethylbenzene	100-41-4	30								
Methyl *tert* -Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3								
Toluene	108-88-3	40								
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3								
Vinyl Chloride	75-01-4	1								
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067	912	862	4160	2500	NA		
Aluminum Dissolved		*	*	NA	NA	NA	NA	NA		NA
Antimony	7440-36-0	6	4.1			2.3	3	NA		
Antimony Dissolved		*	*	NA	NA	NA	NA	NA		NA
Arsenic	7440-38-2	50	5					NA		
Arsenic Dissolved		*	*	NA	NA	NA	NA	NA		NA
Barium	7440-39-3	2000	31.4	30.7	29.9	76.3		NA		
Barium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Beryllium	7440-41-7	4	*					NA		
Beryllium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Calcium	7440-70-2	*	36830			12400	26500	NA		9850
Calcium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Chromium	7440-47-3	100	7.8			7.8		NA		
Chromium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Cobalt	7440-48-4	420	*					NA		
Cobalt Dissolved		*	*	NA	NA	NA	NA	NA		NA
Copper	7440-50-8	1000	5.4					NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-16A		OLD-OU2-16B	OLD-OU2-17A			OLD-OU2-17B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW16A02	OU2MW16A02-D	OU2MW16B02	OU2MW17A02	NTCOU2G17A04	NTCOU2G17A06	OU2MW17B02
Sample Date				6/30/1999	6/30/1999	6/28/1999	6/29/1999	3/26/2002	9/12/2002	6/29/1999
Inorganics continued (µg/L)										
Copper Dissolved		*	*	NA	NA	NA	NA	NA		NA
Iron	7439-89-6	300	1227	546	553	2380	333	NA		886
Iron Dissolved		*	*							
Lead	7439-92-1	15	4					NA		
Lead Dissolved		*	*	NA	NA	NA	NA	NA		NA
Magnesium	7439-95-4	*	4560	2210	2150	1480	8320	NA		2330
Magnesium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Manganese	7439-96-5	50	17					NA		
Manganese Dissolved		*	*							
Mercury	7439-97-6	2	0.12					NA		
Mercury Dissolved		*	*	NA	NA	NA	NA	NA		NA
Nickel	7440-02-0	100	*					NA		
Nickel Dissolved		*	*	NA	NA	NA	NA	NA		NA
Potassium	7440-09-7	*	5400	9070 J	8800 J		10700 J	NA		
Potassium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Selenium	7782-49-2	50	9.7					NA		
Selenium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Sodium	7440-23-5	160000	18222	54100 J	52600 J		51700 J	NA		
Sodium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Thallium	7440-28-0	2	3.8					NA		
Thallium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Vanadium	7440-62-2	49	20.6					NA		
Vanadium Dissolved		*	*	NA	NA	NA	NA	NA		NA
Zinc	7440-66-6	5000	4					NA		
Zinc Dissolved		*	*	NA	NA	NA	NA	NA		NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*								
Chloride	16887-00-6	250,000								
Dissolved Organic Carbon		*								
Nitrate	14797-55-8	10,000								
Orthophosphate		*								
Sulfate	14808-79-8	250,000								
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*								
Hydrogen (nm/L)	1333-74-0	*								
Nitrogen	7727-37-9	*								
Oxygen	7782-44-7	*								
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*								
Ethene	74-85-1	*								
Methane	74-82-8	*								

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-17B		OLD-OU2-18A			OLD-OU2-18B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G17B04	NTCOU2G17B06	OU2MW18A02	NTCOU2G18A04	NTCOU2G18A06	OU2MW18B02
Sample Date				3/26/2002	9/12/2002	7/16/1999	3/24/2002	9/12/2002	7/16/1999
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7			0.5 J			0.5 J	
cis -1,2-Dichloroethene	156-59-2	70							66 J
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							34 J
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							1200 J
Vinyl Chloride	75-01-4	1							20 J
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA		527	NA		565
Aluminum Dissolved		*	*	NA		NA	NA		NA
Antimony	7440-36-0	6	4.1	NA			NA		
Antimony Dissolved		*	*	NA		NA	NA		NA
Arsenic	7440-38-2	50	5	NA			NA		5.2
Arsenic Dissolved		*	*	NA		NA	NA		NA
Barium	7440-39-3	2000	31.4	NA		103	NA		26.3
Barium Dissolved		*	*	NA		NA	NA		NA
Beryllium	7440-41-7	4	*	NA			NA		
Beryllium Dissolved		*	*	NA		NA	NA		NA
Calcium	7440-70-2	*	36830	NA		5400	NA		9350
Calcium Dissolved		*	*	NA		NA	NA		NA
Chromium	7440-47-3	100	7.8	NA			NA		
Chromium Dissolved		*	*	NA		NA	NA		NA
Cobalt	7440-48-4	420	*	NA			NA		
Cobalt Dissolved		*	*	NA		NA	NA		NA
Copper	7440-50-8	1000	5.4	NA			NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-17B		OLD-OU2-18A			OLD-OU2-18B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G17B04	NTCOU2G17B06	OU2MW18A02	NTCOU2G18A04	NTCOU2G18A06	OU2MW18B02
Sample Date				3/26/2002	9/12/2002	7/16/1999	3/24/2002	9/12/2002	7/16/1999
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA		NA	NA		NA
Iron	7439-89-6	300	1227	NA	1270	215 J	NA	110	1580 J
Iron Dissolved		*	*	1460			376		
Lead	7439-92-1	15	4	NA			NA		
Lead Dissolved		*	*	NA		NA	NA		NA
Magnesium	7439-95-4	*	4560	NA		1740	NA		1520
Magnesium Dissolved		*	*	NA		NA	NA		NA
Manganese	7439-96-5	50	17	NA	8.5		NA	2.1	3.6
Manganese Dissolved		*	*	8.4			3.7		
Mercury	7439-97-6	2	0.12	NA			NA		
Mercury Dissolved		*	*	NA		NA	NA		NA
Nickel	7440-02-0	100	*	NA			NA		
Nickel Dissolved		*	*	NA		NA	NA		NA
Potassium	7440-09-7	*	5400	NA		1100	NA		1290
Potassium Dissolved		*	*	NA		NA	NA		NA
Selenium	7782-49-2	50	9.7	NA			NA		
Selenium Dissolved		*	*	NA		NA	NA		NA
Sodium	7440-23-5	160000	18222	NA		2080	NA		7490
Sodium Dissolved		*	*	NA		NA	NA		NA
Thallium	7440-28-0	2	3.8	NA			NA		
Thallium Dissolved		*	*	NA		NA	NA		NA
Vanadium	7440-62-2	49	20.6	NA			NA		
Vanadium Dissolved		*	*	NA		NA	NA		NA
Zinc	7440-66-6	5000	4	NA			NA		
Zinc Dissolved		*	*	NA		NA	NA		NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-18B					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G18B04	NTCOU2G18B05	NTCOU2G18B05-D	NTCOU2G18B05	NTCOU2G18B06	NTCOU2G18B06-D
Sample Date				3/25/2002	6/19/2002	6/19/2002	6/21/2002	9/12/2002	9/12/2002
Volatiles (µg/L)							**NA**		
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7						0.4 J	
cis -1,2-Dichloroethene	156-59-2	70		11	5	6		34 J	20 J
Ethylbenzene	100-41-4	30							0.2 J
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3		14	3	4		9	10
Toluene	108-88-3	40		0.5 J	0.6 J	0.5 J			
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3		250	110	120		180	190
Vinyl Chloride	75-01-4	1		2		1 J		4	3
Inorganics (µg/L)							**NA**		
Aluminum	7429-90-5	200	4067	NA	NA	NA			
Aluminum Dissolved		*	*	NA	NA	NA			
Antimony	7440-36-0	6	4.1	NA	NA	NA			
Antimony Dissolved		*	*	NA	NA	NA			
Arsenic	7440-38-2	50	5	NA	NA	NA			
Arsenic Dissolved		*	*	NA	NA	NA			
Barium	7440-39-3	2000	31.4	NA	NA	NA			
Barium Dissolved		*	*	NA	NA	NA			
Beryllium	7440-41-7	4	*	NA	NA	NA			
Beryllium Dissolved		*	*	NA	NA	NA			
Calcium	7440-70-2	*	36830	NA	NA	NA			
Calcium Dissolved		*	*	NA	NA	NA			
Chromium	7440-47-3	100	7.8	NA	NA	NA			
Chromium Dissolved		*	*	NA	NA	NA			
Cobalt	7440-48-4	420	*	NA	NA	NA			
Cobalt Dissolved		*	*	NA	NA	NA			
Copper	7440-50-8	1000	5.4	NA	NA	NA			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-18B					
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G18B04	NTCOU2G18B05	NTCOU2G18B05-D	NTCOU2G18B05	NTCOU2G18B06	NTCOU2G18B06-D
Sample Date				3/25/2002	6/19/2002	6/19/2002	6/21/2002	9/12/2002	9/12/2002
Inorganics continued (µg/L)							**NA**		
Copper Dissolved		*	*	NA	NA	NA			
Iron	7439-89-6	300	1227	NA	1280	1330		917	955
Iron Dissolved		*	*	1470	NA	NA			
Lead	7439-92-1	15	4	NA	NA	NA			
Lead Dissolved		*	*	NA	NA	NA			
Magnesium	7439-95-4	*	4560	NA	NA	NA			
Magnesium Dissolved		*	*	NA	NA	NA			
Manganese	7439-96-5	50	17	NA	15.9	17.2		14.2	14.2
Manganese Dissolved		*	*	20.2	NA	NA			
Mercury	7439-97-6	2	0.12	NA	NA	NA			
Mercury Dissolved		*	*	NA	NA	NA			
Nickel	7440-02-0	100	*	NA	NA	NA			
Nickel Dissolved		*	*	NA	NA	NA			
Potassium	7440-09-7	*	5400	NA	NA	NA			
Potassium Dissolved		*	*	NA	NA	NA			
Selenium	7782-49-2	50	9.7	NA	NA	NA			
Selenium Dissolved		*	*	NA	NA	NA			
Sodium	7440-23-5	160000	18222	NA	NA	NA			
Sodium Dissolved		*	*	NA	NA	NA			
Thallium	7440-28-0	2	3.8	NA	NA	NA			
Thallium Dissolved		*	*	NA	NA	NA			
Vanadium	7440-62-2	49	20.6	NA	NA	NA			
Vanadium Dissolved		*	*	NA	NA	NA			
Zinc	7440-66-6	5000	4	NA	NA	NA			
Zinc Dissolved		*	*	NA	NA	NA			
Water Chemistry (mg/L)								**NA**	**NA**
Alkalinity		*			NA	NA	NA		
Chloride	16887-00-6	250,000		13	NA	NA	8 J		
Dissolved Organic Carbon		*		7.8	12	10	NA		
Nitrate	14797-55-8	10,000			NA	NA			
Orthophosphate		*							
Sulfate	14808-79-8	250,000		1	NA	NA	2		
Dissolved Gases (mg/L)						**NA**	**NA**		**NA**
Carbon Dioxide	124-38-9	*		131.7	147.1			148.2	
Hydrogen (nm/L)	1333-74-0	*		1.4	2.2			2.8	
Nitrogen	7727-37-9	*		9.7	11.9			12.3	
Oxygen	7782-44-7	*		0.45	0.36			0.81	
Volatile Gases (µg/L)						**NA**	**NA**		**NA**
Ethane	74-84-0	*		0.12	0.09			0.5	
Ethene	74-85-1	*		1.03	1.12			1.53	
Methane	74-82-8	*		461.3	395.4			768.9	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-18B		OLD-OU2-19A	OLD-OU2-19B	OLD-OU2-20A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G18B07	NTCOU2G18B07-D	OU2MW19A02	OU2MW19B02	OU2MW20A02	NTCOU2G20A04	NTCOU2G20A06
Sample Date				12/16/2002	12/16/2002	6/29/1999	6/29/1999	7/21/1999	3/26/2002	9/12/2002
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70			0.58 J					
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5		1.5 J						
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1								
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700						0.87 J		
Chlorobenzene	108-90-7	100						0.16 J		
Chloroethane	75-00-3	12								
Chloroform	67-66-3	5.7								
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7						0.19 J		
cis -1,2-Dichloroethene	156-59-2	70		35 J	75 J					
Ethylbenzene	100-41-4	30								
Methyl *tert* -Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3		17	21					
Toluene	108-88-3	40		1.1 J	1.5 J					
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3		580 J	1100 J					
Vinyl Chloride	75-01-4	1		22	28					
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067			847	466	251	NA	
Aluminum Dissolved		*	*			NA	NA	NA	NA	
Antimony	7440-36-0	6	4.1			2.5			NA	
Antimony Dissolved		*	*			NA	NA	NA	NA	
Arsenic	7440-38-2	50	5						NA	
Arsenic Dissolved		*	*			NA	NA	NA	NA	
Barium	7440-39-3	2000	31.4			24.2	23.5		NA	
Barium Dissolved		*	*			NA	NA	NA	NA	
Beryllium	7440-41-7	4	*						NA	
Beryllium Dissolved		*	*			NA	NA	NA	NA	
Calcium	7440-70-2	*	36830				13500	3170	NA	
Calcium Dissolved		*	*			NA	NA	NA	NA	
Chromium	7440-47-3	100	7.8						NA	
Chromium Dissolved		*	*			NA	NA	NA	NA	
Cobalt	7440-48-4	420	*						NA	
Cobalt Dissolved		*	*			NA	NA	NA	NA	
Copper	7440-50-8	1000	5.4				5.4		NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-18B		OLD-OU2-19A	OLD-OU2-19B	OLD-OU2-20A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G18B07	NTCOU2G18B07-D	OU2MW19A02	OU2MW19B02	OU2MW20A02	NTCOU2G20A04	NTCOU2G20A06
Sample Date				12/16/2002	12/16/2002	6/29/1999	6/29/1999	7/21/1999	3/26/2002	9/12/2002
Inorganics continued (µg/L)										
Copper Dissolved		*	*			NA	NA	NA	NA	
Iron	7439-89-6	300	1227	979	1010	850	2190	544	NA	323
Iron Dissolved		*	*						1380	
Lead	7439-92-1	15	4						NA	
Lead Dissolved		*	*			NA	NA	NA	NA	
Magnesium	7439-95-4	*	4560			2560	3020	1570	NA	
Magnesium Dissolved		*	*			NA	NA	NA	NA	
Manganese	7439-96-5	50	17	11.9	11.8				NA	1.3
Manganese Dissolved		*	*							
Mercury	7439-97-6	2	0.12						NA	
Mercury Dissolved		*	*			NA	NA	NA	NA	
Nickel	7440-02-0	100	*						NA	
Nickel Dissolved		*	*			NA	NA	NA	NA	
Potassium	7440-09-7	*	5400					608	NA	
Potassium Dissolved		*	*			NA	NA	NA	NA	
Selenium	7782-49-2	50	9.7						NA	
Selenium Dissolved		*	*			NA	NA	NA	NA	
Sodium	7440-23-5	160000	18222					6270	NA	
Sodium Dissolved		*	*			NA	NA	NA	NA	
Thallium	7440-28-0	2	3.8						NA	
Thallium Dissolved		*	*			NA	NA	NA	NA	
Vanadium	7440-62-2	49	20.6					37.1	NA	
Vanadium Dissolved		*	*			NA	NA	NA	NA	
Zinc	7440-66-6	5000	4						NA	
Zinc Dissolved		*	*			NA	NA	NA	NA	
Water Chemistry (mg/L)						**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*		8.8 J	4.9 J					
Chloride	16887-00-6	250,000		8.4	8.7					
Dissolved Organic Carbon		*		NA	NA					
Nitrate	14797-55-8	10,000								
Orthophosphate		*		1.1	1.1					
Sulfate	14808-79-8	250,000		3.7	3.5					
Dissolved Gases (mg/L)					**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*		171.2						
Hydrogen (nm/L)	1333-74-0	*		1.3						
Nitrogen	7727-37-9	*		9.9						
Oxygen	7782-44-7	*		0.45						
Volatile Gases (µg/L)					**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*		0.25						
Ethene	74-85-1	*		3.35						
Methane	74-82-8	*		988.5						

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-20B			OLD-OU2-21A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW20B02	NTCOU2G20B04	NTCOU2G20B06	OU2MW21A02	NTCOU2G21A04	NTCOU2G21A05
Sample Date				7/21/1999	3/26/2002	9/12/2002	7/27/1999	3/26/2002	6/20/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis-1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	1100	NA		307 J	NA	NA
Aluminum Dissolved		*	*	NA	NA		NA	NA	NA
Antimony	7440-36-0	6	4.1		NA			NA	NA
Antimony Dissolved		*	*	NA	NA		NA	NA	NA
Arsenic	7440-38-2	50	5		NA			NA	NA
Arsenic Dissolved		*	*	NA	NA		NA	NA	NA
Barium	7440-39-3	2000	31.4	16.8	NA			NA	NA
Barium Dissolved		*	*	NA	NA		NA	NA	NA
Beryllium	7440-41-7	4	*		NA			NA	NA
Beryllium Dissolved		*	*	NA	NA		NA	NA	NA
Calcium	7440-70-2	*	36830	10500	NA		851 J	NA	NA
Calcium Dissolved		*	*	NA	NA		NA	NA	NA
Chromium	7440-47-3	100	7.8		NA			NA	NA
Chromium Dissolved		*	*	NA	NA		NA	NA	NA
Cobalt	7440-48-4	420	*		NA			NA	NA
Cobalt Dissolved		*	*	NA	NA		NA	NA	NA
Copper	7440-50-8	1000	5.4		NA			NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-20B			OLD-OU2-21A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW20B02	NTCOU2G20B04	NTCOU2G20B06	OU2MW21A02	NTCOU2G21A04	NTCOU2G21A05
Sample Date				7/21/1999	3/26/2002	9/12/2002	7/27/1999	3/26/2002	6/20/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA		NA	NA	NA
Iron	7439-89-6	300	1227	1150	NA	1720	1140	NA	2130
Iron Dissolved		*	*		2730			802	NA
Lead	7439-92-1	15	4		NA			NA	NA
Lead Dissolved		*	*	NA	NA		NA	NA	NA
Magnesium	7439-95-4	*	4560	1140	NA		1590	NA	NA
Magnesium Dissolved		*	*	NA	NA		NA	NA	NA
Manganese	7439-96-5	50	17		NA	6.5		NA	
Manganese Dissolved		*	*		10.1				NA
Mercury	7439-97-6	2	0.12		NA			NA	NA
Mercury Dissolved		*	*	NA	NA		NA	NA	NA
Nickel	7440-02-0	100	*		NA			NA	NA
Nickel Dissolved		*	*	NA	NA		NA	NA	NA
Potassium	7440-09-7	*	5400	1230	NA			NA	NA
Potassium Dissolved		*	*	NA	NA		NA	NA	NA
Selenium	7782-49-2	50	9.7		NA			NA	NA
Selenium Dissolved		*	*	NA	NA		NA	NA	NA
Sodium	7440-23-5	160000	18222	6990	NA		2440	NA	NA
Sodium Dissolved		*	*	NA	NA		NA	NA	NA
Thallium	7440-28-0	2	3.8		NA			NA	NA
Thallium Dissolved		*	*	NA	NA		NA	NA	NA
Vanadium	7440-62-2	49	20.6		NA			NA	NA
Vanadium Dissolved		*	*	NA	NA		NA	NA	NA
Zinc	7440-66-6	5000	4	50.8	NA			NA	NA
Zinc Dissolved		*	*	NA	NA		NA	NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**		
Alkalinity		*						NA	NA
Chloride	16887-00-6	250,000						11	10
Dissolved Organic Carbon		*						4	6.9
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000						4	9.1
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**		
Carbon Dioxide	124-38-9	*						72.6	57.7
Hydrogen (nm/L)	1333-74-0	*						1.6	1.6
Nitrogen	7727-37-9	*						11	10.6
Oxygen	7782-44-7	*						0.93	0.33
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**		
Ethane	74-84-0	*						0.01	
Ethene	74-85-1	*							
Methane	74-82-8	*						236.8	219.7

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-21A		OLD-OU2-21B				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G21A06	NTCOU2G21A07	OU2MW21B02	NTCOU2G21B04	NTCOU2G21B05	NTCOU2G21B06	NTCOU2G21B07
Sample Date				9/13/2002	12/16/2002	7/27/1999	3/26/2002	6/20/2002	9/13/2002	12/17/2002
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70								
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5								
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1								
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100								
Chloroethane	75-00-3	12								
Chloroform	67-66-3	5.7								
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7								
cis-1,2-Dichloroethene	156-59-2	70								
Ethylbenzene	100-41-4	30								
Methyl *tert*-Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3								
Toluene	108-88-3	40		10						
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3			5.7					
Vinyl Chloride	75-01-4	1								
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067			347 J	NA	NA		
Aluminum Dissolved		*	*			NA	NA	NA		
Antimony	7440-36-0	6	4.1				NA	NA		
Antimony Dissolved		*	*			NA	NA	NA		
Arsenic	7440-38-2	50	5				NA	NA		
Arsenic Dissolved		*	*			NA	NA	NA		
Barium	7440-39-3	2000	31.4				NA	NA		
Barium Dissolved		*	*			NA	NA	NA		
Beryllium	7440-41-7	4	*				NA	NA		
Beryllium Dissolved		*	*			NA	NA	NA		
Calcium	7440-70-2	*	36830			12900 J	NA	NA		
Calcium Dissolved		*	*			NA	NA	NA		
Chromium	7440-47-3	100	7.8				NA	NA		
Chromium Dissolved		*	*			NA	NA	NA		
Cobalt	7440-48-4	420	*				NA	NA		
Cobalt Dissolved		*	*			NA	NA	NA		
Copper	7440-50-8	1000	5.4				NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-21A		OLD-OU2-21B				
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G21A06	NTCOU2G21A07	OU2MW21B02	NTCOU2G21B04	NTCOU2G21B05	NTCOU2G21B06	NTCOU2G21B07
Sample Date				9/13/2002	12/16/2002	7/27/1999	3/26/2002	6/20/2002	9/13/2002	12/17/2002
Inorganics continued (µg/L)										
Copper Dissolved		*	*			NA	NA	NA		
Iron	7439-89-6	300	1227	1020		2500	NA	1380	1320	1300
Iron Dissolved		*	*				3020	NA		
Lead	7439-92-1	15	4				NA	NA		
Lead Dissolved		*	*			NA	NA	NA		
Magnesium	7439-95-4	*	4560			1730	NA	NA		
Magnesium Dissolved		*	*			NA	NA	NA		
Manganese	7439-96-5	50	17			6.5	NA	10.1	9.1	8.8
Manganese Dissolved		*	*				15.7	NA		
Mercury	7439-97-6	2	0.12				NA	NA		
Mercury Dissolved		*	*			NA	NA	NA		
Nickel	7440-02-0	100	*				NA	NA		
Nickel Dissolved		*	*			NA	NA	NA		
Potassium	7440-09-7	*	5400			5360	NA	NA		
Potassium Dissolved		*	*			NA	NA	NA		
Selenium	7782-49-2	50	9.7				NA	NA		
Selenium Dissolved		*	*			NA	NA	NA		
Sodium	7440-23-5	160000	18222			10300	NA	NA		
Sodium Dissolved		*	*			NA	NA	NA		
Thallium	7440-28-0	2	3.8				NA	NA		
Thallium Dissolved		*	*			NA	NA	NA		
Vanadium	7440-62-2	49	20.6				NA	NA		
Vanadium Dissolved		*	*			NA	NA	NA		
Zinc	7440-66-6	5000	4				NA	NA		
Zinc Dissolved		*	*			NA	NA	NA		
Water Chemistry (mg/L)						**NA**				
Alkalinity		*		NA	NA		30	30	30	20
Chloride	16887-00-6	250,000		5	8.6		20	10	16	17
Dissolved Organic Carbon		*		13	1.2		11	12	15	3.5
Nitrate	14797-55-8	10,000								
Orthophosphate		*								1.6
Sulfate	14808-79-8	250,000		3.2	2.9		1			2.3
Dissolved Gases (mg/L)						**NA**				
Carbon Dioxide	124-38-9	*		69.2	66.5		137.9	90.9	203.3	196.2
Hydrogen (nm/L)	1333-74-0	*		12.3	4.7		1.8	2.3	4.3	5.9
Nitrogen	7727-37-9	*		10.8	9.9		6.8	3.3	10.9	9.5
Oxygen	7782-44-7	*		0.47	0.63		0.46		0.34	0.83
Volatile Gases (µg/L)						**NA**				
Ethane	74-84-0	*		0.04			0.21	0.07	0.08	
Ethene	74-85-1	*		0.11				0.03	0.15	0.04
Methane	74-82-8	*		1047.1	197.7		2965.6	1232.6	4820.7	4034.7

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-22A				OLD-OU2-22B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW22A02	OU2MW22A02D	NTCOU2G22A04	NTCOU2G22A06	OU2MW22B02	NTCOU2G22B04
Sample Date				9/23/1999	9/23/1999	3/24/2002	9/12/2002	7/30/1999	3/24/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7					0.9 J		
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	798 J	925 J	NA			NA
Aluminum Dissolved		*	*	NA	NA	NA		NA	NA
Antimony	7440-36-0	6	4.1			NA			NA
Antimony Dissolved		*	*	NA	NA	NA		NA	NA
Arsenic	7440-38-2	50	5	5.3	3.5	NA			NA
Arsenic Dissolved		*	*	NA	NA	NA		NA	NA
Barium	7440-39-3	2000	31.4	30 J	30.7 J	NA		13	NA
Barium Dissolved		*	*	NA	NA	NA		NA	NA
Beryllium	7440-41-7	4	*			NA			NA
Beryllium Dissolved		*	*	NA	NA	NA		NA	NA
Calcium	7440-70-2	*	36830	11200 J	10800 J	NA		11600	NA
Calcium Dissolved		*	*	NA	NA	NA		NA	NA
Chromium	7440-47-3	100	7.8			NA			NA
Chromium Dissolved		*	*	NA	NA	NA		NA	NA
Cobalt	7440-48-4	420	*			NA			NA
Cobalt Dissolved		*	*	NA	NA	NA		NA	NA
Copper	7440-50-8	1000	5.4			NA			NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-22A				OLD-OU2-22B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OU2MW22A02	OU2MW22A02D	NTCOU2G22A04	NTCOU2G22A06	OU2MW22B02	NTCOU2G22B04
Sample Date				9/23/1999	9/23/1999	3/24/2002	9/12/2002	7/30/1999	3/24/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA		NA	NA
Iron	7439-89-6	300	1227	1740 J	1800 J	NA	8050	1750	NA
Iron Dissolved		*	*			3830			662
Lead	7439-92-1	15	4			NA			NA
Lead Dissolved		*	*	NA	NA	NA		NA	NA
Magnesium	7439-95-4	*	4560	3340 J	3370 J	NA		1460	NA
Magnesium Dissolved		*	*	NA	NA	NA		NA	NA
Manganese	7439-96-5	50	17	5.7 J	5.8 J	NA	10.4		NA
Manganese Dissolved		*	*			5.1			6
Mercury	7439-97-6	2	0.12			NA			NA
Mercury Dissolved		*	*	NA	NA	NA		NA	NA
Nickel	7440-02-0	100	*			NA			NA
Nickel Dissolved		*	*	NA	NA	NA		NA	NA
Potassium	7440-09-7	*	5400	1620	1650	NA		1250	NA
Potassium Dissolved		*	*	NA	NA	NA		NA	NA
Selenium	7782-49-2	50	9.7			NA			NA
Selenium Dissolved		*	*	NA	NA	NA		NA	NA
Sodium	7440-23-5	160000	18222	13800	13900	NA		11800	NA
Sodium Dissolved		*	*	NA	NA	NA		NA	NA
Thallium	7440-28-0	2	3.8			NA			NA
Thallium Dissolved		*	*	NA	NA	NA		NA	NA
Vanadium	7440-62-2	49	20.6	20.6 J	21.4 J	NA		3	NA
Vanadium Dissolved		*	*	NA	NA	NA		NA	NA
Zinc	7440-66-6	5000	4	86.7 J	92.1 J	NA			NA
Zinc Dissolved		*	*	NA	NA	NA		NA	NA
Water Chemistry (mg/L)				**NA**	**NA**	**NA**		**NA**	**NA**
Alkalinity		*					NA		
Chloride	16887-00-6	250,000					NA		
Dissolved Organic Carbon		*					20		
Nitrate	14797-55-8	10,000					NA		
Orthophosphate		*							
Sulfate	14808-79-8	250,000					NA		
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**		**NA**	**NA**
Carbon Dioxide	124-38-9	*					79.5		
Hydrogen (nm/L)	1333-74-0	*					3.3		
Nitrogen	7727-37-9	*					11.3		
Oxygen	7782-44-7	*					0.66		
Volatile Gases (µg/L)				**NA**	**NA**	**NA**		**NA**	**NA**
Ethane	74-84-0	*					0.06		
Ethene	74-85-1	*					0.03		
Methane	74-82-8	*					351.5		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-22B	OLD-OU2-23C	OLD-OU2-24C	OLD-OU2-25C	OLD-OU2-26C	OLD-OU2-27A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G22B06	OU2MW23C02	OU2MW24C02	OU2MW25C02	OU2MW26C02	NTCOU2G27A04
Sample Date				9/12/2002	8/1/1999	8/2/1999	8/2/1999	8/2/1999	3/26/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							0.8 J
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							2
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis-1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067						NA
Aluminum Dissolved		*	*		NA	NA	NA	NA	NA
Antimony	7440-36-0	6	4.1						NA
Antimony Dissolved		*	*		NA	NA	NA	NA	NA
Arsenic	7440-38-2	50	5				2.7		NA
Arsenic Dissolved		*	*		NA	NA	NA	NA	NA
Barium	7440-39-3	2000	31.4		26.4	23.4	31.5	15.3	NA
Barium Dissolved		*	*		NA	NA	NA	NA	NA
Beryllium	7440-41-7	4	*						NA
Beryllium Dissolved		*	*		NA	NA	NA	NA	NA
Calcium	7440-70-2	*	36830		75600	15300	98300	97100	NA
Calcium Dissolved		*	*		NA	NA	NA	NA	NA
Chromium	7440-47-3	100	7.8		19.8			13.5	NA
Chromium Dissolved		*	*		NA	NA	NA	NA	NA
Cobalt	7440-48-4	420	*						NA
Cobalt Dissolved		*	*		NA	NA	NA	NA	NA
Copper	7440-50-8	1000	5.4						NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-22B	OLD-OU2-23C	OLD-OU2-24C	OLD-OU2-25C	OLD-OU2-26C	OLD-OU2-27A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G22B06	OU2MW23C02	OU2MW24C02	OU2MW25C02	OU2MW26C02	NTCOU2G27A04
Sample Date				9/12/2002	8/1/1999	8/2/1999	8/2/1999	8/2/1999	3/26/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*		NA	NA	NA	NA	NA
Iron	7439-89-6	300	1227	865	1910	1920	3340	4670	NA
Iron Dissolved		*	*						4970
Lead	7439-92-1	15	4						NA
Lead Dissolved		*	*		NA	NA	NA	NA	NA
Magnesium	7439-95-4	*	4560		4140	2170	5240	5030	NA
Magnesium Dissolved		*	*		NA	NA	NA	NA	NA
Manganese	7439-96-5	50	17	6.4	56.2	26.6	98	46.4	NA
Manganese Dissolved		*	*						244
Mercury	7439-97-6	2	0.12						NA
Mercury Dissolved		*	*		NA	NA	NA	NA	NA
Nickel	7440-02-0	100	*		10.5	2.2	3.4	2	NA
Nickel Dissolved		*	*		NA	NA	NA	NA	NA
Potassium	7440-09-7	*	5400		2630 J	3160 J	2360 J		NA
Potassium Dissolved		*	*		NA	NA	NA	NA	NA
Selenium	7782-49-2	50	9.7						NA
Selenium Dissolved		*	*		NA	NA	NA	NA	NA
Sodium	7440-23-5	160000	18222		26600	10600	10300	12300	NA
Sodium Dissolved		*	*		NA	NA	NA	NA	NA
Thallium	7440-28-0	2	3.8						NA
Thallium Dissolved		*	*		NA	NA	NA	NA	NA
Vanadium	7440-62-2	49	20.6						NA
Vanadium Dissolved		*	*		NA	NA	NA	NA	NA
Zinc	7440-66-6	5000	4						NA
Zinc Dissolved		*	*		NA	NA	NA	NA	NA
Water Chemistry (mg/L)					**NA**	**NA**	**NA**	**NA**	
Alkalinity		*		NA					NA
Chloride	16887-00-6	250,000		NA					10
Dissolved Organic Carbon		*		14					26
Nitrate	14797-55-8	10,000		NA					
Orthophosphate		*							
Sulfate	14808-79-8	250,000		NA					40
Dissolved Gases (mg/L)					**NA**	**NA**	**NA**	**NA**	
Carbon Dioxide	124-38-9	*		92.1					306.5
Hydrogen (nm/L)	1333-74-0	*		2.9					1.3
Nitrogen	7727-37-9	*		12.2					7.9
Oxygen	7782-44-7	*		5.45					0.59
Volatile Gases (µg/L)					**NA**	**NA**	**NA**	**NA**	
Ethane	74-84-0	*							0.14
Ethene	74-85-1	*							0.15
Methane	74-82-8	*		0.4					202.6

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27A				OLD-OU2-27B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G27A05	NTCOU2G27A06	NTCOU2G27A06-D	NTCOU2G27A07	NTCOU2G27B04	NTCOU2G27B05
Sample Date				6/19/2002	9/12/2002	9/12/2002	12/17/2002	3/26/2002	6/19/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1		1 J	2	2	1.5	56	54
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100		3	16	16	13	72	49
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70			2 J	1 J	1.6	6	5
Ethylbenzene	100-41-4	30					0.94 J	0.9 J	0.6 J
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40						0.6 J	0.6 J
Total Xylenes	1330-20-7	20			0.3 J	0.2 J			
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1			9	8	17	4	5
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA				NA	NA
Aluminum Dissolved		*	*	NA				NA	NA
Antimony	7440-36-0	6	4.1	NA				NA	NA
Antimony Dissolved		*	*	NA				NA	NA
Arsenic	7440-38-2	50	5	NA				NA	NA
Arsenic Dissolved		*	*	NA				NA	NA
Barium	7440-39-3	2000	31.4	NA				NA	NA
Barium Dissolved		*	*	NA				NA	NA
Beryllium	7440-41-7	4	*	NA				NA	NA
Beryllium Dissolved		*	*	NA				NA	NA
Calcium	7440-70-2	*	36830	NA				NA	NA
Calcium Dissolved		*	*	NA				NA	NA
Chromium	7440-47-3	100	7.8	NA				NA	NA
Chromium Dissolved		*	*	NA				NA	NA
Cobalt	7440-48-4	420	*	NA				NA	NA
Cobalt Dissolved		*	*	NA				NA	NA
Copper	7440-50-8	1000	5.4	NA				NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27A				OLD-OU2-27B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G27A05	NTCOU2G27A06	NTCOU2G27A06-D	NTCOU2G27A07	NTCOU2G27B04	NTCOU2G27B05
Sample Date				6/19/2002	9/12/2002	9/12/2002	12/17/2002	3/26/2002	6/19/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA				NA	NA
Iron	7439-89-6	300	1227	3040	4640	4460	14000	NA	2220
Iron Dissolved		*	*	NA				2010	NA
Lead	7439-92-1	15	4	NA				NA	NA
Lead Dissolved		*	*	NA				NA	NA
Magnesium	7439-95-4	*	4560	NA				NA	NA
Magnesium Dissolved		*	*	NA				NA	NA
Manganese	7439-96-5	50	17	173	165	160	407	NA	9.2
Manganese Dissolved		*	*	NA				11	NA
Mercury	7439-97-6	2	0.12	NA				NA	NA
Mercury Dissolved		*	*	NA				NA	NA
Nickel	7440-02-0	100	*	NA				NA	NA
Nickel Dissolved		*	*	NA				NA	NA
Potassium	7440-09-7	*	5400	NA				NA	NA
Potassium Dissolved		*	*	NA				NA	NA
Selenium	7782-49-2	50	9.7	NA				NA	NA
Selenium Dissolved		*	*	NA				NA	NA
Sodium	7440-23-5	160000	18222	NA				NA	NA
Sodium Dissolved		*	*	NA				NA	NA
Thallium	7440-28-0	2	3.8	NA				NA	NA
Thallium Dissolved		*	*	NA				NA	NA
Vanadium	7440-62-2	49	20.6	NA				NA	NA
Vanadium Dissolved		*	*	NA				NA	NA
Zinc	7440-66-6	5000	4	NA				NA	NA
Zinc Dissolved		*	*	NA				NA	NA
Water Chemistry (mg/L)									
Alkalinity		*		20	30	30	49	NA	NA
Chloride	16887-00-6	250,000		16	30	29	26	30	40
Dissolved Organic Carbon		*		36	NA	NA	NA	13	25
Nitrate	14797-55-8	10,000						0.08	
Orthophosphate		*							
Sulfate	14808-79-8	250,000		38	14	14	28	6.3	2
Dissolved Gases (mg/L)						**NA**			
Carbon Dioxide	124-38-9	*		247.7	456.6		443	391.6	479.9
Hydrogen (nm/L)	1333-74-0	*		1.4	1.8		0.6	1.4	1.9
Nitrogen	7727-37-9	*		5.3	7.4		8.2	6.4	6.6
Oxygen	7782-44-7	*		0.43	0.69		0.48	0.52	0.82
Volatile Gases (µg/L)						**NA**			
Ethane	74-84-0	*		0.05	0.59		0.7	0.56	0.56
Ethene	74-85-1	*		0.08	1.4		2.12	0.9	1.11
Methane	74-82-8	*		114.7	256.3		422.3	3063.3	3966.4

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27B		OLD-OU2-28A		OLD-OU2-28B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G27B06	NTCOU2G27B07	NTCOU2G28A04	NTCOU2G28A06	NTCOU2G28B04	NTCOU2G28B06
Sample Date				9/12/2002	12/17/2002	3/24/2002	9/11/2002	3/24/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70		0.4 J					
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700				7			
Benzene	71-43-2	1		54	54			3	9
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700			1.7				
Chlorobenzene	108-90-7	100		48	63			4	5
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis-1,2-Dichloroethene	156-59-2	70		8	4			1 J	2
Ethylbenzene	100-41-4	30		0.7 J	0.8 J				
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20		0.3 J					
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1		7	5.3			2	6
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067			NA		NA	
Aluminum Dissolved		*	*			NA		NA	
Antimony	7440-36-0	6	4.1			NA		NA	
Antimony Dissolved		*	*			NA		NA	
Arsenic	7440-38-2	50	5			NA		NA	
Arsenic Dissolved		*	*			NA		NA	
Barium	7440-39-3	2000	31.4			NA		NA	
Barium Dissolved		*	*			NA		NA	
Beryllium	7440-41-7	4	*			NA		NA	
Beryllium Dissolved		*	*			NA		NA	
Calcium	7440-70-2	*	36830			NA		NA	
Calcium Dissolved		*	*			NA		NA	
Chromium	7440-47-3	100	7.8			NA		NA	
Chromium Dissolved		*	*			NA		NA	
Cobalt	7440-48-4	420	*			NA		NA	
Cobalt Dissolved		*	*			NA		NA	
Copper	7440-50-8	1000	5.4			NA		NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27B		OLD-OU2-28A		OLD-OU2-28B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G27B06	NTCOU2G27B07	NTCOU2G28A04	NTCOU2G28A06	NTCOU2G28B04	NTCOU2G28B06
Sample Date				9/12/2002	12/17/2002	3/24/2002	9/11/2002	3/24/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*			NA		NA	
Iron	7439-89-6	300	1227	2530	2610	NA	504	NA	7500
Iron Dissolved		*	*			1930		4920	
Lead	7439-92-1	15	4			NA		NA	
Lead Dissolved		*	*			NA		NA	
Magnesium	7439-95-4	*	4560			NA		NA	
Magnesium Dissolved		*	*			NA		NA	
Manganese	7439-96-5	50	17	12	17.2	NA	6.5	NA	17.4
Manganese Dissolved		*	*			8.5		22.1	
Mercury	7439-97-6	2	0.12			NA		NA	
Mercury Dissolved		*	*			NA		NA	
Nickel	7440-02-0	100	*			NA		NA	
Nickel Dissolved		*	*			NA		NA	
Potassium	7440-09-7	*	5400			NA		NA	
Potassium Dissolved		*	*			NA		NA	
Selenium	7782-49-2	50	9.7			NA		NA	
Selenium Dissolved		*	*			NA		NA	
Sodium	7440-23-5	160000	18222			NA		NA	
Sodium Dissolved		*	*			NA		NA	
Thallium	7440-28-0	2	3.8			NA		NA	
Thallium Dissolved		*	*			NA		NA	
Vanadium	7440-62-2	49	20.6			NA		NA	
Vanadium Dissolved		*	*			NA		NA	
Zinc	7440-66-6	5000	4			NA		NA	
Zinc Dissolved		*	*			NA		NA	
Water Chemistry (mg/L)						**NA**	**NA**	**NA**	**NA**
Alkalinity		*		NA	NA				
Chloride	16887-00-6	250,000		34	35				
Dissolved Organic Carbon		*		NA	NA				
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000		7.6	31				
Dissolved Gases (mg/L)						**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*		592.1	437.7				
Hydrogen (nm/L)	1333-74-0	*		2.6	0.9				
Nitrogen	7727-37-9	*		6.6	3.1				
Oxygen	7782-44-7	*		1.18	0.28				
Volatile Gases (µg/L)						**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*		0.35	0.2				
Ethene	74-85-1	*		0.84	0.35				
Methane	74-82-8	*		4295.9	1830.6				

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-29A		OLD-OU2-29B		OLD-OU2-30A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G29A04	NTCOU2G29A05	NTCOU2G29B04	NTCOU2G29B05	NTCOU2G30A04	NTCOU2G30A05
Sample Date				3/27/2002	6/21/2002	3/27/2002	6/21/2002	3/27/2002	6/20/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200						3 J	
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7						0.5 J	
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40		1				0.5 J	
Total Xylenes	1330-20-7	20						3 J	
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA	NA	NA	NA	NA	NA
Aluminum Dissolved		*	*	NA	NA	NA	NA	NA	NA
Antimony	7440-36-0	6	4.1	NA	NA	NA	NA	NA	NA
Antimony Dissolved		*	*	NA	NA	NA	NA	NA	NA
Arsenic	7440-38-2	50	5	NA	NA	NA	NA	NA	NA
Arsenic Dissolved		*	*	NA	NA	NA	NA	NA	NA
Barium	7440-39-3	2000	31.4	NA	NA	NA	NA	NA	NA
Barium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Beryllium	7440-41-7	4	*	NA	NA	NA	NA	NA	NA
Beryllium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Calcium	7440-70-2	*	36830	NA	NA	NA	NA	NA	NA
Calcium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Chromium	7440-47-3	100	7.8	NA	NA	NA	NA	NA	NA
Chromium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Cobalt	7440-48-4	420	*	NA	NA	NA	NA	NA	NA
Cobalt Dissolved		*	*	NA	NA	NA	NA	NA	NA
Copper	7440-50-8	1000	5.4	NA	NA	NA	NA	NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-29A		OLD-OU2-29B		OLD-OU2-30A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G29A04	NTCOU2G29A05	NTCOU2G29B04	NTCOU2G29B05	NTCOU2G30A04	NTCOU2G30A05
Sample Date				3/27/2002	6/21/2002	3/27/2002	6/21/2002	3/27/2002	6/20/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	300	1227	NA	7130	NA	4740	NA	585
Iron Dissolved		*	*	5880	NA	5040	NA	2040	NA
Lead	7439-92-1	15	4	NA	NA	NA	NA	NA	NA
Lead Dissolved		*	*	NA	NA	NA	NA	NA	NA
Magnesium	7439-95-4	*	4560	NA	NA	NA	NA	NA	NA
Magnesium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Manganese	7439-96-5	50	17	NA	8.5	NA	7.8	NA	68.3
Manganese Dissolved		*	*	13.8	NA	12.5	NA	50.4	NA
Mercury	7439-97-6	2	0.12	NA	NA	NA	NA	NA	NA
Mercury Dissolved		*	*	NA	NA	NA	NA	NA	NA
Nickel	7440-02-0	100	*	NA	NA	NA	NA	NA	NA
Nickel Dissolved		*	*	NA	NA	NA	NA	NA	NA
Potassium	7440-09-7	*	5400	NA	NA	NA	NA	NA	NA
Potassium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Selenium	7782-49-2	50	9.7	NA	NA	NA	NA	NA	NA
Selenium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Sodium	7440-23-5	160000	18222	NA	NA	NA	NA	NA	NA
Sodium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Thallium	7440-28-0	2	3.8	NA	NA	NA	NA	NA	NA
Thallium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Vanadium	7440-62-2	49	20.6	NA	NA	NA	NA	NA	NA
Vanadium Dissolved		*	*	NA	NA	NA	NA	NA	NA
Zinc	7440-66-6	5000	4	NA	NA	NA	NA	NA	NA
Zinc Dissolved		*	*	NA	NA	NA	NA	NA	NA
Water Chemistry (mg/L)									
Alkalinity		*		40	40	40	30	NA	NA
Chloride	16887-00-6	250,000		56	54 J	20	20 J	130	80
Dissolved Organic Carbon		*		21	22	7.5	9.4	44	24
Nitrate	14797-55-8	10,000							2.1
Orthophosphate		*							
Sulfate	14808-79-8	250,000		52	41	5		16	59
Dissolved Gases (mg/L)									
Carbon Dioxide	124-38-9	*		113.6	154.5	68.9	101.8	162.6	166.5
Hydrogen (nm/L)	1333-74-0	*		2.3	1.5	2	1.4	2	1.1
Nitrogen	7727-37-9	*		9.9	13.4	6.5	9.8	4.7	8.3
Oxygen	7782-44-7	*		1.08	0.34	0.38	0.29	1.46	0.34
Volatile Gases (µg/L)									
Ethane	74-84-0	*		0.02		0.03	0.05	0.01	0.01
Ethene	74-85-1	*		0.16	0.3	0.27	0.36	0.03	0.05
Methane	74-82-8	*		197.7	224.6	412.5	624.9	172.3	266.1

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-30A		OLD-OU2-30B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G30A06	NTCOU2G30A07	NTCOU2G30B04	NTCOU2G30B05	NTCOU2G30B06	NTCOU2G30B07
Sample Date				9/12/2002	12/17/2002	3/26/2002	6/20/2002	9/12/2002	12/17/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200				3 J			
Acetone	67-64-1	700							
Benzene	71-43-2	1		1	0.94 J	0.8 J	2	1	1.1
Bromodichloromethane	75-27-4	0.6				2			
Carbon Disulfide	75-15-0	700							0.81 J
Chlorobenzene	108-90-7	100		0.4 J		3		2	1.4
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7				6			
Chlorodibromomethane	124-48-1	0.4				0.9 J			
Chloromethane	74-87-3	2.7		0.3 J					
cis-1,2-Dichloroethene	156-59-2	70						0.5 J	
Ethylbenzene	100-41-4	30		0.3 J		2	5	2	0.79 J
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40					0.5 J		
Total Xylenes	1330-20-7	20		0.4 J		4 J	9	0.4 J	
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1					0.9 J	0.4 J	
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067			NA	NA		
Aluminum Dissolved		*	*			NA	NA		
Antimony	7440-36-0	6	4.1			NA	NA		
Antimony Dissolved		*	*			NA	NA		
Arsenic	7440-38-2	50	5			NA	NA		
Arsenic Dissolved		*	*			NA	NA		
Barium	7440-39-3	2000	31.4			NA	NA		
Barium Dissolved		*	*			NA	NA		
Beryllium	7440-41-7	4	*			NA	NA		
Beryllium Dissolved		*	*			NA	NA		
Calcium	7440-70-2	*	36830			NA	NA		
Calcium Dissolved		*	*			NA	NA		
Chromium	7440-47-3	100	7.8			NA	NA		
Chromium Dissolved		*	*			NA	NA		
Cobalt	7440-48-4	420	*			NA	NA		
Cobalt Dissolved		*	*			NA	NA		
Copper	7440-50-8	1000	5.4			NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-30A		OLD-OU2-30B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G30A06	NTCOU2G30A07	NTCOU2G30B04	NTCOU2G30B05	NTCOU2G30B06	NTCOU2G30B07
Sample Date				9/12/2002	12/17/2002	3/26/2002	6/20/2002	9/12/2002	12/17/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*			NA	NA		
Iron	7439-89-6	300	1227	38300	40600	NA	7120	22800	30300
Iron Dissolved		*	*			82300	3540		
Lead	7439-92-1	15	4			NA	NA		
Lead Dissolved		*	*			NA	NA		
Magnesium	7439-95-4	*	4560			NA	NA		
Magnesium Dissolved		*	*			NA	NA		
Manganese	7439-96-5	50	17	55.2	64.9	NA	17.7	64.2	93.6
Manganese Dissolved		*	*			118	15.1		
Mercury	7439-97-6	2	0.12			NA	NA		
Mercury Dissolved		*	*			NA	NA		
Nickel	7440-02-0	100	*			NA	NA		
Nickel Dissolved		*	*			NA	NA		
Potassium	7440-09-7	*	5400			NA	NA		
Potassium Dissolved		*	*			NA	NA		
Selenium	7782-49-2	50	9.7			NA	NA		
Selenium Dissolved		*	*			NA	NA		
Sodium	7440-23-5	160000	18222			NA	NA		
Sodium Dissolved		*	*			NA	NA		
Thallium	7440-28-0	2	3.8			NA	NA		
Thallium Dissolved		*	*			NA	NA		
Vanadium	7440-62-2	49	20.6			NA	NA		
Vanadium Dissolved		*	*			NA	NA		
Zinc	7440-66-6	5000	4			NA	NA		
Zinc Dissolved		*	*			NA	NA		
Water Chemistry (mg/L)									
Alkalinity		*			24	340	240	210	200
Chloride	16887-00-6	250,000		150	130	40	50	92	92
Dissolved Organic Carbon		*		NA	NA	56	48	NA	NA
Nitrate	14797-55-8	10,000		0.09					
Orthophosphate		*							
Sulfate	14808-79-8	250,000		34	33	16		3.2	8.8
Dissolved Gases (mg/L)									
Carbon Dioxide	124-38-9	*		419.4	355.8	11.6	78.4	150.8	219.1
Hydrogen (nm/L)	1333-74-0	*		2.6	0.8	6.3	6.7	1	1
Nitrogen	7727-37-9	*		6.7	5.9	5.9	5.5	5.3	4.3
Oxygen	7782-44-7	*		0.18	0.16			0.24	0.26
Volatile Gases (µg/L)									
Ethane	74-84-0	*		0.07		0.29		0.12	
Ethene	74-85-1	*		0.08	0.17	0.57	0.8	0.02	0.18
Methane	74-82-8	*		2382.3	3214.6	3854.1	6190	6619.6	4676.7

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31A				OLD-OU2-31B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G31A04	NTCOU2G31A05	NTCOU2G31A06	NTCOU2G31A07	NTCOU2G31B04	NTCOU2G31B05
Sample Date				3/26/2002	6/20/2002	9/13/2002	12/16/2002	3/26/2002	6/20/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1						1 J	1
Bromodichloromethane	75-27-4	0.6		4	0.4 J				
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100						7	
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7		12	0.4 J				
Chlorodibromomethane	124-48-1	0.4		2					
Chloromethane	74-87-3	2.7							
cis-1,2-Dichloroethene	156-59-2	70						1 J	
Ethylbenzene	100-41-4	30							
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							2
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1						0.6 J	1 J
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA	NA			NA	NA
Aluminum Dissolved		*	*	NA	NA			NA	NA
Antimony	7440-36-0	6	4.1	NA	NA			NA	NA
Antimony Dissolved		*	*	NA	NA			NA	NA
Arsenic	7440-38-2	50	5	NA	NA			NA	NA
Arsenic Dissolved		*	*	NA	NA			NA	NA
Barium	7440-39-3	2000	31.4	NA	NA			NA	NA
Barium Dissolved		*	*	NA	NA			NA	NA
Beryllium	7440-41-7	4	*	NA	NA			NA	NA
Beryllium Dissolved		*	*	NA	NA			NA	NA
Calcium	7440-70-2	*	36830	NA	NA			NA	NA
Calcium Dissolved		*	*	NA	NA			NA	NA
Chromium	7440-47-3	100	7.8	NA	NA			NA	NA
Chromium Dissolved		*	*	NA	NA			NA	NA
Cobalt	7440-48-4	420	*	NA	NA			NA	NA
Cobalt Dissolved		*	*	NA	NA			NA	NA
Copper	7440-50-8	1000	5.4	NA	NA			NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31A				OLD-OU2-31B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G31A04	NTCOU2G31A05	NTCOU2G31A06	NTCOU2G31A07	NTCOU2G31B04	NTCOU2G31B05
Sample Date				3/26/2002	6/20/2002	9/13/2002	12/16/2002	3/26/2002	6/20/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA			NA	NA
Iron	7439-89-6	300	1227	NA	2170	154	1010	NA	1490
Iron Dissolved		*	*	893	NA			1730	NA
Lead	7439-92-1	15	4	NA	NA			NA	NA
Lead Dissolved		*	*	NA	NA			NA	NA
Magnesium	7439-95-4	*	4560	NA	NA			NA	NA
Magnesium Dissolved		*	*	NA	NA			NA	NA
Manganese	7439-96-5	50	17	NA	25.1	15.8	11.8	NA	
Manganese Dissolved		*	*	58.3	NA			7.2	NA
Mercury	7439-97-6	2	0.12	NA	NA			NA	NA
Mercury Dissolved		*	*	NA	NA			NA	NA
Nickel	7440-02-0	100	*	NA	NA			NA	NA
Nickel Dissolved		*	*	NA	NA			NA	NA
Potassium	7440-09-7	*	5400	NA	NA			NA	NA
Potassium Dissolved		*	*	NA	NA			NA	NA
Selenium	7782-49-2	50	9.7	NA	NA			NA	NA
Selenium Dissolved		*	*	NA	NA			NA	NA
Sodium	7440-23-5	160000	18222	NA	NA			NA	NA
Sodium Dissolved		*	*	NA	NA			NA	NA
Thallium	7440-28-0	2	3.8	NA	NA			NA	NA
Thallium Dissolved		*	*	NA	NA			NA	NA
Vanadium	7440-62-2	49	20.6	NA	NA			NA	NA
Vanadium Dissolved		*	*	NA	NA			NA	NA
Zinc	7440-66-6	5000	4	NA	NA			NA	NA
Zinc Dissolved		*	*	NA	NA			NA	NA
Water Chemistry (mg/L)									
Alkalinity		*		20					
Chloride	16887-00-6	250,000		10	3		1.9	13	8
Dissolved Organic Carbon		*		5	6.4	NA	NA	9.1	11
Nitrate	14797-55-8	10,000					0.11		
Orthophosphate		*							
Sulfate	14808-79-8	250,000		74	24	14	9.6	31	21
Dissolved Gases (mg/L)									
Carbon Dioxide	124-38-9	*		47.7	42	42.1	33	86.8	97.6
Hydrogen (nm/L)	1333-74-0	*		2.3	2	2	1.8	1.7	0.6
Nitrogen	7727-37-9	*		9.6	11.7	10.5	8.4	9.7	15.3
Oxygen	7782-44-7	*		0.61	0.93	1.03	2.01	0.67	1.39
Volatile Gases (µg/L)									**NA**
Ethane	74-84-0	*		0.1	0.05			0.1	
Ethene	74-85-1	*		1.2	2.48	0.02	0.01	0.34	
Methane	74-82-8	*		17.3	74.1	33.6	5.2	144	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31B		OLD-OU2-32A			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G31B06	NTCOU2G31B07	NTCOU2G32A04	NTCOU2G32A05	NTCOU2G32A06	NTCOU2G32A07
Sample Date				9/13/2002	12/16/2002	3/25/2002	6/19/2002	9/12/2002	12/16/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70		0.2 J					
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700				52			
Benzene	71-43-2	1			3				
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100		27	25				
Chloroethane	75-00-3	12					2 J		
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70		4	2.6				
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3			4				
Toluene	108-88-3	40					11		
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3		0.9 J	0.79 J				
Vinyl Chloride	75-01-4	1		4	4.2				
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067			NA	NA		
Aluminum Dissolved		*	*			NA	NA		
Antimony	7440-36-0	6	4.1			NA	NA		
Antimony Dissolved		*	*			NA	NA		
Arsenic	7440-38-2	50	5			NA	NA		
Arsenic Dissolved		*	*			NA	NA		
Barium	7440-39-3	2000	31.4			NA	NA		
Barium Dissolved		*	*			NA	NA		
Beryllium	7440-41-7	4	*			NA	NA		
Beryllium Dissolved		*	*			NA	NA		
Calcium	7440-70-2	*	36830			NA	NA		
Calcium Dissolved		*	*			NA	NA		
Chromium	7440-47-3	100	7.8			NA	NA		
Chromium Dissolved		*	*			NA	NA		
Cobalt	7440-48-4	420	*			NA	NA		
Cobalt Dissolved		*	*			NA	NA		
Copper	7440-50-8	1000	5.4			NA	NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31B		OLD-OU2-32A			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G31B06	NTCOU2G31B07	NTCOU2G32A04	NTCOU2G32A05	NTCOU2G32A06	NTCOU2G32A07
Sample Date				9/13/2002	12/16/2002	3/25/2002	6/19/2002	9/12/2002	12/16/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*			NA	NA		
Iron	7439-89-6	300	1227	1530	1310	NA	5030	479	478
Iron Dissolved		*	*			2650	NA		
Lead	7439-92-1	15	4			NA	NA		
Lead Dissolved		*	*			NA	NA		
Magnesium	7439-95-4	*	4560			NA	NA		
Magnesium Dissolved		*	*			NA	NA		
Manganese	7439-96-5	50	17	5.3	5.1	NA	23.7		
Manganese Dissolved		*	*			45.8	NA		
Mercury	7439-97-6	2	0.12			NA	NA		
Mercury Dissolved		*	*			NA	NA		
Nickel	7440-02-0	100	*			NA	NA		
Nickel Dissolved		*	*			NA	NA		
Potassium	7440-09-7	*	5400			NA	NA		
Potassium Dissolved		*	*			NA	NA		
Selenium	7782-49-2	50	9.7			NA	NA		
Selenium Dissolved		*	*			NA	NA		
Sodium	7440-23-5	160000	18222			NA	NA		
Sodium Dissolved		*	*			NA	NA		
Thallium	7440-28-0	2	3.8			NA	NA		
Thallium Dissolved		*	*			NA	NA		
Vanadium	7440-62-2	49	20.6			NA	NA		
Vanadium Dissolved		*	*			NA	NA		
Zinc	7440-66-6	5000	4			NA	NA		
Zinc Dissolved		*	*			NA	NA		
Water Chemistry (mg/L)									
Alkalinity		*				50	20	NA	
Chloride	16887-00-6	250,000		16	15	15	6	6.1	0.7
Dissolved Organic Carbon		*		NA	NA	36	33	NA	NA
Nitrate	14797-55-8	10,000				0.05	0.42	0.1	0.15
Orthophosphate		*			1.3				
Sulfate	14808-79-8	250,000		25	20	34	32	2	1.2
Dissolved Gases (mg/L)									
Carbon Dioxide	124-38-9	*		277.4	246.1	107.6	173.1	64.2	23.6
Hydrogen (nm/L)	1333-74-0	*		1.8	1.7	2.8	1.2	1.2	0.3
Nitrogen	7727-37-9	*		9.2	9.9	8.4	12	10.6	11.2
Oxygen	7782-44-7	*		1	0.72	0.27		1.99	5.28
Volatile Gases (µg/L)							**NA**		
Ethane	74-84-0	*		0.83	0.49	0.04			
Ethene	74-85-1	*		0.63	0.71	0.96		0.1	0.04
Methane	74-82-8	*		559	661.5	16.5		7.6	4.3

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-32B				OLD-OU2-33A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G32B04	NTCOU2G32B05	NTCOU2G32B06	NTCOU2G32B07	NTCOU2G33A04	NTCOU2G33A04-D
Sample Date				3/25/2002	6/19/2002	9/12/2002	12/16/2002	3/26/2002	3/26/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700		4 J					
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7		0.4 J				0.4 J	0.4 J
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70		0.4 J					
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3			0.6 J		0.56 J		
Toluene	108-88-3	40			6	5	1.8	0.6 J	0.5 J
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3		16	19	10	9.1		
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA	NA			NA	NA
Aluminum Dissolved		*	*	NA	NA			NA	NA
Antimony	7440-36-0	6	4.1	NA	NA			NA	NA
Antimony Dissolved		*	*	NA	NA			NA	NA
Arsenic	7440-38-2	50	5	NA	NA			NA	NA
Arsenic Dissolved		*	*	NA	NA			NA	NA
Barium	7440-39-3	2000	31.4	NA	NA			NA	NA
Barium Dissolved		*	*	NA	NA			NA	NA
Beryllium	7440-41-7	4	*	NA	NA			NA	NA
Beryllium Dissolved		*	*	NA	NA			NA	NA
Calcium	7440-70-2	*	36830	NA	NA			NA	NA
Calcium Dissolved		*	*	NA	NA			NA	NA
Chromium	7440-47-3	100	7.8	NA	NA			NA	NA
Chromium Dissolved		*	*	NA	NA			NA	NA
Cobalt	7440-48-4	420	*	NA	NA			NA	NA
Cobalt Dissolved		*	*	NA	NA			NA	NA
Copper	7440-50-8	1000	5.4	NA	NA			NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-32B				OLD-OU2-33A	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G32B04	NTCOU2G32B05	NTCOU2G32B06	NTCOU2G32B07	NTCOU2G33A04	NTCOU2G33A04-D
Sample Date				3/25/2002	6/19/2002	9/12/2002	12/16/2002	3/26/2002	3/26/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA			NA	NA
Iron	7439-89-6	300	1227	NA	1410	1590	1600	NA	NA
Iron Dissolved		*	*	1670	NA			4040	4540
Lead	7439-92-1	15	4	NA	NA			NA	NA
Lead Dissolved		*	*	NA	NA			NA	NA
Magnesium	7439-95-4	*	4560	NA	NA			NA	NA
Magnesium Dissolved		*	*	NA	NA			NA	NA
Manganese	7439-96-5	50	17	NA	7.2	9.1	8.9	NA	NA
Manganese Dissolved		*	*	14.9	NA			25.4	25.1
Mercury	7439-97-6	2	0.12	NA	NA			NA	NA
Mercury Dissolved		*	*	NA	NA			NA	NA
Nickel	7440-02-0	100	*	NA	NA			NA	NA
Nickel Dissolved		*	*	NA	NA			NA	NA
Potassium	7440-09-7	*	5400	NA	NA			NA	NA
Potassium Dissolved		*	*	NA	NA			NA	NA
Selenium	7782-49-2	50	9.7	NA	NA			NA	NA
Selenium Dissolved		*	*	NA	NA			NA	NA
Sodium	7440-23-5	160000	18222	NA	NA			NA	NA
Sodium Dissolved		*	*	NA	NA			NA	NA
Thallium	7440-28-0	2	3.8	NA	NA			NA	NA
Thallium Dissolved		*	*	NA	NA			NA	NA
Vanadium	7440-62-2	49	20.6	NA	NA			NA	NA
Vanadium Dissolved		*	*	NA	NA			NA	NA
Zinc	7440-66-6	5000	4	NA	NA			NA	NA
Zinc Dissolved		*	*	NA	NA			NA	NA
Water Chemistry (mg/L)									
Alkalinity		*		20		NA	8.8	40	40
Chloride	16887-00-6	250,000		5	6	6	7.5	14	16
Dissolved Organic Carbon		*		13	10	NA	NA	13	12
Nitrate	14797-55-8	10,000							0.06
Orthophosphate		*					1.6		
Sulfate	14808-79-8	250,000		2			4	16	16
Dissolved Gases (mg/L)									**NA**
Carbon Dioxide	124-38-9	*		88.1	117.5	108.4	129.2	78.3	
Hydrogen (nm/L)	1333-74-0	*		2.1	2.8	2.4	2.6	3.6	
Nitrogen	7727-37-9	*		11	8.5	11.9	11.4	10	
Oxygen	7782-44-7	*		1.54	0.5	1.35	0.83	0.44	
Volatile Gases (µg/L)									**NA**
Ethane	74-84-0	*		0.04		0.04		0.03	
Ethene	74-85-1	*		1.05		1.45	0.9	0.82	
Methane	74-82-8	*		446.7		637.1	715.2	62.2	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-33A			OLD-OU2-33B		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G33A05	NTCOU2G33A06	NTCOU2G33A07	NTCOU2G33B04	NTCOU2G33B05	NTCOU2G33B05-D
Sample Date				6/21/2002	9/12/2002	12/17/2002	3/25/2002	6/21/2002	6/21/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1		0.8 J			1	2	2
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700				1.6			
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12		4					
Chloroform	67-66-3	5.7					1 J		
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							
cis -1,2-Dichloroethene	156-59-2	70					4	4	4
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3					46	50	51
Vinyl Chloride	75-01-4	1		0.5 J			2	3	3
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA			NA	NA	NA
Aluminum Dissolved		*	*	NA			NA	NA	NA
Antimony	7440-36-0	6	4.1	NA			NA	NA	NA
Antimony Dissolved		*	*	NA			NA	NA	NA
Arsenic	7440-38-2	50	5	NA			NA	NA	NA
Arsenic Dissolved		*	*	NA			NA	NA	NA
Barium	7440-39-3	2000	31.4	NA			NA	NA	NA
Barium Dissolved		*	*	NA			NA	NA	NA
Beryllium	7440-41-7	4	*	NA			NA	NA	NA
Beryllium Dissolved		*	*	NA			NA	NA	NA
Calcium	7440-70-2	*	36830	NA			NA	NA	NA
Calcium Dissolved		*	*	NA			NA	NA	NA
Chromium	7440-47-3	100	7.8	NA			NA	NA	NA
Chromium Dissolved		*	*	NA			NA	NA	NA
Cobalt	7440-48-4	420	*	NA			NA	NA	NA
Cobalt Dissolved		*	*	NA			NA	NA	NA
Copper	7440-50-8	1000	5.4	NA			NA	NA	NA

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-33A			OLD-OU2-33B		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G33A05	NTCOU2G33A06	NTCOU2G33A07	NTCOU2G33B04	NTCOU2G33B05	NTCOU2G33B05-D
Sample Date				6/21/2002	9/12/2002	12/17/2002	3/25/2002	6/21/2002	6/21/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA			NA	NA	NA
Iron	7439-89-6	300	1227	3270	675	720	NA	4000	3900
Iron Dissolved		*	*	NA			3600	NA	NA
Lead	7439-92-1	15	4	NA				NA	NA
Lead Dissolved		*	*	NA			NA	NA	NA
Magnesium	7439-95-4	*	4560	NA			NA	NA	NA
Magnesium Dissolved		*	*	NA			NA	NA	NA
Manganese	7439-96-5	50	17	11.5	14	30.3	NA	14.1	13.9
Manganese Dissolved		*	*	NA			19.1	NA	NA
Mercury	7439-97-6	2	0.12	NA			NA	NA	NA
Mercury Dissolved		*	*	NA			NA	NA	NA
Nickel	7440-02-0	100	*	NA			NA	NA	NA
Nickel Dissolved		*	*	NA			NA	NA	NA
Potassium	7440-09-7	*	5400	NA			NA	NA	NA
Potassium Dissolved		*	*	NA			NA	NA	NA
Selenium	7782-49-2	50	9.7	NA			NA	NA	NA
Selenium Dissolved		*	*	NA			NA	NA	NA
Sodium	7440-23-5	160000	18222	NA			NA	NA	NA
Sodium Dissolved		*	*	NA			NA	NA	NA
Thallium	7440-28-0	2	3.8	NA			NA	NA	NA
Thallium Dissolved		*	*	NA			NA	NA	NA
Vanadium	7440-62-2	49	20.6	NA			NA	NA	NA
Vanadium Dissolved		*	*	NA			NA	NA	NA
Zinc	7440-66-6	5000	4	NA			NA	NA	NA
Zinc Dissolved		*	*	NA			NA	NA	NA
Water Chemistry (mg/L)				**NA**					
Alkalinity		*				4.9	40	30	30
Chloride	16887-00-6	250,000		20 J	9.8	3.6	16	10 J	16 J
Dissolved Organic Carbon		*		18	NA	NA	10	19	17
Nitrate	14797-55-8	10,000			2.9	3.2			
Orthophosphate		*							
Sulfate	14808-79-8	250,000		5.3	11	10	8.7	5.2	5
Dissolved Gases (mg/L)				**NA**					**NA**
Carbon Dioxide	124-38-9	*		159.8	88.5	85.2	223.3	297	
Hydrogen (nm/L)	1333-74-0	*		3.4	1.7	0.8	1.6	2	
Nitrogen	7727-37-9	*		10.5	10.3	10.3	5.4	8.2	
Oxygen	7782-44-7	*		0.83	0.66	1.87	0.39	0.6	
Volatile Gases (µg/L)				**NA**				**NA**	**NA**
Ethane	74-84-0	*					0.24		
Ethene	74-85-1	*				0.02	0.71		
Methane	74-82-8	*			0.5	50.1	1259.5		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-33B			OLD-OU2-34A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G33B06	NTCOU2G33B06-D	NTCOU2G33B07	NTCOU2G34A04	NTCOU2G34A05	NTCOU2G34A06
Sample Date				9/12/2002	9/12/2002	12/17/2002	3/26/2002	6/19/2002	9/11/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1		1	1	1.6			
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700				1.9			
Chlorobenzene	108-90-7	100		0.4 J		0.75 J			
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7							0.4 J
cis -1,2-Dichloroethene	156-59-2	70		6	6	5.5			
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20		0.2 J					
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3		65	62	67			
Vinyl Chloride	75-01-4	1		4	4	7			
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067				NA	1710	
Aluminum Dissolved		*	*				NA	NA	
Antimony	7440-36-0	6	4.1				NA		
Antimony Dissolved		*	*				NA	NA	
Arsenic	7440-38-2	50	5				NA		
Arsenic Dissolved		*	*				NA	NA	
Barium	7440-39-3	2000	31.4				NA	31	
Barium Dissolved		*	*				NA	NA	
Beryllium	7440-41-7	4	*				NA		
Beryllium Dissolved		*	*				NA	NA	
Calcium	7440-70-2	*	36830				NA	8880	
Calcium Dissolved		*	*				NA	NA	
Chromium	7440-47-3	100	7.8				NA	3.1	
Chromium Dissolved		*	*				NA	NA	
Cobalt	7440-48-4	420	*				NA		
Cobalt Dissolved		*	*				NA	NA	
Copper	7440-50-8	1000	5.4				NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-33B			OLD-OU2-34A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G33B06	NTCOU2G33B06-D	NTCOU2G33B07	NTCOU2G34A04	NTCOU2G34A05	NTCOU2G34A06
Sample Date				9/12/2002	9/12/2002	12/17/2002	3/26/2002	6/19/2002	9/11/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*				NA	NA	
Iron	7439-89-6	300	1227	2640	2170	1810	NA	5510	283
Iron Dissolved		*	*				5440	NA	
Lead	7439-92-1	15	4				NA	3.6	
Lead Dissolved		*	*				NA	NA	
Magnesium	7439-95-4	*	4560				NA	3650	
Magnesium Dissolved		*	*				NA	NA	
Manganese	7439-96-5	50	17	8.7	9.1	8.2	NA	8	1.8
Manganese Dissolved		*	*				9.4	NA	
Mercury	7439-97-6	2	0.12				NA		
Mercury Dissolved		*	*				NA	NA	
Nickel	7440-02-0	100	*				NA	1.8	
Nickel Dissolved		*	*				NA	NA	
Potassium	7440-09-7	*	5400				NA	2710	
Potassium Dissolved		*	*				NA	NA	
Selenium	7782-49-2	50	9.7				NA		
Selenium Dissolved		*	*				NA	NA	
Sodium	7440-23-5	160000	18222				NA	20000	
Sodium Dissolved		*	*				NA	NA	
Thallium	7440-28-0	2	3.8				NA		
Thallium Dissolved		*	*				NA	NA	
Vanadium	7440-62-2	49	20.6				NA	17.2	
Vanadium Dissolved		*	*				NA	NA	
Zinc	7440-66-6	5000	4				NA		
Zinc Dissolved		*	*				NA	NA	
Water Chemistry (mg/L)							**NA**	**NA**	**NA**
Alkalinity		*				13			
Chloride	16887-00-6	250,000		12	12	13			
Dissolved Organic Carbon		*		NA	NA	NA			
Nitrate	14797-55-8	10,000			0.05				
Orthophosphate		*				0.3			
Sulfate	14808-79-8	250,000		12	12	22			
Dissolved Gases (mg/L)					**NA**		**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*		378.8		328.5			
Hydrogen (nm/L)	1333-74-0	*				0.5			
Nitrogen	7727-37-9	*		10.7		7.7			
Oxygen	7782-44-7	*		0.45		0.69			
Volatile Gases (µg/L)					**NA**		**NA**	**NA**	**NA**
Ethane	74-84-0	*		0.13		0.38			
Ethene	74-85-1	*		0.16		0.69			
Methane	74-82-8	*		2167.5		1552.4			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-35B			OLD-OU2-36A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G35B04	NTCOU2G35B05	NTCOU2G35B06	NTCOU2G36A04	NTCOU2G36A05	NTCOU2G36A06
Sample Date				3/28/2002	6/20/2002	9/12/2002	3/26/2002	6/21/2002	9/12/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70							
1,2-Dichloroethane	107-06-2	3							
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1							
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100							
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7				0.8 J			
cis -1,2-Dichloroethene	156-59-2	70							
Ethylbenzene	100-41-4	30							
Methyl *tert* -Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20							
Trans-1,2-Dichloroethene	156-60-5	100							
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1							
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	NA	910		NA	3010	
Aluminum Dissolved		*	*	NA	NA		NA	NA	
Antimony	7440-36-0	6	4.1	NA			NA		
Antimony Dissolved		*	*	NA	NA		NA	NA	
Arsenic	7440-38-2	50	5	NA			NA		
Arsenic Dissolved		*	*	NA	NA		NA	NA	
Barium	7440-39-3	2000	31.4	NA	38		NA	30.5	
Barium Dissolved		*	*	NA	NA		NA	NA	
Beryllium	7440-41-7	4	*	NA			NA		
Beryllium Dissolved		*	*	NA	NA		NA	NA	
Calcium	7440-70-2	*	36830	NA	8940		NA	3160	
Calcium Dissolved		*	*	NA	NA		NA	NA	
Chromium	7440-47-3	100	7.8	NA	2		NA	3.4	
Chromium Dissolved		*	*	NA	NA		NA	NA	
Cobalt	7440-48-4	420	*	NA			NA		
Cobalt Dissolved		*	*	NA	NA		NA	NA	
Copper	7440-50-8	1000	5.4	NA	6.9		NA		

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-35B			OLD-OU2-36A		
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G35B04	NTCOU2G35B05	NTCOU2G35B06	NTCOU2G36A04	NTCOU2G36A05	NTCOU2G36A06
Sample Date				3/28/2002	6/20/2002	9/12/2002	3/26/2002	6/21/2002	9/12/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA	NA		NA	NA	
Iron	7439-89-6	300	1227	NA	3160	2140	NA	1200	1670
Iron Dissolved		*	*	3640	NA		3820	NA	
Lead	7439-92-1	15	4	NA	2.3		NA		
Lead Dissolved		*	*	NA	NA		NA	NA	
Magnesium	7439-95-4	*	4560	NA	3290		NA	1390	
Magnesium Dissolved		*	*	NA	NA		NA	NA	
Manganese	7439-96-5	50	17	NA	10.9	7.5	NA	5.7	
Manganese Dissolved		*	*	11.8	NA		5.9	NA	
Mercury	7439-97-6	2	0.12	NA			NA		
Mercury Dissolved		*	*	NA	NA		NA	NA	
Nickel	7440-02-0	100	*	NA	1.7		NA	4.4	
Nickel Dissolved		*	*	NA	NA		NA	NA	
Potassium	7440-09-7	*	5400	NA	1960		NA	1590	
Potassium Dissolved		*	*	NA	NA		NA	NA	
Selenium	7782-49-2	50	9.7	NA			NA		
Selenium Dissolved		*	*	NA	NA		NA	NA	
Sodium	7440-23-5	160000	18222	NA	9840		NA	5920	
Sodium Dissolved		*	*	NA	NA		NA	NA	
Thallium	7440-28-0	2	3.8	NA			NA		
Thallium Dissolved		*	*	NA	NA		NA	NA	
Vanadium	7440-62-2	49	20.6	NA	4		NA	6	
Vanadium Dissolved		*	*	NA	NA		NA	NA	
Zinc	7440-66-6	5000	4	NA	6.1		NA		
Zinc Dissolved		*	*	NA	NA		NA	NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-37B		OLD-OU2-DP01A		OLD-OU2-DP01B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G37B05	NTCOU2G37B06	NTCOU2GP1A04	NTCOU2DP1A06	NTCOU2GP1B04	NTCOU2DP1B06
Sample Date				6/21/2002	9/11/2002	3/26/2002	9/12/2002	3/26/2002	9/12/2002
Volatiles (µg/L)									
1,1-Dichloroethane	75-34-3	70			0.9 J				
1,2-Dichloroethane	107-06-2	3			2				
1,2-Dichloropropane	78-87-5	5							
2-Butanone	78-93-3	4200							
Acetone	67-64-1	700							
Benzene	71-43-2	1			15				
Bromodichloromethane	75-27-4	0.6							
Carbon Disulfide	75-15-0	700							
Chlorobenzene	108-90-7	100			20		0.4 J		
Chloroethane	75-00-3	12							
Chloroform	67-66-3	5.7							
Chlorodibromomethane	124-48-1	0.4							
Chloromethane	74-87-3	2.7					1 J		0.5 J
cis-1,2-Dichloroethene	156-59-2	70			12				
Ethylbenzene	100-41-4	30			0.8 J				
Methyl *tert*-Butyl Ether	1634-04-4	50							
Tetrachloroethene	127-18-4	3							
Toluene	108-88-3	40							
Total Xylenes	1330-20-7	20			17				
Trans-1,2-Dichloroethene	156-60-5	100			4				
Trichloroethene	79-01-6	3							
Vinyl Chloride	75-01-4	1			24			1 J	
Inorganics (µg/L)									
Aluminum	7429-90-5	200	4067	1820		NA		NA	
Aluminum Dissolved		*	*	1080		NA		NA	
Antimony	7440-36-0	6	4.1	NA		NA		NA	
Antimony Dissolved		*	*	NA		NA		NA	
Arsenic	7440-38-2	50	5	NA		NA		NA	
Arsenic Dissolved		*	*	NA		NA		NA	
Barium	7440-39-3	2000	31.4	61.1		NA		NA	
Barium Dissolved		*	*	55.2		NA		NA	
Beryllium	7440-41-7	4	*	NA		NA		NA	
Beryllium Dissolved		*	*	NA		NA		NA	
Calcium	7440-70-2	*	36830	18800		NA		NA	
Calcium Dissolved		*	*	19100		NA		NA	
Chromium	7440-47-3	100	7.8	3.7		NA		NA	
Chromium Dissolved		*	*	2.4		NA		NA	
Cobalt	7440-48-4	420	*	NA		NA		NA	
Cobalt Dissolved		*	*	NA		NA		NA	
Copper	7440-50-8	1000	5.4	NA		NA		NA	

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-37B		OLD-OU2-DP01A		OLD-OU2-DP01B	
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2G37B05	NTCOU2G37B06	NTCOU2GP1A04	NTCOU2DP1A06	NTCOU2GP1B04	NTCOU2DP1B06
Sample Date				6/21/2002	9/11/2002	3/26/2002	9/12/2002	3/26/2002	9/12/2002
Inorganics continued (µg/L)									
Copper Dissolved		*	*	NA		NA		NA	
Iron	7439-89-6	300	1227	3050	3110[d]	NA	1830	NA	1560
Iron Dissolved		*	*	2800		814		2280	
Lead	7439-92-1	15	4	NA		NA		NA	
Lead Dissolved		*	*	2.5		NA		NA	
Magnesium	7439-95-4	*	4560	4470		NA		NA	
Magnesium Dissolved		*	*	4440		NA		NA	
Manganese	7439-96-5	50	17	10.6	12.9[d]	NA	8	NA	8
Manganese Dissolved		*	*	11.2				11.6	
Mercury	7439-97-6	2	0.12	NA		NA		NA	
Mercury Dissolved		*	*	NA		NA		NA	
Nickel	7440-02-0	100	*	2		NA		NA	
Nickel Dissolved		*	*	1.4		NA		NA	
Potassium	7440-09-7	*	5400	11200		NA		NA	
Potassium Dissolved		*	*	11800		NA		NA	
Selenium	7782-49-2	50	9.7	NA		NA		NA	
Selenium Dissolved		*	*	NA		NA		NA	
Sodium	7440-23-5	160000	18222	37500		NA		NA	
Sodium Dissolved		*	*	42800		NA		NA	
Thallium	7440-28-0	2	3.8	NA		NA		NA	
Thallium Dissolved		*	*	NA		NA		NA	
Vanadium	7440-62-2	49	20.6	6.2		NA		NA	
Vanadium Dissolved		*	*	5.4		NA		NA	
Zinc	7440-66-6	5000	4	NA		NA		NA	
Zinc Dissolved		*	*	NA		NA		NA	
Water Chemistry (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Alkalinity		*							
Chloride	16887-00-6	250,000							
Dissolved Organic Carbon		*							
Nitrate	14797-55-8	10,000							
Orthophosphate		*							
Sulfate	14808-79-8	250,000							
Dissolved Gases (mg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Carbon Dioxide	124-38-9	*							
Hydrogen (nm/L)	1333-74-0	*							
Nitrogen	7727-37-9	*							
Oxygen	7782-44-7	*							
Volatile Gases (µg/L)				**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Ethane	74-84-0	*							
Ethene	74-85-1	*							
Methane	74-82-8	*							

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-DP02A			OLD-OU2-DP02B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2GP2A04	NTCOU2GP2A05	NTCOU2DP2A06	NTCOU2GP2B04	NTCOU2DP2B06	NTCOU2DP2B06-D	NTCOU2GP2B07
Sample Date				3/26/2002	6/19/2002	9/12/2002	3/25/2002	9/12/2002	9/12/2002	12/16/2002
Volatiles (µg/L)										
1,1-Dichloroethane	75-34-3	70								
1,2-Dichloroethane	107-06-2	3								
1,2-Dichloropropane	78-87-5	5								
2-Butanone	78-93-3	4200								
Acetone	67-64-1	700								
Benzene	71-43-2	1								
Bromodichloromethane	75-27-4	0.6								
Carbon Disulfide	75-15-0	700								
Chlorobenzene	108-90-7	100								
Chloroethane	75-00-3	12								
Chloroform	67-66-3	5.7								
Chlorodibromomethane	124-48-1	0.4								
Chloromethane	74-87-3	2.7								
cis -1,2-Dichloroethene	156-59-2	70		8	0.3 J	1				25
Ethylbenzene	100-41-4	30								
Methyl *tert* -Butyl Ether	1634-04-4	50								
Tetrachloroethene	127-18-4	3								3.6
Toluene	108-88-3	40								1.3
Total Xylenes	1330-20-7	20								
Trans-1,2-Dichloroethene	156-60-5	100								
Trichloroethene	79-01-6	3		23	1	4				440
Vinyl Chloride	75-01-4	1								14
Inorganics (µg/L)										
Aluminum	7429-90-5	200	4067	NA	NA		NA			
Aluminum Dissolved		*	*	NA	NA		NA			
Antimony	7440-36-0	6	4.1	NA	NA		NA			
Antimony Dissolved		*	*	NA	NA		NA			
Arsenic	7440-38-2	50	5	NA	NA		NA			
Arsenic Dissolved		*	*	NA	NA		NA			
Barium	7440-39-3	2000	31.4	NA	NA		NA			
Barium Dissolved		*	*	NA	NA		NA			
Beryllium	7440-41-7	4	*	NA	NA		NA			
Beryllium Dissolved		*	*	NA	NA		NA			
Calcium	7440-70-2	*	36830	NA	NA		NA			
Calcium Dissolved		*	*	NA	NA		NA			
Chromium	7440-47-3	100	7.8	NA	NA		NA			
Chromium Dissolved		*	*	NA	NA		NA			
Cobalt	7440-48-4	420	*	NA	NA		NA			
Cobalt Dissolved		*	*	NA	NA		NA			
Copper	7440-50-8	1000	5.4	NA	NA		NA			

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-DP02A			OLD-OU2-DP02B			
Sample ID		Florida GCTL[b]	NTC BGSV[c]	NTCOU2GP2A04	NTCOU2GP2A05	NTCOU2DP2A06	NTCOU2GP2B04	NTCOU2DP2B06	NTCOU2DP2B06-D	NTCOU2GP2B07
Sample Date				3/26/2002	6/19/2002	9/12/2002	3/25/2002	9/12/2002	9/12/2002	12/16/2002
Inorganics continued (µg/L)										
Copper Dissolved		*	*	NA	NA		NA			
Iron	7439-89-6	300	1227	NA	3340	3030	NA	842	927	1090
Iron Dissolved		*	*	2870	NA		1010			
Lead	7439-92-1	15	4	NA	NA		NA			
Lead Dissolved		*	*	NA	NA		NA			
Magnesium	7439-95-4	*	4560	NA	NA		NA			
Magnesium Dissolved		*	*	NA	NA		NA			
Manganese	7439-96-5	50	17	NA		2.3	NA	4.2		5.8
Manganese Dissolved		*	*		NA		5.8			
Mercury	7439-97-6	2	0.12	NA	NA		NA			
Mercury Dissolved		*	*	NA	NA		NA			
Nickel	7440-02-0	100	*	NA	NA		NA			
Nickel Dissolved		*	*	NA	NA		NA			
Potassium	7440-09-7	*	5400	NA	NA		NA			
Potassium Dissolved		*	*	NA	NA		NA			
Selenium	7782-49-2	50	9.7	NA	NA		NA			
Selenium Dissolved		*	*	NA	NA		NA			
Sodium	7440-23-5	160000	18222	NA	NA		NA			
Sodium Dissolved		*	*	NA	NA		NA			
Thallium	7440-28-0	2	3.8	NA	NA		NA			
Thallium Dissolved		*	*	NA	NA		NA			
Vanadium	7440-62-2	49	20.6	NA	NA		NA			
Vanadium Dissolved		*	*	NA	NA		NA			
Zinc	7440-66-6	5000	4	NA	NA		NA			
Zinc Dissolved		*	*	NA	NA		NA			
Water Chemistry (mg/L)				**NA**		**NA**		**NA**	**NA**	
Alkalinity		*			NA					15
Chloride	16887-00-6	250,000			40 J		14			8
Dissolved Organic Carbon		*			6.9		7.3			NA
Nitrate	14797-55-8	10,000								
Orthophosphate		*								1.1
Sulfate	14808-79-8	250,000			14					1.3
Dissolved Gases (mg/L)				**NA**		**NA**			**NA**	
Carbon Dioxide	124-38-9	*			96.6		95.2	120.6		145.9
Hydrogen (nm/L)	1333-74-0	*			1.9		2.1	5		1.6
Nitrogen	7727-37-9	*			12.3		12	13.4		8.5
Oxygen	7782-44-7	*			0.5		1.23	1.63		0.15
Volatile Gases (µg/L)				**NA**	**NA**	**NA**			**NA**	
Ethane	74-84-0	*					0.03	0.32		0.48
Ethene	74-85-1	*					0.64	0.45		2.84
Methane	74-82-8	*					244.1	410.1		815.2

TABLE 5

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

[a] For an organic analyte, the screening criterion is the GCTL; for an inorganic analyte with an established GCTL and BGSV, the screening criterion is the greater of the GCTL or the BGSV. Analytes with no GCTL are not considered to have exceedances.

[b] Groundwater Cleanup Target Level [Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C.,May 26, 1999].

[c] Background Screening Value (Background Sampling Report for NTC, Orlando, Florida; ABB Environmental Services, August 1995) for inorganics only.
[d] Sample filtered in the field.
* Indicates that the screening value is not available.
Empty cells indicate non-detects.
"J" qualifier indicates an estimated value.
NA - No analysis performed.
nm/L - nanmoles per liter.
Only chemicals detected in at least one sample are shown.
Values in shaded cells are equal to or exceed the screening criteria.

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW001		SW002	SW003	SW004	SW005		SW006	
Sample ID		Florida SWCTL[a]	NTCSW00100	NTCSW00103	NTCSW00200	NTCSW00300	NTCSW00400	NTCSW00500	NTCSW00503	NTCSW00600	NTCSW00600-D
Sample Date			7/1/1997	8/11/1999	7/1/1997	7/1/1997	7/1/1997	7/1/1997	8/11/1999	7/2/1997	7/2/1997
Volatiles (µg/L)				**NA**					**NA**		
Acetone	67-64-1	1,692									
Benzene	71-43-2	71.28[b]									
Carbon Disulfide											
Chloroform	67-66-3	470.8[b]									
Chloromethane	74-87-3	470.8[b]									
cis -1,2-Dichloroethene	156-59-2	*									
Tetrachloroethene	127-18-4	8.85									
Toluene	108-88-3	475									
Trichloroethene											
Inorganics (µg/L)											
Iron	7439-89-6	1000	272 J	5010	292 J	324 J	606 J	288 J		1330 J	146 J
Manganese	7439-96-5	*	6.5 J	159	9.3 J	14.7 J				55.0 J	24.4 J
Water Chemistry (mg/L)				**NA**					**NA**		
Alkalinity		*									
Chloride	16887-00-6	*									
Hardness as $CaCO_3$		*	34.4		28.6	32.5	43.9	51.6		61.1	42
Total Alkalinity		*	23.9		24.9	24.4	20.5	21.4		24.4	30.2
Total Dissolved Solids		*	106		169	153	122	104		223	159
Total Suspended Solids		*	9		23		11			120	31
Total Organic Carbon		*									

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW007	SW008		SW009	SW010			SW011
Sample ID		Florida SWCTL[a]	NTCSW00700	NTCSW00800	NTCSW00803	NTCSW00900	NTCSW01000	NTCSW01002	NTCSW01003	NTCSW01100
Sample Date			7/2/1997	7/18/1997	8/12/1999	7/2/1997	7/2/1997	9/24/1997	8/12/1999	8/25/1998
Volatiles (µg/L)					**NA**				**NA**	
Acetone	67-64-1	1,692								
Benzene	71-43-2	71.28[b]								
Carbon Disulfide										
Chloroform	67-66-3	470.8[b]								
Chloromethane	74-87-3	470.8[b]								
cis -1,2-Dichloroethene	156-59-2	*								
Tetrachloroethene	127-18-4	8.85								
Toluene	108-88-3	475								16.3
Trichloroethene										
Inorganics (µg/L)										
Iron	7439-89-6	1000	588 J	1240	288	6530 J	49000 J	3200	1700	7090
Manganese	7439-96-5	*	57.7 J	6.4		31.6 J	1360 J	50		49.9
Water Chemistry (mg/L)					**NA**				**NA**	
Alkalinity		*								
Chloride	16887-00-6	*								
Hardness as $CaCO_3$		*	45.8			59.2	155			
Total Alkalinity		*	19.9	61.3		17.1	64.4			
Total Dissolved Solids		*	365	90		166	67			
Total Suspended Solids		*	85	42		100	725			
Total Organic Carbon		*								25.7

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW012		SW013	SW014		SW015		SW016	
Sample ID		Florida SWCTL[a]	NTCSW01200	NTCSW01203	NTCSW01300	NTCSW01400	NTCSW01403	NTCSW01500	NTCSW01503	NTCSW01600	NTCSW01600-D
Sample Date			8/25/1998	8/11/1999	8/25/1998	8/26/1998	8/11/1999	8/26/1998	8/12/1999	8/25/1998	8/25/1998
Volatiles (µg/L)				**NA**			**NA**		**NA**		
Acetone	67-64-1	1,692									
Benzene	71-43-2	71.28[b]									
Carbon Disulfide											
Chloroform	67-66-3	470.8[b]									
Chloromethane	74-87-3	470.8[b]									
cis -1,2-Dichloroethene	156-59-2	*									
Tetrachloroethene	127-18-4	8.85									
Toluene	108-88-3	475									
Trichloroethene											
Inorganics (µg/L)											
Iron	7439-89-6	1000	4150	1180	4680	2140	1510	12000	899	4850	3680
Manganese	7439-96-5	*	54.3	12.5	77.9		19.7	47.7	11.7	14.9	
Water Chemistry (mg/L)				**NA**			**NA**		**NA**		
Alkalinity		*									
Chloride	16887-00-6	*									
Hardness as $CaCO_3$		*									
Total Alkalinity		*									
Total Dissolved Solids		*									
Total Suspended Solids		*									
Total Organic Carbon		*	13.1		58.9	16.7		30.5		12.6	15.4

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW017	SW018		SW019			SW020		
Sample ID		Florida SWCTL[a]	NTCSW01700	NTCSW01800	NTCSW01803	NTCSW01900	NTCSW01900-D	NTCSW01903	NTCSW02000	NTCSW02003	NTCSW02003-D
Sample Date			8/25/1998	8/27/1998	8/12/1999	8/25/1998	8/25/1998	8/11/1999	8/27/1998	8/12/1999	8/12/1999
Volatiles (µg/L)					**NA**			**NA**		**NA**	**NA**
Acetone	67-64-1	1,692									
Benzene	71-43-2	71.28[b]									
Carbon Disulfide											
Chloroform	67-66-3	470.8[b]									
Chloromethane	74-87-3	470.8[b]									
cis -1,2-Dichloroethene	156-59-2	*									
Tetrachloroethene	127-18-4	8.85									
Toluene	108-88-3	475									
Trichloroethene											
Inorganics (µg/L)											
Iron	7439-89-6	1000		2900	2340	2050	1340		149000	277	397
Manganese	7439-96-5	*	16.7		10.9	18.8	16.4		419	4.7	4.9
Water Chemistry (mg/L)					**NA**			**NA**		**NA**	**NA**
Alkalinity		*									
Chloride	16887-00-6	*									
Hardness as $CaCO_3$		*									
Total Alkalinity		*									
Total Dissolved Solids		*									
Total Suspended Solids		*									
Total Organic Carbon		*	7.6	23.4		12.8	22.5		108		

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW021		SW022	SW023		SW024	SW025	SW026	SW027
Sample ID		Florida SWCTL[a]	NTCSW02100	NTCSW02103	NTCSW02200	NTCSW02303	NTCSW02303-D	NTCSW02403	NTCSW02503	NTCSW02603	NTCSW02703
Sample Date			8/26/1998	8/12/1999	8/26/1998	8/10/1999	8/10/1999	8/10/1999	8/10/1999	8/11/1999	8/10/1999
Volatiles (µg/L)				**NA**							
Acetone	67-64-1	1,692									
Benzene	71-43-2	71.28[b]									
Carbon Disulfide											
Chloroform	67-66-3	470.8[b]						0.32 J			
Chloromethane	74-87-3	470.8[b]									
cis -1,2-Dichloroethene	156-59-2	*									
Tetrachloroethene	127-18-4	8.85									
Toluene	108-88-3	475									0.31 J
Trichloroethene											
Inorganics (µg/L)											
Iron	7439-89-6	1000	83300		732	968	1070	1290	769	486	523
Manganese	7439-96-5	*	367		16.6	72.3	56	78.3	86.7	14.1	
Water Chemistry (mg/L)				**NA**							
Alkalinity		*				NA	NA	(a)	(a)	31	(a)
Chloride	16887-00-6	*									
Hardness as $CaCO_3$		*				130	120	120	48	42	50
Total Alkalinity		*				81	77	74	29	(a)	42
Total Dissolved Solids		*				170	170	150	71	86	77
Total Suspended Solids		*				7				5	
Total Organic Carbon		*	75.9		6.3						

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	SW028	OLD-OU2-SW29				OLD-OU2-SW30			
Sample ID		Florida SWCTL[a]	NTCSW02803	NTCOU2SW2904	NTCOU2SW2905	NTCOU2SW2906	NTCOU2SW2907	NTCOU2SW3004	NTCOU2SW3005	NTCOU2SW3006	NTCOU2SW3007
Sample Date			8/10/1999	3/27/2002	6/26/2002	9/17/2002	12/18/2002	3/27/2002	6/26/2002	9/17/2002	12/18/2002
Volatiles (µg/L)											
Acetone	67-64-1	1,692	12 J								
Benzene	71-43-2	71.28[b]									
Carbon Disulfide											
Chloroform	67-66-3	470.8[b]									
Chloromethane	74-87-3	470.8[b]									
cis -1,2-Dichloroethene	156-59-2	*									
Tetrachloroethene	127-18-4	8.85									
Toluene	108-88-3	475	0.36 J								
Trichloroethene											
Inorganics (µg/L)											
Iron	7439-89-6	1000	540	6200	1710	784	977	3070	2840	1620	831
Manganese	7439-96-5	*		30	26.7	22.3	26.3	34.3	36.6	28.6	24.5
Water Chemistry (mg/L)											
Alkalinity		*	(a)	NA	NA			NA	NA		
Chloride	16887-00-6	*		34	23 J	10	18	34	20 J	10	18
Hardness as $CaCO_3$		*	81	NA	NA			NA	NA		
Total Alkalinity		*	57	NA	NA			NA	NA		
Total Dissolved Solids		*	120	NA	NA			NA	NA		
Total Suspended Solids		*	28	NA	NA			NA	NA		
Total Organic Carbon		*		NA	NA			NA	NA		

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-SW31				OLD-OU2-SW32		
Sample ID		Florida SWCTL[a]	NTCOU2SW3104	NTCOU2SW3105	NTCOU2SW3106	NTCOU2SW3107	NTCOU2SW3204	NTCOU2SW3205	NTCOU2SW3205-D
Sample Date			3/27/2002	6/26/2002	9/17/2002	12/18/2002	3/27/2002	6/26/2002	6/26/2002
Volatiles (µg/L)									
Acetone	67-64-1	1,692							
Benzene	71-43-2	71.28[b]							
Carbon Disulfide						1.1			
Chloroform	67-66-3	470.8[b]							
Chloromethane	74-87-3	470.8[b]			2				
cis -1,2-Dichloroethene	156-59-2	*							
Tetrachloroethene	127-18-4	8.85							
Toluene	108-88-3	475					8		
Trichloroethene									
Inorganics (µg/L)									
Iron	7439-89-6	1000	781	487	40600	582	13200	479	505
Manganese	7439-96-5	*	8.1	5.3	115	9.5	131	8.5	8.1
Water Chemistry (mg/L)									
Alkalinity		*	NA	NA			NA	NA	NA
Chloride	16887-00-6	*	33	10 J	10	12	20	8 J	4 J
Hardness as $CaCO_3$		*	NA	NA			NA	NA	NA
Total Alkalinity		*	NA	NA			NA	NA	NA
Total Dissolved Solids		*	NA	NA			NA	NA	NA
Total Suspended Solids		*	NA	NA			NA	NA	NA
Total Organic Carbon		*	NA	NA			NA	NA	NA

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-SW32		OLD-OU2-SW33			OLD-OU2-SW33
Sample ID		Florida SWCTL[a]	NTCOU2SW3206	NTCOU2SW3207	NTCOU2SW3304	NTCOU2SW3305	NTCOU2SW3306	NTCOU2SW3307
Sample Date			9/17/2002	12/18/2002	3/27/2002	6/26/2002	9/17/2002	12/18/2002
Volatiles (µg/L)								
Acetone	67-64-1	1,692						
Benzene	71-43-2	71.28[b]					0.1 J	
Carbon Disulfide				1.9				0.71 J
Chloroform	67-66-3	470.8[b]						
Chloromethane	74-87-3	470.8[b]						
cis -1,2-Dichloroethene	156-59-2	*						
Tetrachloroethene	127-18-4	8.85			0.5 J			
Toluene	108-88-3	475						
Trichloroethene								
Inorganics (µg/L)								
Iron	7439-89-6	1000	2300	357	1460	524	599	362
Manganese	7439-96-5	*	31.1	3.9	110	6.1	22.2	3.1
Water Chemistry (mg/L)								
Alkalinity		*			NA	NA		
Chloride	16887-00-6	*	8	8.8	35	7 J	8	8.6
Hardness as $CaCO_3$		*			NA	NA		
Total Alkalinity		*			NA	NA		
Total Dissolved Solids		*			NA	NA		
Total Suspended Solids		*			NA	NA		
Total Organic Carbon		*			NA	NA		

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-SW34				OLD-OU2-SW35			
Sample ID		Florida SWCTL[a]	NTCOU2SW3404	NTCOU2SW3405	NTCOU2SW3406	NTCOU2SW3407	NTCOU2SW3504	NTCOU2SW3505	NTCOU2SW3506	NTCOU2SW3506-D
Sample Date			3/27/2002	6/26/2002	9/17/2002	12/18/2002	3/27/2002	6/26/2002	9/17/2002	9/17/2002
Volatiles (µg/L)										
Acetone	67-64-1	1,692								
Benzene	71-43-2	71.28[b]								
Carbon Disulfide						1.4				
Chloroform	67-66-3	470.8[b]								
Chloromethane	74-87-3	470.8[b]								
cis -1,2-Dichloroethene	156-59-2	*								
Tetrachloroethene	127-18-4	8.85								
Toluene	108-88-3	475								
Trichloroethene										
Inorganics (µg/L)										
Iron	7439-89-6	1000	797	530	314		1240	559	280	286
Manganese	7439-96-5	*	28.8	5.4	2.2	2.1	12.2	6	2	2.1
Water Chemistry (mg/L)										
Alkalinity		*	NA	NA			NA	NA		
Chloride	16887-00-6	*	45	8 J	9.3	8.8	39	8 J	9.4	9.5
Hardness as $CaCO_3$		*	NA	NA			NA	NA		
Total Alkalinity		*	NA	NA			NA	NA		
Total Dissolved Solids		*	NA	NA			NA	NA		
Total Suspended Solids		*	NA	NA			NA	NA		
Total Organic Carbon		*	NA	NA			NA	NA		

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria	OLD-OU2-SW35		OLD-OU2-SW36			
Sample ID		Florida SWCTL[a]	NTCOU2SW3507	NTCOU2SW3507-D	NTCOU2SW3604	NTCOU2SW3605	NTCOU2SW3606	NTCOU2SW3607
Sample Date			12/18/2002	12/18/2002	3/27/2002	6/26/2002	9/17/2002	12/18/2002
Volatiles (µg/L)								
Acetone	67-64-1	1,692						
Benzene	71-43-2	71.28[b]						
Carbon Disulfide			3.9 J	1.4 J				2.3
Chloroform	67-66-3	470.8[b]						
Chloromethane	74-87-3	470.8[b]						
cis-1,2-Dichloroethene	156-59-2	*			0.4 J			
Tetrachloroethene	127-18-4	8.85						
Toluene	108-88-3	475						
Trichloroethene			0.73 J	0.73 J				
Inorganics (µg/L)								
Iron	7439-89-6	1000			1520	706	392	
Manganese	7439-96-5	*	1.9	1.9	9.4	2.2	3.5	2.7
Water Chemistry (mg/L)								
Alkalinity		*			NA	NA		
Chloride	16887-00-6	*	8.9	8.7	41	20 J	10	15
Hardness as $CaCO_3$		*			NA	NA		
Total Alkalinity		*			NA	NA		
Total Dissolved Solids		*			NA	NA		
Total Suspended Solids		*			NA	NA		
Total Organic Carbon		*			NA	NA		

TABLE 6

HISTORICAL DETECTIONS IN SURFACE WATER
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

[a] Surface Water Cleanup Target Level [Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999].

[b] Annual average.

[*] Indicates that the screening value is not available.
Empty cells indicate non detects.
"J" qualifier indicates an estimated value.
NA - no analysis performed.
Only chemicals detected in at least one sample are shown.
Values in shaded cells are equal to or exceed the screening criteria.

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample Date				6/19/2003	6/19/2003	6/19/2003	6/19/2003	6/21/2003	6/21/2003	6/21/2003
Volatiles (µg/L)										
1,1,1-Trichloroethane	71-55-6	200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	0.2		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7		1 U	1 U	1 U	1 U	1.92	1 U	1 U
1,2-Dichloroethane	107-06-2	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	*		1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	4,200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	280		1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	560		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	67-64-1	700		10 U	10 U	10 U	10 U	10 U	10 U	10 U, J
Benzene	71-43-2	1		1 U	1 U	3.2	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	0.6		0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U
Bromoform	75-25-2	4.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	9.8		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	75-15-0	700		2 U	2 U	2 U	2 U	2 U	2 U	2 U, J
Carbon Tetrachloride	56-23-5	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100		1 U	1 U	1 U	7.09	1 U	1 U	1 U
Chlorodibromomethane	124-48-1	0.4		0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	1 U	0.400 U
Chloroethane	75-00-3	12		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	5.7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	2.7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis -1,2-Dichloroethene	156-59-2	70		1 U	1 U	1 U	1 U	305	1 U	1 U
cis -1,3-Dichloropropene[d]	#N/A	0.2		0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Ethylbenzene	100-41-4	30		1 U	1 U	1 U	1 U	1.02	1 U	1 U
Methyl *tert* -butyl ether	1634-04-4	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	91-20-3	20		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	3		1 U	1 U	1 U	1 U	81.3	1 U	1 U
Toluene	108-88-3	40		1 U	1 U	1 U	1 U	2.89	1 U	2.68
Total Xylenes	1330-20-7	20		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	156-60-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.2		0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	1 U	0.200 U
1,3,5-Trimethylbenzene	108-67-8	10		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	3		1 U	1 U	1 U	1 U	4390	1 U	1 U
Vinyl Chloride	75-01-4	1		1 U	1 U	1.72	1 U	58.9	1 U	1 U

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-02A	OLD-OU2-02B	OLD-OU2-03A	OLD-OU2-03B	OLD-OU2-18B	OLD-OU2-21A	OLD-OU2-21B
Sample Date				6/19/2003	6/19/2003	6/19/2003	6/19/2003	6/21/2003	6/21/2003	6/21/2003
Inorganics (µg/L)										
Iron	7439-89-6	300	1227	20320	3083	12700	13150	965.2	166.5	1459
Manganese	7439-96-5	50	17	148.3	14.4	130	24	12.1	1.3	10.2
Water Chemistry (mg/L)										
Alkalinity		*		399	19.8	57.2	114	18.5	1 U	27.7
Ammonia Nitrogen as N				16.7	0.119	0.833	5.6	0.041	0.020 U	0.341
Ammonium Ion, NH4				0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chloride	16887-00-6	250,000		32.2	47.9	30.9	50.8	9.2	11.8	18.6
Dissolved Organic Carbon8**		*		48	7.02	14.2	16.82	5.63	2.55	4.55
Nitrate	14797-55-8	10,000		0.145	0.032	0.0200 U	0.027	0.038	0.029	0.028
Nitrite	14797-65-0	*		0.027	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Orthophosphate		*		0.132	0.856	0.056	0.03	0.913	0.005	1.7
Sulfate	14808-79-8	250,000		5 U	13.5	5.68	6.57	5 U	5 U	5 U
Dissolved Gases (mg/L)										
Carbon Dioxide	124-38-9	*		431.5	180.4	265.7	234.9	259.3	75.9	195.2
Hydrogen (nm/L)	1333-74-0	*		2.2	2	2.6	2.2	1.8	1.5	2
Nitrogen	7727-37-9	*		3.8	8.6	6	8.3	7.3	9.8	8.5
Oxygen	7782-44-7	*		0.15 U	0.68	0.16	0.9	0.44	1.98	0.59
Volatile Gases (µg/L)										
Ethane	74-84-0	*		0.01 U	0.01 U	0.02	0.03	1.37	0.01 U	0.29
Ethene	74-85-1	*		0.01 U	0.01 U	0.13	0.02	10.38	0.01 U	0.06
Methane	74-82-8	*		4552.2	219.7	4195.8	1632.9	1798.9	8	5450.4

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27A	OLD-OU2-27B		OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-27A	OLD-OU2-27B	OLD-OU2-27B-DUP	OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B
Sample Date				6/20/2003	6/20/2003	6/20/2003	6/19/2003	6/19/2003	6/19/2003	6/19/2003
Volatiles (µg/L)										
1,1,1-Trichloroethane	71-55-6	200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	0.2		1 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,1,2-Trichloroethane	79-00-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	*		1 U	7.57	7.69	1 U	1 U	1 U	1.3
2-Butanone	78-93-3	4,200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	280		1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	560		1 U	1U	1U	1U	1U	1 U	1 U
Acetone	67-64-1	700		10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	1		1.5	23	23.7	1 U	1 U	1 U	1.54
Bromodichloromethane	75-27-4	0.6		0.600 U	0.600U	0.600U	0.600U	0.600U	0.600 U	0.600 U
Bromoform	75-25-2	4.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	9.8		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	75-15-0	700		2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon Tetrachloride	56-23-5	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100		4.33	52.5	54.1	1 U	1 U	1 U	3.08
Chlorodibromomethane	124-48-1	0.4		0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U
Chloroethane	75-00-3	12		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	5.7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	2.7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis -1,2-Dichloroethene	156-59-2	70		1.14	5.17	5.29	1 U	1 U	1 U	1 U
cis -1,3-Dichloropropene[d]	#N/A	0.2		0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Ethylbenzene	100-41-4	30		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl *tert* -butyl ether	1634-04-4	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	91-20-3	20		5 U	16.6	18.5	5 U	5 U	5 U	5 U
Styrene	100-42-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	40		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	1330-20-7	20		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	156-60-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.2		0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,3,5-Trimethylbenzene	108-67-8	10		1 U	1.15	1.2	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	1		8.94	4.43	5.19	1 U	1 U	1 U	1 U

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-27A	OLD-OU2-27B		OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-27A	OLD-OU2-27B	OLD-OU2-27B-DUP	OLD-OU2-29A	OLD-OU2-29B	OLD-OU2-30A	OLD-OU2-30B
Sample Date				6/20/2003	6/20/2003	6/20/2003	6/19/2003	6/19/2003	6/19/2003	6/19/2003
Inorganics (µg/L)										
Iron	7439-89-6	300	1227	21030	2036	1809	5726	3663	4811	37380
Manganese	7439-96-5	50	17	308.8	10.2	8.9	9.2	9.8	86.6	138.8
Water Chemistry (mg/L)										
Alkalinity		*		54.2	15.4		28.6	17.6	45.3	203
Ammonia Nitrogen as N				4.7	0.308		0.207	0.151	0.519	4.73
Ammonium Ion, NH4				0.02 U	0.02 U		0.02 U	0.02 U	0.02 U	0.02 U
Chloride	16887-00-6	250,000		19.7	35.7		50.6	13.6	77	90.3
Dissolved Organic Carbon8**		*		31.53	12.13		14.53	4.97	44.07	41.84
Nitrate	14797-55-8	10,000		0.023	0.028		0.025	0.0200 U	0.036	0.029
Nitrite	14797-65-0	*		0.0050 U	0.1 U		0.0050 U	0.0050 U	0.02	0.0050 U
Orthophosphate		*		0.011	0.1 U		0.018	1.32	0.026	0.126
Sulfate	14808-79-8	250,000		35.2	15.1		47.6	5 U	65.1	10.8
Dissolved Gases (mg/L)										
Carbon Dioxide	124-38-9	*		347.8	429.4		166.2	90.6	150.9	252.3
Hydrogen (nm/L)	1333-74-0	*		2.4	3.6		2.5	2	2.4	2.4
Nitrogen	7727-37-9	*		8	5.3		9.7	9.1	7.4	4.9
Oxygen	7782-44-7	*		0.53	0.33		0.7	1.75	0.61	0.23
Volatile Gases (µg/L)										
Ethane	74-84-0	*		0.3	0.37		0.01 U	0.02	0.01 U	0.07
Ethene	74-85-1	*		1.43	1.14		0.05	0.05	0.01	0.18
Methane	74-82-8	*		253.8	3195.1		156.2	344.2	371	4154.3

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31A	OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-31A	OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample Date				6/21/2003	6/21/2003	6/20/2003	6/20/2003	6/21/2003	6/21/2003	6/21/2003
Volatiles (µg/L)										
1,1,1-Trichloroethane	71-55-6	200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	0.2		0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,1,2-Trichloroethane	79-00-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	70		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	106-46-7	*		1 U	6.6	1 U	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	4,200		1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	280		1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	560		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	67-64-1	700		10 U	10 U	10 U	10 U	10 U, J	10 U	10 U
Benzene	71-43-2	1		1 U	3.18	1 U	1 U	1 U	2.57	1.01
Bromodichloromethane	75-27-4	0.6		0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U
Bromoform	75-25-2	4.4		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	9.8		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	75-15-0	700		2 U	2.0 U	2 U	2 U	2 U, J	2 U	2 U
Carbon Tetrachloride	56-23-5	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	100		1 U	27.2	1 U	1 U	1 U	1.82	1 U
Chlorodibromomethane	124-48-1	0.4		0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U
Chloroethane	75-00-3	12		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	5.7		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	2.7		1 U	1 U	1 U	1 U	1 U	1.18	1 U
cis -1,2-Dichloroethene	156-59-2	70		1 U	2.4	1 U	1 U	1 U	6.19	63.1
cis -1,3-Dichloropropene[d]	#N/A	0.2		0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Ethylbenzene	100-41-4	30		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl *tert* -butyl ether	1634-04-4	50		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	5		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	91-20-3	20		5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	3		1 U	2.32	1 U	1 U	1 U	1 U	12.3
Toluene	108-88-3	40		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	1330-20-7	20		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	156-60-5	100		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	0.2		0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
1,3,5-Trimethylbenzene	108-67-8	10		1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	79-01-6	3		1 U	1 U	1 U	5.4	1 U	51.6	969
Vinyl Chloride	75-01-4	1		1 U	3.29	1 U	1 U	1 U	4.16	10.7

TABLE 7

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria[a]		OLD-OU2-31A	OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample ID		Florida GCTL[b]	NTC BGSV[c]	OLD-OU2-31A	OLD-OU2-31B	OLD-OU2-32A	OLD-OU2-32B	OLD-OU2-33A	OLD-OU2-33B	OLD-OU2-DP02A
Sample Date				6/21/2003	6/21/2003	6/20/2003	6/20/2003	6/21/2003	6/21/2003	6/21/2003
Inorganics (µg/L)										
Iron	7439-89-6	300	1227	598.9	1670	207.8	1128	2357	1589	1827
Manganese	7439-96-5	50	17	8	6.6	1.9	9.3	8.9	9.2	2.6
Water Chemistry (mg/L)										
Alkalinity		*		1 U	14.5	1.8	13.6	11	18.5	4.4
Ammonia Nitrogen as N				0.020 U	0.020 U	0.020 U	0.022	0.020 U	0.034	0.045
Ammonium Ion, NH4				0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chloride	16887-00-6	250,000		5 U	15.6	5 U	5.31	5 U	12	11.2
Dissolved Organic Carbon8**		*		3.07	7.26	18.19	5.01	7.83	6.38	5.62
Nitrate	14797-55-8	10,000		0.0200 U	0.032	0.032	0.0200 U	0.3	0.041	0.0200 U
Nitrite	14797-65-0	*		0.0050 U	0.0050 U	0.02	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Orthophosphate		*		0.009	1.02	0.036	1.38	0.003	0.425	0.024
Sulfate	14808-79-8	250,000		5.86	29.1	5 U	5 U	9.48	11.6	6.49
Dissolved Gases (mg/L)										
Carbon Dioxide	124-38-9	*		31.3	302.5	52.9	108.3	166.6	303.8	274.1
Hydrogen (nm/L)	1333-74-0	*		1.9	1.6	2.4	2.7	2.8	2.4	1.7
Nitrogen	7727-37-9	*		8.3	8.7	9.5	8.5	9.2	6.3	6.4
Oxygen	7782-44-7	*		2.98	0.71	1.17	2.27	0.93	0.29	0.15 U
Volatile Gases (µg/L)										
Ethane	74-84-0	*		0.01 U	0.4	0.01 U	0.01 U	0.01 U	0.47	0.56
Ethene	74-85-1	*		0.06	0.67	0.01 U	0.42	0.04	0.54	2.28
Methane	74-82-8	*		22	466.2	90.3	239.2	371	1420.6	1525.5

Footnotes:

[a] For an organic analyte, the screening criterion is the GCTL; for an inorganic analyte with an established GCTL and BGSV, the screening criterion is the greater of the GCTL or the BGSV. Analytes with no GCTL are not considered to have exceedances.

[b] Groundwater Cleanup Target Level [Development of Soil Cleanup target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999].

[c] Background Screening Value Level (Background Sampling Report for NTC, Orlando, Florida; ABB Environment Services, August 1995) for inorganics only.

[d] GCTL for 1,3-dichloropropene (CAS No. 542-75-6) used.

* Indicates the GCTL is not available.

**Due to filtering error, DOC is Total Organic Carbon for the June 2003 sampling event.

Empty cells indicate parameter not analyzed.

"J" qualifier indicates an estimated value.

"R" qualifier indicates a rejected value.

"U" qualifier indicates a non-detect.

Values in shaded cells meet or exceed the screening criteria.

TABLE 8

VALIDATED SURFACE WATER ANALYTICAL RESULTS - JUNE 2003
OPERABLE UNIT 2

NAVAL TRAINING CENTER ORLANDO, FLORIDA

Well Designation	CAS NUMBER	Screening Criteria Florida SWCTL [a]	OLD-OU2-SW29	OLD-OU2-SW30	OLD-OU2-SW31	OLD-OU2-SW32	OLD-OU2-SW33	OLD-OU2-SW34	OLD-OU2-SW35	OLD-OU2-SW36
Sample ID			OLD-OU2-SW29	OLD-OU2-SW30	OLD-OU2-SW31	OLD-OU2-SW32	OLD-OU2-SW33	OLD-OU2-SW34	OLD-OU2-SW35	OLD-OU2-SW36
Sample Date			6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003	6/21/2003
Volatiles (µg/L)										
1,1,1-Trichloroethane	71-55-6	270	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	79-34-5	10.8[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	79-00-5	28.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	75-34-3	*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	75-35-4	3.2[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	107-06-2	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	78-87-5	2,600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	78-93-3	120,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	591-78-6	*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
4-Methyl-2-Pentanone	108-10-1	23,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	67-64-1	1,692	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	71-43-2	71.28[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	75-27-4	22[b]	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U	0.600 U
Bromoform	75-25-2	360[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	74-83-9	35	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	75-15-0	105	2 U	2 U	2 U	1 U	2 U	2 U	2 U	2 U
Carbon Tetrachloride	56-23-5	4.42[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	108-90-7	17	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	124-48-1	34[b]	1 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U	0.400 U
Chloroethane	75-00-3	*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	67-66-3	470.8[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	74-87-3	470.8[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis -1,2-Dichloroethene	156-59-2	*	1 U	1 U	1 U	1 U	1 U	1 U	1.6	1 U
cis -1,3-Dichloropropene	10061-01-5	12	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U	0.230 U
Ethylbenzene	100-41-4	605	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl tert-butyl ether	1634-04-4	33,600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	75-09-2	1580[b]	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	455	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	127-18-4	8.85[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	108-88-3	475	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Total Xylenes	1330-20-7	370	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	156-60-5	11,000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	10061-02-6	12	0.200 U	0.200 U	1 U	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Trichloroethene	79-01-6	80.7[b]	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	75-01-4	*	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Inorganics (µg/L)										
Iron	7439-89-6	1000	823.5	858.7	522	513.2	311.1	121.1	1156	221.3
Manganese	7439-96-5	*	10	5	10.2	9	3.6	3.1	6	3
Water Chemistry (mg/L)										
Chloride	16887-00-6	*	9	7.95	9.94	8.92	7.55	8.73	7.83	10.9

Notes:

[a] Surface Water Cleanup Target Level [Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777, F.A.C., May 26, 1999].

[b] Annual average.

* Indicates that the screening value is not available.

"J" qualifier indicates an estimated value.

"U" qualifier indicates non-detect.

Values in shaded cells are equal to or exceed the screening criteria.

FIGURES

Figure 1	*Groundwater Potentiometric Surface Map, Shallow Aquifer Zone – June 2003*
Figure 2	*Groundwater Potentiometric Surface Map, Deep Aquifer Zone – June, 2003*
Figure 3	*Groundwater Exceedances, Shallow Aquifer Zone – June 2003*
Figure 4	*Groundwater Exceedances, Intermediate and hawthorn Aquifer Zones – June 2003*

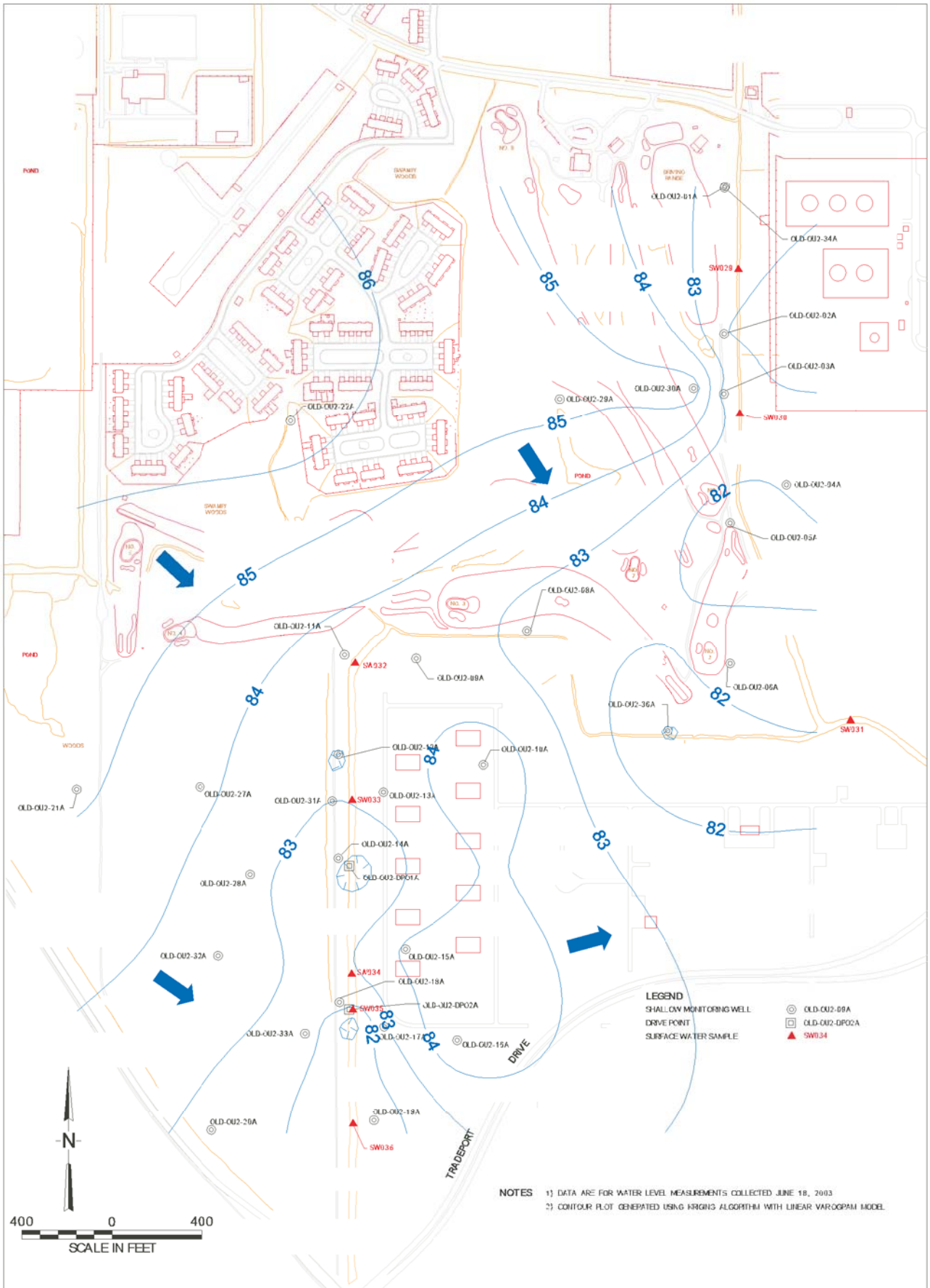


FIGURE 1
GROUNDWATER POTENTIOMETRIC SURFACE
SHALLOW AQUIFER ZONE
QUARTERLY SAMPLING - JUNE 2003
OPERABLE UNIT 2 - McCOY ANNEX

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

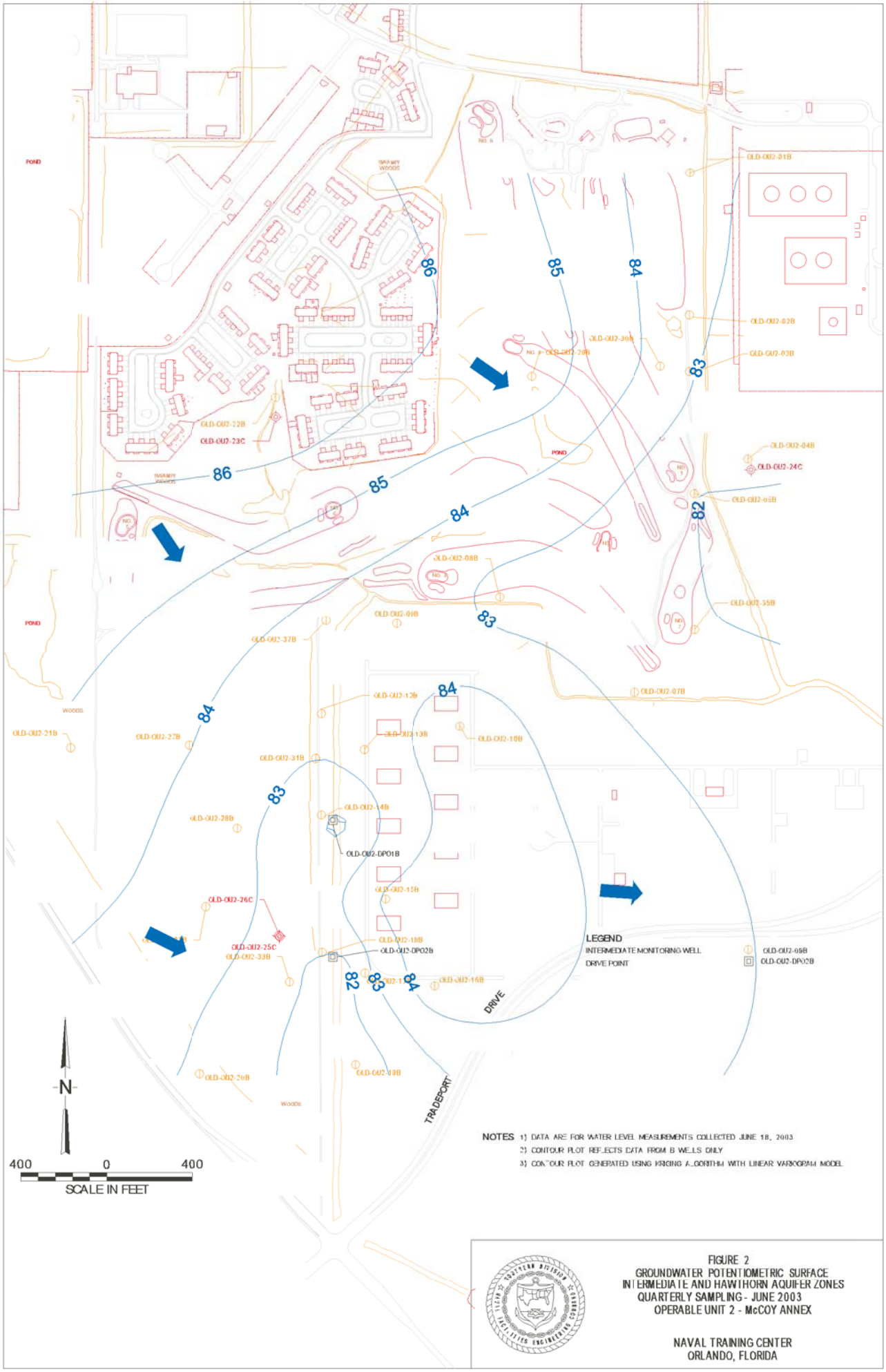


FIGURE 2
GROUNDWATER POTENTIOMETRIC SURFACE
INTERMEDIATE AND HAWTHORN AQUIFER ZONES
QUARTERLY SAMPLING - JUNE 2003
OPERABLE UNIT 2 - McCOY ANNEX

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

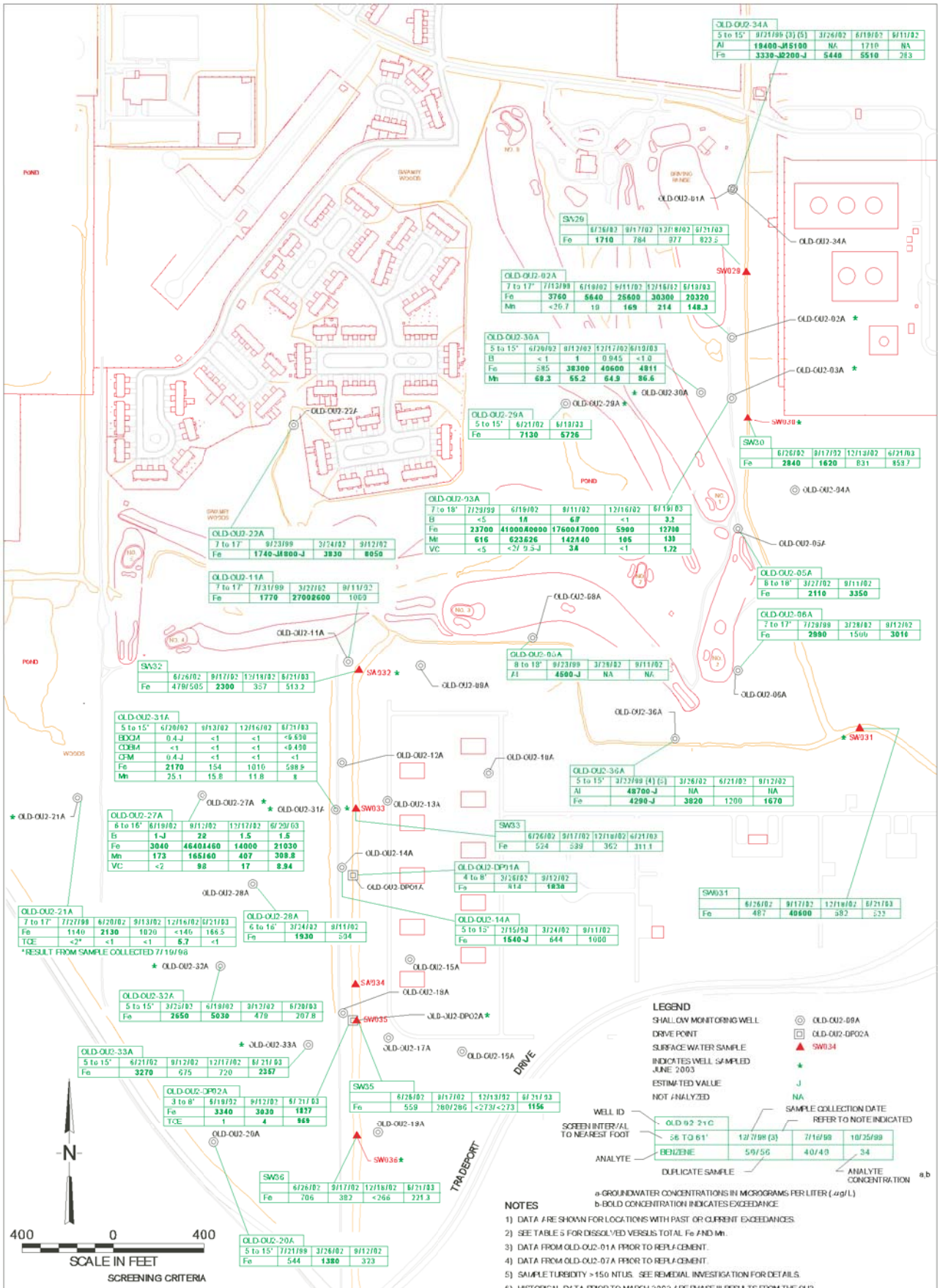
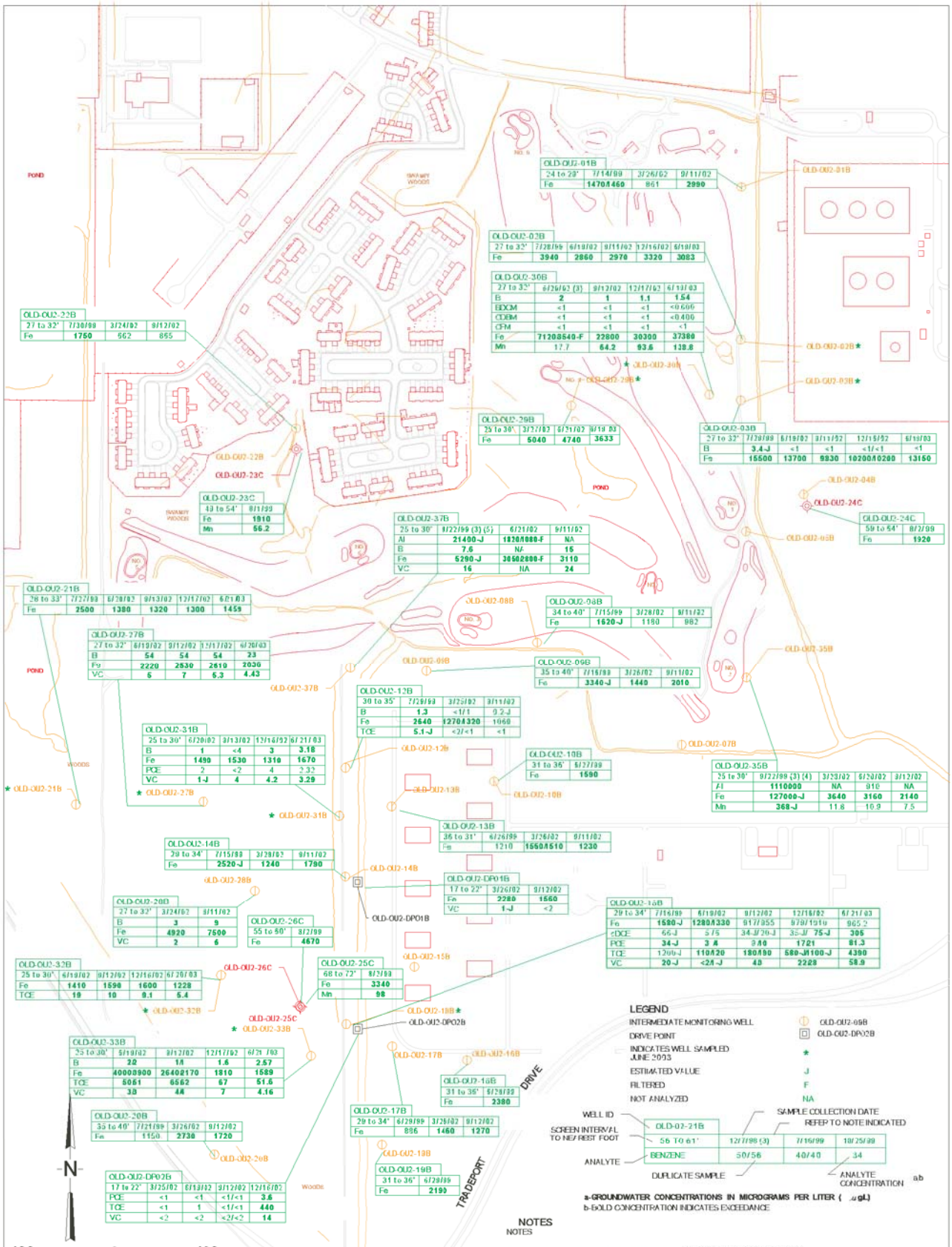


FIGURE 3
GROUNDWATER EXCEEDANCES
SHALLOW AQUIFER ZONE
QUARTERLY SAMPLING - JUNE 2003
OPERABLE UNIT 2 - McCOY ANNEX

NAVAL TRAINING CENTER
ORLANDO, FLORIDA



NOTES

NOTES

1) DATA ARE SHOWN FOR LOCATIONS WITH PAST OR CURRENT EXCEEDANCES.
2) SEE TABLE 5 FOR DISSOLVED VERSUS TOTAL Fe AND Mn.
3) DATA FROM OLD-OU2-06B PRIOR TO REPLACEMENT.
4) DATA FROM OLD-OU2-11B PRIOR TO REPLACEMENT.
5) HISTORICAL DATA PRIOR TO MARCH 2002 ARE PHASE III RESULTS FROM THE OU2 REMEDIAL INVESTIGATION. IF A WELL WAS NOT SAMPLED DURING PHASE III, DATA FROM PHASE II ARE PROVIDED.

SCREENING CRITERIA

ABBREV.	ANALYTE	GCTL	BGSV
Al	ALUMINUM	200	4057
B	BENZENE	1	---
BDCM	BROMODICHLOROMETHANE	0.6	---
cDCE	cis-1,2-DICHLOROETHENE	70	---
CDBM	CHLORODIBROMOMETHANE	0.4	---
CFM	CHLOROFORM	5.7	---
Fe (2)	IRON (2)	300	1227
Mn (2)	MANGANESE (2)	50	17
PCE	TETRACHLOROETHENE	3	---
TCE	TRICHLOROETHENE	3	---
VC	VINYL CHLORIDE	1	---

GCTL=GROUNDWATER CLEANUP TARGET LEVEL
BGSV=BACKGROUND SCREENING VALUE

FIGURE 4
GROUNDWATER EXCEEDANCES
INTERMEDIATE AND HAWTHORN AQUIFER ZONES
QUARTERLY SAMPLING - JUNE 2003
OPERABLE UNIT 2 - McCOY ANNEX

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

APPENDICES

A	*June 2003 Groundwater Sampling Logs*

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Sunny
Sampling ID: 07-71009/2:OLD-OU2-02A:6/19/03		
Notes: "Do high due to air bubbles in line. After 4 gallons, all readings were taken every .2 gallons"		

Well Information

Well ID: **OLD-OU2-02A**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 7.4-17.4
TOC Elevation (ft msl): 91.55	Northing: 1487053.95	Easting: 547448.27
Static Depth to Water (ft): 9.50	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 13.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 07:45	Purge End: 10:10	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
07:57	9.72	0.30	0.00	1.14	24.13	653.0	5.63	-115.0	6.96	clear	sulfuric
07:59	9.72	0.50	0.00	5.80	24.18	705.0	5.71	-123.0	4.22		
08:03	9.72	0.70	0.00	10.02	24.26	765.0	5.78	-127.0	5.34		
08:06	9.72	1.00	0.00	11.56	24.30	790.0	5.82	-128.0	6.43		
08:12	9.72	1.30	0.00	11.47	-114.00	516.0	5.72	-113.0	3.37		
08:39	9.73	2.70	0.00	5.86	24.18	874.0	5.92	-104.0	4.68		
08:42	9.74	2.90	0.00	8.93	24.28	908.0	5.93	-108.0	3.62		
08:45	9.73	3.10	0.00	9.12	24.35	931.0	5.95	-111.0	2.90		
08:48	9.73	3.30	0.10	9.11	24.36	952.0	5.96	-114.0	2.38		
08:52	9.73	3.30	0.00	8.66	24.38	968.0	5.97	-116.0	2.08		
08:55	9.73	3.50	0.00	8.19	24.39	970.0	5.98	-116.0	1.61		
09:00	9.73	3.70	0.00	6.54	24.46	981.0	5.99	-117.0	1.55		
09:02	9.73	3.90	0.00	4.49	24.39	982.0	5.99	-118.0	1.40		
09:05	9.73	4.00	0.00	2.23	24.42	986.0	5.99	-118.0	1.20		
09:08	9.73	4.00	0.00	0.84	24.46	986.0	6.00	-118.0	0.67		
09:11	9.73	4.00	0.00	0.61	24.48	985.0	6.00	-118.0	1.22		
09:14	9.73	4.00	0.00	0.59	24.56	991.0	6.00	-118.0	1.27		
09:17	9.73	4.00	0.00	0.57	24.51	995.0	6.01	-119.0	0.84		

Sampling Data

Sample Information

Sample Date:	6/19/2003
Sample Start Time:	09:21
Sample End Time:	10:25
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.55
Temp (*C):	24.46
SEC (uS/cm):	993.00
pH:	6.01
ORP (mV):	-119.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	255.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	3.20		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-02B:6/19/03		
Notes:		

Well Information

Well ID: **OLD-OU2-02B**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 27.1-32.1
TOC Elevation (ft msl): 91.77	Northing: 1487049.98	Easting: 547450.24
Static Depth to Water (ft): 8.65	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:36	Purge End: 11:36	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
10:36	8.82	0.20	0.00	3.72	23.56	288.0	5.23	-42.0	0.92	clear	sulfuric
10:38	8.82	0.40	0.00	2.88	23.60	286.0	5.10	-46.0	1.11		
10:44	8.74	0.60	0.00	4.54	24.11	284.0	5.02	-56.0	1.05		
10:52	8.80	1.00	0.00	5.82	23.63	282.0	4.97	-64.0	1.39		
10:57	8.75	1.20	0.05	5.62	23.84	282.0	4.97	-66.0	1.17		
10:59	8.75	1.40	0.00	5.27	23.79	283.0	4.96	-68.0	1.67		
11:03	8.75	1.60	0.00	3.29	23.91	283.0	4.97	-69.0	0.75		
11:06	8.75	1.70	0.00	1.90	23.98	285.0	4.97	-71.0	0.77		
11:09	8.75	1.80	0.00	1.30	24.14	284.0	4.98	-73.0	0.63		
11:13	8.75	1.90	0.00	0.86	24.42	283.0	4.98	-73.0	1.31		
11:17	8.70	2.00	0.03	0.83	24.61	284.0	4.99	-75.0	0.57		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/19/2003	DO (mg/L):	0.83	DO:	0.00	Sulfate:	0.00
Sample Start Time:	11:19	Temp (*C):	24.66	CO2:	207.00	Sulfide:	0.00
Sample End Time:	00:00	SEC (uS/cm):	284.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	5.00	Ferrous Iron:	2.60		
Duplicate:	☐	ORP (mV):	-76.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Part-Cloudy
Sampling ID: 07-71009/2:OLD-OU2-03A:6/19/03		
Notes:		

Well Information

Well ID: **OLD-OU2-03A**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 7.5-17.5
TOC Elevation (ft msl): 89.21	Northing: 1486787.57	Easting: 547446.75
Static Depth to Water (ft): 6.60	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 11.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 07:50	Purge End: 10:15	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
08:03	7.09	0.30	0.00	4.82	23.71	229.0	5.57	-121.0	11.70	yellow	sulfuric
08:05	7.27	0.60	0.15	3.80	23.73	221.0	5.55	-139.0	6.53		
08:08	7.38	0.00	-0.20	3.04	23.67	226.0	5.54	-153.0	6.27		
08:11	7.50	1.20	0.60	2.47	23.64	223.0	5.53	-160.0	4.93		
08:14	7.60	1.40	0.10	2.12	23.61	222.0	5.52	-164.0	6.45		
08:18	7.71	1.70	0.07	1.72	23.59	224.0	5.50	-168.0	4.96		
08:22	7.82	2.00	0.10	1.45	23.57	226.0	5.46	-171.0	4.72		
08:25	7.89	2.20	0.06	1.28	23.56	227.0	5.46	-173.0	5.07		
08:28	7.95	2.50	0.10	1.11	23.57	230.0	5.45	-173.0	4.92		
08:33	8.01	2.80	0.07	0.96	23.55	231.0	5.45	-174.0	4.36		
08:37	8.08	3.10	0.07	0.83	23.57	234.0	5.46	-176.0	3.68		
08:42	8.13	3.40	0.06	0.70	23.60	238.0	5.45	-170.0	4.01		
08:46	8.19	3.70	0.10	0.64	23.63	239.0	5.47	-172.0	4.47		
08:51	8.22	4.00	0.06	0.50	23.67	243.0	5.46	-174.0	3.85		
08:58	8.30	4.50	0.08	0.03	23.79	250.0	5.49	-212.0	3.85		
09:06	8.35	5.00	0.07	0.00	23.81	256.0	5.51	-219.0	3.87		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/19/2003	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:09	Temp (*C):	23.78	CO2:	271.00	Sulfide:	0.00
Sample End Time:	10:16	SEC (uS/cm):	258.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	5.51	Ferrous Iron:	3.00		
Duplicate:	☐	ORP (mV):	-220.00	H2S:	0.00		
		Turb (NTU):	3.40	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Alkalinity, fe/mn, cations/anions, doc, biogenic gasses"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-03B:6/19/03		
Notes:		

Well Information

Well ID: **OLD-OU2-03B**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 27.4-32.4
TOC Elevation (ft msl): 89.16	Northing: 1486787.02	Easting: 547450.39
Static Depth to Water (ft): 6.19	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 28.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:05	Purge End: 11:54	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
10:33	6.49	0.40	0.00	1.77	23.68	429.0	5.87	-144.0	6.74	turbid	none
10:38	6.50	0.80	0.10	1.20	23.46	436.0	5.85	-170.0	5.89		
10:39	6.50	1.10	0.00	0.93	23.37	440.0	5.84	-159.0	6.11		
10:44	6.50	1.50	0.08	0.46	23.28	449.0	5.85	-159.0	1.28		
10:50	6.49	2.00	0.10	0.00	23.36	452.0	5.83	-111.0	1.67		
10:54	6.49	2.30	0.07	0.00	23.42	452.0	5.83	-144.0	5.40		
10:59	6.49	2.70	0.00	0.00	23.45	450.0	5.83	-154.0	15.80		
11:02	6.49	3.00	0.10	0.00	23.45	449.0	5.83	-155.0	15.40		

Sampling Data

Sample Information

Sample Date:	6/19/2003
Sample Start Time:	11:05
Sample End Time:	11:55
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	23.47
SEC (uS/cm):	448.00
pH:	5.83
ORP (mV):	-143.00
Turb (NTU):	15.20

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	273.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	3.00		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-18B:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-18B**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 28.6-33.6
TOC Elevation (ft msl): 89.89	Northing: 1484079.02	Easting: 545737.68
Static Depth to Water (ft): 7.60	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 30.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 08:19	Purge End: 09:42	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
07:46	9.25	0.50	0.00	0.61	24.45	106.0	4.60	-98.0	2.00	clear	sulfuric
07:49	9.45	0.80	0.00	0.34	24.23	103.0	4.63	-109.0	1.16		
07:52	9.30	1.10	0.00	0.60	24.29	104.0	4.66	-116.0	0.89		
07:56	9.21	1.40	0.00	1.59	24.24	102.0	4.68	-122.0	2.36		
08:00	9.30	1.70	0.00	2.56	24.26	103.0	4.70	-126.0	1.33		
08:04	9.30	2.00	0.00	3.00	24.25	103.0	4.68	-129.0	1.33		
08:07	9.30	2.30	0.00	3.45	24.25	103.0	4.69	-131.0	1.51		
08:10	9.25	2.60	0.00	3.73	24.23	102.0	4.69	-134.0	1.09		
08:14	9.25	2.90	0.10	4.06	24.27	102.0	4.69	-136.0	0.67		
08:18	9.25	3.20	0.10	4.35	24.32	102.0	4.69	-139.0	0.75		
08:21	0.00	3.50	0.10	4.56	24.28	103.0	4.68	-141.0	0.66		
08:26	9.30	3.80	0.00	4.80	24.24	102.0	4.68	-143.0	0.83		
08:29	0.00	4.10	0.10	4.90	24.24	102.0	4.68	-144.0	0.68		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	4.99	DO:	0.00	Sulfate:	0.00
Sample Start Time:	08:33	Temp (*C):	24.26	CO2:	228.00	Sulfide:	1.25
Sample End Time:	09:25	SEC (uS/cm):	103.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	4.68	Ferrous Iron:	1.80		
Duplicate:	☐	ORP (mV):	-145.00	H2S:	2.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: "Cloudy, Hot"
Sampling ID: 07-71009/2:OLD-OU2-21A:6/21/03		
Notes: "PH Meter inop"		

Well Information

Well ID: **OLD-OU2-21A**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 6.8-16.8
TOC Elevation (ft msl): 93.79	Northing: 1485030.95	Easting: 544571.7
Static Depth to Water (ft): 8.34	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 14.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 13:46	Purge End: 15:10	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
13:51	8.62	0.30	0.00	4.23	24.24	69.0	0.00	11.0	19.00	clear	sulfuric
13:54	8.68	0.60	0.00	2.16	24.24	67.0	0.00	76.0	10.70		
14:00	8.68	1.00	0.06	1.49	24.20	65.0	0.00	55.0	5.36		
14:03	8.68	1.30	0.15	1.47	24.17	67.0	0.00	40.0	4.44		
14:08	8.67	1.60	0.00	0.57	24.11	67.0	0.00	25.0	3.66		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	14:11
Sample End Time:	15:02
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.62
Temp (*C):	24.12
SEC (uS/cm):	67.00
pH:	0.00
ORP (mV):	22.00
Turb (NTU):	2.64

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	56.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.20		
H2S:	0.10		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: "Rain, Hot"
Sampling ID: 07-71009/2:OLD-OU2-21B:6/21/03		
Notes: Ph meter inop		

Well Information

Well ID: **OLD-OU2-21B**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 27.5-32.5
TOC Elevation (ft msl): 93.93	Northing: 1485032.38	Easting: 544564.79
Static Depth to Water (ft): 8.39	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 15:15	Purge End: 16:32	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
15:19	9.55	0.30	0.00	0.82	23.08	146.0	0.00	-100.0	19.00	clear	sulfuric
15:23	9.60	0.70	0.10	0.20	23.13	148.0	0.00	-108.0	17.60		
15:28	9.60	1.00	0.06	0.00	23.08	145.0	0.00	-111.0	23.60		
15:31	9.62	1.40	0.20	0.00	23.16	141.0	0.00	-110.0	26.50		
15:35	9.63	1.70	0.00	0.00	23.16	138.0	0.00	-111.0	25.00		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	15:34
Sample End Time:	16:30
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	23.13
SEC (uS/cm):	136.00
pH:	0.00
ORP (mV):	-110.00
Turb (NTU):	21.90

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	88.00	Sulfide:	6.25
Alkalinity:	0.00		
Ferrous Iron:	2.00		
H2S:	0.70		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-27B:6/20/03		
Notes:		

Well Information

Well ID: **OLD-OU2-27B**	Sampling Date: **6/20/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 27-32
TOC Elevation (ft msl): 95.31	Northing: 1485044.9	Easting: 545117.4
Static Depth to Water (ft): 11.45	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Nomad Submersible	Tubing Material: PPE		Pump Set at (ft): 28.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 10:50	Purge End: 16:04	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
09:01	11.75	0.20	0.00	1.51	25.24	274.0	4.39	-96.0	2.69	clear	sulfuric
09:04	11.90	0.40	0.00	1.26	25.20	272.0	4.36	-105.0	1.88		
09:08	11.90	0.70	0.00	2.81	25.12	270.0	4.34	-111.0	2.05		
09:15	11.90	1.00	0.00	3.69	25.08	264.0	4.33	-121.0	3.46		
09:20	11.72	1.30	0.00	4.74	25.18	263.0	4.33	-125.0	2.08		
09:26	11.95	1.60	0.00	5.33	25.12	259.0	4.32	-129.0	2.77		
09:30	11.95	2.00	0.10	5.56	25.03	259.0	4.32	-132.0	2.73		
09:35	12.03	2.20	0.00	5.76	24.92	255.0	4.31	-134.0	1.76		
09:37	12.03	2.40	0.10	5.85	24.91	255.0	4.32	-136.0	1.36		
09:40	12.03	2.70	0.10	5.99	24.89	255.0	4.33	-138.0	1.05		
09:43	12.00	1.90	-0.40	6.02	24.92	254.0	4.33	-139.0	0.90		
09:46	12.00	2.10	0.10	6.05	24.89	252.0	4.32	-140.0	1.08		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/20/2003	DO (mg/L):	6.09	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:53	Temp (*C):	24.87	CO2:	453.00	Sulfide:	10.00
Sample End Time:	11:08	SEC (uS/cm):	250.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	4.32	Ferrous Iron:	2.40		
Duplicate:	☐	ORP (mV):	-142.00	H2S:	5.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-27A:6/20/03		
Notes:		

Well Information

Well ID: **OLD-OU2-27A**	Sampling Date: **6/20/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 6-16
TOC Elevation (ft msl): 95.31	Northing: 1485041.7	Easting: 545119.4
Static Depth to Water (ft): 11.15	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 15.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:20	Purge End: 16:04	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
11:48	11.40	0.50	0.00	0.60	25.40	375.0	5.11	-58.0	5.46	yellow	sulfuric
11:53	11.43	1.00	0.10	2.13	25.38	356.0	5.05	-76.0	8.83		
11:58	11.43	1.50	0.00	3.21	25.39	357.0	5.05	-83.0	10.10		
12:03	11.43	2.00	0.00	3.82	25.36	359.0	5.06	-89.0	9.15		
12:09	11.43	2.50	0.00	4.17	25.36	359.0	5.06	-92.0	7.57		
12:14	11.43	3.00	0.10	4.35	25.35	361.0	5.07	-96.0	5.64		
12:19	11.45	3.50	0.12	4.43	25.33	365.0	5.07	-99.0	4.48		
12:23	11.45	4.00	0.12	4.49	25.34	364.0	5.06	-100.0	3.67		
12:30	11.45	4.50	0.08	4.52	25.31	363.0	5.07	-103.0	2.86		
12:34	11.46	5.00	0.12	4.54	25.32	359.0	5.07	-104.0	2.88		

Sampling Data

Sample Information

Sample Date:	6/20/2003
Sample Start Time:	00:36
Sample End Time:	00:00
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	4.55
Temp (*C):	25.32
SEC (uS/cm):	358.00
pH:	5.06
ORP (mV):	-104.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	109.00	Sulfide:	1.25
Alkalinity:	0.00		
Ferrous Iron:	2.40		
H2S:	5.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Nitrate/Nitrite, Orthophosphate, Sulfide, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Robbie Nicely	Technician 2: Norm Barnes	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-29A:6/19/03		
Notes:		

Well Information

Well ID: **OLD-OU2-29A**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 5-15
TOC Elevation (ft msl): 86.99	Northing: 1486764.51	Easting: 546716.8368
Static Depth to Water (ft): 1.77	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 10.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 13:23	Purge End: 16:05	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
13:21	1.95	0.30	0.00	3.06	24.88	293.0	5.53	-32.0	221.00	milky	sulfuric
13:25	1.94	0.70	0.13	1.83	24.89	304.0	5.49	-89.0	384.00		
13:28	1.94	1.00	0.10	1.30	24.84	307.0	5.47	-107.0	208.00		
13:31	1.92	1.30	0.10	1.00	24.88	310.0	5.47	-115.0	119.00		
13:35	1.92	1.60	0.10	0.05	24.90	316.0	5.44	-116.0	75.70		
13:41	1.92	2.00	0.08	0.01	24.92	326.0	5.43	-100.0	45.80		
13:45	1.92	2.30	0.07	0.00	24.90	329.0	5.42	-97.0	33.00		
13:49	1.92	2.60	0.07	0.00	24.84	338.0	5.41	-96.0	25.70		
13:53	1.92	1.90	-0.17	0.00	24.87	340.0	5.40	-98.0	22.10		
13:57	1.92	3.20	0.43	0.00	24.86	341.0	5.39	-97.0	19.10		
14:01	1.91	3.50	0.07	0.00	24.93	337.0	5.40	-98.0	16.80		
14:06	1.91	3.80	0.07	0.00	24.96	346.0	5.39	-101.0	12.60		
14:10	1.91	4.00	0.05	0.00	24.90	344.0	5.39	-98.0	10.60		
14:15	1.90	4.50	0.10	0.00	24.95	343.0	5.38	-95.0	9.75		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/19/2003	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	14:20	Temp (*C):	24.94	CO2:	440.00	Sulfide:	0.75
Sample End Time:	15:10	SEC (uS/cm):	341.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	5.39	Ferrous Iron:	5.00		
Duplicate:	☐	ORP (mV):	-95.00	H2S:	0.00		
		Turb (NTU):	9.99	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Alkalinity, Biogenic Gases, Fe/Mn, Cations/Anions, DOC"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Robbie Nicely	Technician 2: Norm Barnes	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-29B:6/19/03		
Notes:		

Well Information

Well ID: **OLD-OU2-29B**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 25-30
TOC Elevation (ft msl): 86.79	Northing: 1486764.82	Easting: 546714.0729
Static Depth to Water (ft): 1.41	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 23.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 15:23	Purge End: 16:05	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
15:31	4.19	0.30	0.00	2.07	24.03	121.0	5.63	-99.0	186.00	milky	sulfuric
15:35	4.24	0.60	0.00	0.85	23.95	121.0	5.64	-77.0	151.00		
15:40	5.30	0.90	0.00	0.24	23.87	119.0	5.64	-86.0	241.00		
15:44	4.30	1.20	0.07	0.08	23.77	118.0	5.64	-104.0	208.00		
15:51	4.32	1.50	0.04	0.00	23.78	117.0	5.64	-106.0	141.00		
15:54	4.24	1.80	0.10	0.00	27.73	117.0	5.64	-106.0	94.10		
15:59	4.39	2.10	0.07	0.00	23.68	117.0	5.64	-104.0	61.20		
16:03	4.38	2.40	0.10	0.00	23.65	116.0	5.64	-127.0	44.50		
16:08	4.38	2.70	0.06	0.00	23.62	116.0	5.63	-151.0	31.90		
16:12	4.32	3.00	0.00	0.00	23.53	116.0	5.63	-140.0	24.20		
16:17	4.38	3.30	0.07	0.00	23.52	115.0	5.63	-135.0	17.50		
16:21	4.38	3.60	0.07	0.00	23.50	115.0	5.63	-127.0	13.30		
16:28	4.38	4.00	0.06	0.00	23.52	115.0	5.62	-124.0	10.60		
16:34	4.35	4.50	0.08	0.00	23.51	114.0	5.62	-122.0	8.77		
16:42	4.29	5.00	0.07	0.00	23.51	114.0	5.62	-130.0	6.84		
16:50	4.24	5.50	0.07	0.00	23.49	114.0	5.61	-122.0	5.95		

Sampling Data

Sample Information

Sample Date:	6/19/2003
Sample Start Time:	16:55
Sample End Time:	17:45
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	23.47
SEC (uS/cm):	114.00
pH:	5.61
ORP (mV):	-121.00
Turb (NTU):	5.32

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	124.00	Sulfide:	7.00
Alkalinity:	0.00		
Ferrous Iron:	2.80		
H2S:	1.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, Fe/Mn, Cations/Anions, DOC"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-30A:6/19/03		
Notes: Sulfate is actually total sulfide.		

Well Information

Well ID: **OLD-OU2-30A**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 5-15
TOC Elevation (ft msl): 88.68	Northing: 1486812.9	Easting: 547312.7261
Static Depth to Water (ft): 3.48	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 8.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 12:57	Purge End: 16:06	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
13:21	4.31	0.10	0.00	2.12	25.90	499.0	5.58	34.0	72.50	turbid	none
13:24	4.41	0.20	0.00	1.66	25.94	551.0	5.50	30.0	87.60		
13:28	4.50	0.30	0.00	2.33	25.96	585.0	5.47	28.0	89.00		
13:31	4.60	0.40	0.00	3.93	25.96	597.0	5.47	28.0	88.80		
13:39	4.87	0.60	0.02	6.16	25.90	600.0	5.44	29.0	4.87		
13:43	0.00	0.70	0.00	6.48	25.87	607.0	5.45	25.0	82.90		
13:47	5.20	0.80	0.02	6.66	25.87	609.0	5.46	25.0	82.20		
14:10	6.26	1.40	0.00	5.22	25.71	571.0	5.38	16.0	84.20		
14:19	6.51	1.60	0.00	3.74	25.68	575.0	5.35	18.0	75.70		
14:22	6.51	1.70	0.00	2.16	25.65	566.0	5.34	17.0	78.10		
14:29	6.85	1.90	0.00	0.90	25.63	579.0	5.33	14.0	81.70		
14:32	7.00	2.00	0.03	0.81	25.62	576.0	5.33	15.0	84.70		
14:36	7.12	2.10	0.03	0.77	25.60	578.0	5.32	14.0	84.70		

Sampling Data

Sample Information

Sample Date:	6/19/2003
Sample Start Time:	14:38
Sample End Time:	15:30
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.73
Temp (*C):	25.60
SEC (uS/cm):	579.00
pH:	5.32
ORP (mV):	14.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	317.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	1.80		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: "Cloudy, Rain"
Sampling ID: 07-71009/2:OLD-OU2-30B:6/19/03		
Notes: Problems encountered stabilizing Do. Would not stabilize. Believed due to equipment malfunction.		

Well Information

Well ID: **OLD-OU2-30B**	Sampling Date: **6/19/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 25-30
TOC Elevation (ft msl): 88.31	Northing: 1486812.27	Easting: 547314.5095
Static Depth to Water (ft): 4.75	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 16:13	Purge End: 15:58	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
15:40	5.02	0.20	0.00	4.44	24.60	962.0	6.11	-126.0	3.18	clear	
15:49	0.00	0.60	0.00	8.96	24.41	957.0	6.06	-116.0	3.57		
16:09	0.00	1.70	0.00	0.00	24.10	774.0	5.77	-109.0	2.72		
16:12	5.15	1.90	0.06	0.00	24.10	941.0	5.81	-108.0	3.02		
16:14	5.15	2.00	0.05	0.00	24.11	930.0	5.81	-108.0	2.87		

Sampling Data

Sample Information

Sample Date:	6/19/2003
Sample Start Time:	16:17
Sample End Time:	17:15
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.00
Temp (*C):	24.12
SEC (uS/cm):	907.00
pH:	5.80
ORP (mV):	-108.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	355.00	Sulfide:	5.31
Alkalinity:	0.00		
Ferrous Iron:	2.20		
H2S:	1.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2: Frank Rodriguez	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-31A:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-31A**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 5-15
TOC Elevation (ft msl): 93.81	Northing: 1484979.37	Easting: 545706.9029
Static Depth to Water (ft): 9.61	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 14.00
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 10:42	Purge End: 12:15	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
11:06	0.00	0.30	0.00	1.20	27.77	38.0	4.27	163.0	28.60	turbid	sulfuric
11:11	0.00	0.70	0.00	0.81	27.86	38.0	4.29	155.0	34.20		
11:15	12.70	0.90	0.06	0.63	27.58	38.0	4.29	153.0	16.20		
11:18	12.90	1.20	0.10	0.50	27.60	40.0	4.30	155.0	16.10		
11:21	13.00	1.40	0.10	0.48	27.51	38.0	4.30	157.0	17.80		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	11:23
Sample End Time:	12:23
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.42
Temp (*C):	27.83
SEC (uS/cm):	38.00
pH:	4.31
ORP (mV):	159.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	46.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.80		
H2S:	0.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Metals, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Karen Baer	Technician 2: Frank Rodriguez	Weather: Rain
Sampling ID: 07-71009/2:OLD-OU2-31B:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-31B**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 25-30
TOC Elevation (ft msl): 93.53	Northing: 1484983.272	Easting: 545706.9982
Static Depth to Water (ft): 10.35	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 10.35
pH Meter: Horiba U-22	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 14:17	Purge End: 14:17	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
13:28	10.60	0.30	0.00	2.92	25.04	204.0	4.62	-71.0	2.33	clear	sulfuric
13:31	10.60	0.60	0.15	2.40	25.06	203.0	4.61	-79.0	0.76		
13:34	10.60	0.80	0.10	2.25	25.05	202.0	4.61	-84.0	0.74		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	13:37
Sample End Time:	14:35
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	2.87
Temp (*C):	25.03
SEC (uS/cm):	202.00
pH:	4.60
ORP (mV):	-87.00
Turb (NTU):	0.00

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	308.00	Sulfide:	2.50
Alkalinity:	0.00		
Ferrous Iron:	2.50		
H2S:	5.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Metals, Nitrate/Nitrite, Orthophosphate, Dissolved iron, Alkalinity, Chloride, Biogenic Gases"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-32A:6/20/03		
Notes:		

Well Information

Well ID: **OLD-OU2-32A**	Sampling Date: **6/20/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 5-15
TOC Elevation (ft msl): 93.94	Northing: 1484290.752	Easting: 545200.7566
Static Depth to Water (ft): 10.37	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 16.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 08:37	Purge End: 16:06	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
08:51	11.32	0.30	0.00	7.47	24.70	44.0	4.90	114.0	316.00	brown	none
08:54	11.65	0.60	0.15	4.31	24.62	35.0	4.90	84.0	362.00		
08:59	11.98	0.90	0.07	2.81	24.48	31.0	4.92	60.0	392.00		
09:03	12.26	1.20	0.10	2.29	24.35	30.0	4.93	43.0	377.00		
09:08	12.51	1.50	0.07	1.83	24.26	29.0	4.93	32.0	328.00		
09:12	12.69	1.80	0.07	1.61	24.17	28.0	4.93	28.0	294.00		
09:17	12.79	2.10	0.07	1.28	24.12	28.0	4.88	20.0	238.00		
09:20	12.87	2.40	0.10	1.05	24.09	29.0	4.87	7.0	214.00		
09:25	12.94	2.70	0.00	0.77	24.09	29.0	4.88	8.0	197.00		
09:29	12.99	3.00	0.07	0.73	24.03	29.0	4.87	6.0	176.00		
09:33	13.01	3.30	0.00	1.35	23.97	26.0	4.87	5.0	161.00		
09:39	13.03	3.60	0.06	1.28	23.99	27.0	4.86	2.0	140.00		
09:43	13.02	3.90	0.07	1.18	23.98	27.0	4.83	-2.0	127.00		
09:49	13.06	4.30	0.06	0.97	24.00	30.0	4.86	-3.0	122.00		
09:54	13.09	4.60	0.07	0.94	24.01	30.0	4.84	-5.0	127.00		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/20/2003	DO (mg/L):	0.90	DO:	0.00	Sulfate:	0.00
Sample Start Time:	10:07	Temp (*C):	23.96	CO2:	223.00	Sulfide:	0.10
Sample End Time:	11:19	SEC (uS/cm):	30.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	4.85	Ferrous Iron:	0.20		
Duplicate:	☐	ORP (mV):	-7.00	H2S:	0.00		
		Turb (NTU):	129.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-32B:6/20/03		
Notes:		

Well Information

Well ID: **OLD-OU2-32B**	Sampling Date: **6/20/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 25-30
TOC Elevation (ft msl): 94.06	Northing: 1484291.008	Easting: 545196.3172
Static Depth to Water (ft): 10.49	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 25.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:30	Purge End: 16:06	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
11:38	10.99	0.30	0.00	3.32	23.94	62.0	5.33	-61.0	26.40	milky	sulfuric
11:40	10.99	0.60	0.00	2.03	23.93	62.0	5.33	-70.0	30.90		
11:44	11.00	0.90	0.07	1.25	23.91	62.0	5.33	-77.0	11.80		
11:50	11.00	1.40	0.10	0.55	23.90	62.0	5.33	-85.0	5.93		
11:54	11.00	1.70	0.07	0.40	23.87	62.0	5.33	-87.0	3.97		
11:57	11.00	2.00	0.10	0.00	23.87	62.0	5.30	-89.0	3.87		
12:01	11.00	2.30	0.10	0.00	23.84	62.0	5.30	-92.0	4.44		
12:04	11.00	2.60	0.10	0.00	23.84	62.0	5.30	-93.0	4.73		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/20/2003	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	00:10	Temp (*C):	23.83	CO2:	150.00	Sulfide:	3.00
Sample End Time:	13:10	SEC (uS/cm):	62.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	5.30	Ferrous Iron:	2.00		
Duplicate:	☐	ORP (mV):	-95.00	H2S:	1.00		
		Turb (NTU):	4.78	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: "Cloudy, Hot"
Sampling ID: 07-71009/2:OLD-OU2-33B:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-33B**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 25-30
TOC Elevation (ft msl): 93.42	Northing: 1483941.452	Easting: 545585.3407
Static Depth to Water (ft): 11.02	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 33.00
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 07:55	Purge End: 09:46	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
07:59	12.06	0.30	0.00	1.93	22.86	147.0	4.98	-72.0	627.00	milky	sulfuric
08:01	12.05	0.60	0.00	0.74	22.85	141.0	4.98	-85.0	200.00		
08:05	12.02	1.00	0.13	0.25	22.84	140.0	4.98	-94.0	55.70		
08:09	11.98	1.40	0.10	0.00	22.87	136.0	4.97	-103.0	24.30		
08:13	12.04	1.70	0.07	0.00	22.87	134.0	4.95	-108.0	14.10		
08:17	12.02	2.00	0.10	0.00	22.92	133.0	4.95	-111.0	10.10		
08:20	12.02	2.40	0.13	0.00	22.90	132.0	4.94	-115.0	6.67		
08:24	11.98	2.70	0.10	0.00	22.95	132.0	4.95	-118.0	7.70		
08:26	11.99	3.00	0.00	0.00	22.93	132.0	4.95	-119.0	4.79		
08:30	11.96	3.30	0.10	0.00	23.06	131.0	4.96	-119.0	3.67		
08:33	11.96	3.60	0.10	0.00	23.11	131.0	4.96	-118.0	3.22		
08:38	12.00	4.00	0.00	0.00	23.03	131.0	4.97	-122.0	2.57		
08:42	11.97	4.40	0.13	0.00	23.02	130.0	4.96	-125.0	2.53		

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	0.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	08:45	Temp (*C):	23.05	CO2:	408.00	Sulfide:	11.25
Sample End Time:	09:46	SEC (uS/cm):	130.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	4.96	Ferrous Iron:	2.60		
Duplicate:	☐	ORP (mV):	-126.00	H2S:	5.00		
		Turb (NTU):	2.10	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Sunny
Sampling ID: 07-71009/2:OLD-OU2-33A:6/21/03		
Notes: "PH Meter Inop after first reading, would not cal."		

Well Information

Well ID: **OLD-OU2-33A**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 5-15
TOC Elevation (ft msl): 93.70	Northing: 1483945.623	Easting: 545585.7454
Static Depth to Water (ft): 11.11	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 14.50
pH Meter: Extech	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 09:54	Purge End: 11:39	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
10:04	13.39	0.30	0.00	1.81	25.20	79.0	6.27	-6.0	577.00	brown	sulfuric
10:11	13.93	0.60	0.00	1.40	24.62	102.0	0.00	-16.0	968.00		
10:19	13.53	0.90	0.00	0.35	24.99	78.0	0.00	-14.0	326.00		
10:28	13.24	1.20	0.00	0.31	25.06	78.0	0.00	-15.0	146.00		
10:32	13.34	1.40	0.05	0.23	24.97	78.0	0.00	-17.0	83.40		
10:39	12.90	2.50	0.18	0.25	25.64	78.0	0.00	-13.0	61.20		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	10:43
Sample End Time:	11:37
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.24
Temp (*C):	25.51
SEC (uS/cm):	81.00
pH:	0.00
ORP (mV):	-13.00
Turb (NTU):	48.80

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	526.00	Sulfide:	0.00
Alkalinity:	0.00		
Ferrous Iron:	0.60		
H2S:	0.10		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: Norm Barnes	Technician 2: Robbie Nicely	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-DP02A:6/21/03		
Notes: EXTECH PH meter inop.		

Well Information

Well ID: **OLD-OU2-DP02A**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft): 3.5-7.5
TOC Elevation (ft msl): 82.53	Northing: 1484002.3	Easting: 545783.6
Static Depth to Water (ft): 2.01	Well Capacity (gal): 0.00	

Purge Setup

Purge Method: Peristaltic	Tubing Material: PPE		Pump Set at (ft): 6.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter: Hach 2100P
Purge Start: 11:59	Purge End: 13:40	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor
12:06	4.60	0.30	0.00	1.94	27.06	98.0	0.00	-81.0	5.99	clear	sulfuric
12:12	4.90	0.60	0.06	1.13	27.00	100.0	0.00	-85.0	3.53		
12:17	4.78	0.80	0.00	0.46	26.98	99.0	0.00	-94.0	13.50		

Sampling Data

Sample Information

Sample Date:	6/21/2003
Sample Start Time:	00:25
Sample End Time:	13:10
Field Filtered:	☐
Duplicate:	☐

Final Purge Readings

DO (mg/L):	0.29
Temp (*C):	26.99
SEC (uS/cm):	99.00
pH:	0.00
ORP (mV):	-97.00
Turb (NTU):	11.60

Field Test Kit Readings (mg/L)

DO:	0.00	Sulfate:	0.00
CO2:	268.00	Sulfide:	7.50
Alkalinity:	0.00		
Ferrous Iron:	2.00		
H2S:	5.00		
Manganese:	0.00		

Lab Analyses/Methods:

"VOCs, Biogenic Gases, fe/mn, cations/anions, doc"

Technician Initials

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2: Karen Baer	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW30:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW30**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter:
Purge Start: 00:00	Purge End: 16:18	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	8.23	DO:	0.00	Sulfate:	0.00
Sample Start Time:	15:52	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	15:57	SEC (uS/cm):	161.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2:	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW34:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW34**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter:	DO Meter:	Turb. Meter:
Purge Start: 09:00	Purge End: 09:13	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	4.00	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:06	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	09:06	SEC (uS/cm):	113.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Dissolved iron, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2:	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW33:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW33**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter:	DO Meter:	Turb. Meter:
Purge Start: 09:40	Purge End: 09:48	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	5.20	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:39	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	09:39	SEC (uS/cm):	133.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2:	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW35:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW35**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter:	DO Meter:	Turb. Meter:
Purge Start: 09:58	Purge End: 10:06	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	6.55	DO:	0.00	Sulfate:	0.00
Sample Start Time:	09:58	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	10:04	SEC (uS/cm):	114.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2:	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW36:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW36**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter:	DO Meter:	Turb. Meter:
Purge Start: 10:21	Purge End: 10:27	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	6.47	DO:	0.00	Sulfate:	0.00
Sample Start Time:	10:24	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	10:26	SEC (uS/cm):	245.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2: Karen Baer	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW29:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW29**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter: Horiba U-22	Cond. Meter:	DO Meter: Horiba U-22	Turb. Meter:
Purge Start: 15:34	Purge End: 15:43	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	7.91	DO:	0.00	Sulfate:	0.00
Sample Start Time:	15:35	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	15:43	SEC (uS/cm):	174.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2: Karen Baer	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW32:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW32**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter:
Purge Start: 16:43	Purge End: 16:43	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	4.20	DO:	0.00	Sulfate:	0.00
Sample Start Time:	16:19	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	16:25	SEC (uS/cm):	180.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	

GROUNDWATER SAMPLING LOG

TERRAINE, inc.
ENVIRONMENTAL SERVICES

Project Information

Project No: 07-71009/2	Project Name: NTC/OU2	
Technician 1: James Young	Technician 2: Karen Baer	Weather: Cloudy
Sampling ID: 07-71009/2:OLD-OU2-SW31:6/21/03		
Notes:		

Well Information

Well ID: **OLD-OU2-SW31**	Sampling Date: **6/21/2003**	
Well Diam (in): 0.0	Total Well Depth (ft): 0.00	Well Screen Interval (ft):
TOC Elevation (ft msl): 0.00	Northing: 0	Easting: 0
Static Depth to Water (ft): 0.00	Well Capacity (gal): 0.00	

Purge Setup

Purge Method:	Tubing Material:		Pump Set at (ft): 0.00
pH Meter:	Cond. Meter: Horiba U-22	DO Meter: Horiba U-22	Turb. Meter:
Purge Start: 17:31	Purge End: 17:31	Total Volume Purged (gal): 0.00	

Purging Data

Time	Water Level (ft)	Vol Purged (gal)	Pump Rate (gal/min)	DO (mg/L)	Temp (°C)	SEC (µS/cm)	pH	ORP (mV)	Turbidity (NTU)	Color	Odor

Sampling Data

Sample Information		Final Purge Readings		Field Test Kit Readings (mg/L)			
Sample Date:	6/21/2003	DO (mg/L):	8.15	DO:	0.00	Sulfate:	0.00
Sample Start Time:	16:50	Temp (*C):	0.00	CO2:	0.00	Sulfide:	0.00
Sample End Time:	16:52	SEC (uS/cm):	166.00	Alkalinity:	0.00		
Field Filtered:	☐	pH:	0.00	Ferrous Iron:	0.00		
Duplicate:	☐	ORP (mV):	0.00	H2S:	0.00		
		Turb (NTU):	0.00	Manganese:	0.00		

Lab Analyses/Methods:	Technician Initials
"VOCs, Metals, Chloride"	