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QUARTERLY GROUNDWATER SAMPLING JANUARY 2000 OPERABLE UNIT 3 (OU 3) WITH TRANSMITTAL LETTER NTC ORLANDO FL
5/12/2000
TETRA TECH

TETRA TECH NUS, INC.
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08.04.03.0009
00251

0500-A064

May 12, 2000

Commanding Officer
SOUTHNAVFACENGCOM
ATTN: Ms. Barbara Nwokike, Code 1873
P.O. Box 190010
2155 Eagle Drive
North Charleston, SC 29419-9010

Subject: Operable Unit 3 Quarterly Groundwater Sampling, January 2000
McCoy Annex, NTC, Orlando

Dear Ms. Nwokike:

Enclosed are the results from the quarterly groundwater sampling conducted at OU 3 in January 2000. The results for this and previous sampling events, are summarized in the attached tables and figures. Copies of the field log sheets are included in Attachment A.

The next sampling at OU 3 was completed in April, 2000, and the results will be issued in July 2000. If you have any questions please contact me at (865) 220-4730.

Sincerely,

Steven B. McCoy, P.E.
Task Order Manager

SBM:ckf

Enclosure

c: Mr. Rick Allen, Harding Lawson Associates
Mr. David Grabka, FDEP
Mr. Wayne Hansel, SOUTHNAVFACENGCOM
Ms. Nancy Rodriguez, USEPA Region IV
Mr. Steve Tsangaris, CH2M Hill
Mr. Michael Campbell, Tetra Tech NUS
Mr. Mark Perry, Tetra Tech NUS (unbound)
Ms. Debbie Wroblewski, Tetra Tech NUS (cover letter only)
File/db

GROUNDWATER SAMPLING AT OPERABLE UNIT 3

Trip Dates: January 18 - 25, 2000

Site Name: Operable Unit 3: Study Areas 8 and 9
Main Base, Naval Training Center, Orlando, Florida

TO Manager: Steve McCoy

Field Team: Greg Sisco
Kevin Margetts
Wendy Floyd
Ray Willoughby

Prepared by: Greg Sisco and David Stair

1. PURPOSE

Quarterly groundwater sampling was conducted at Operable Unit (OU) 3 (Study Areas 8 and 9) in January 2000. The fieldwork was performed in accordance with the Work Plan for Groundwater Sampling (Tetra Tech NUS, 1999a), and the Project Operations Plan (POP) (ABB-ES, 1997).

2. ACTIVITIES

Tetra Tech NUS mobilized to the field on January 18, 2000, to perform quarterly monitoring at Study Areas (SA) 2, and 52, and OU 3. Work at OU 3 began on Jan. 19, 2000, with a site reconnaissance, a water level survey, and groundwater sampling.

Water Level Survey - Groundwater levels were measured at SA 8 on January 20 and at SA 9 on January 21. Groundwater elevations for this field event and previous events are summarized in Table 1 for SA 8 and in Table 2 for SA 9.

Sampling - Groundwater sampling was conducted on January 19-23, 2000. Fourteen wells (four 2-in wells and ten ½-in microwells) at SA 8 and 15 wells (five 2-in wells and ten ½-in microwells) at SA 9 were sampled. All wells were purged and sampled using the low-flow method described in the POP. Purging of wells consisted of removing groundwater with a peristaltic pump at a rate of approximately 100 ml/min until field parameters, which

include temperature, pH, conductivity, turbidity, dissolved oxygen, and oxidation-reduction potential, had stabilized. Water levels in the 2-inch wells were monitored every 3 to 5 minutes to maintain drawdown at less than 0.3 feet. In the 0.5-inch microwells, the small diameter of the well casing prevented simultaneous measurement of the depth to water during purging.

Of the 14 total groundwater samples from SA 8, six (OLD-08-08, -10, -11, -14, -15, -18) were analyzed for herbicides using SW 846 Method 8151A and Total Analyte List (TAL) metals using SW 846 Method 6010A; the remaining eight were analyzed for TAL metals only. Of the 15 total groundwater samples from SA 9, ten were analyzed for TAL metals, pesticides using Method 8181, and herbicides using Method 8151A; five (OLD-09-03, -04, -12, -14, -15) were analyzed for those parameters and semi-volatile organic compounds (SVOCs) using Method 8270. All samples were placed in ice-cooled coolers and shipped via overnight delivery to Quanterra Environmental Services in North Canton, OH for analysis.

3. PROBLEMS ENCOUNTERED

One well (OLD-08-18) was inadvertently sampled before turbidity stabilized, however the turbidity was less than 10 NTU. Well OLD-08-13 purged to dryness at the lowest pump setting and the sample was collected when the well had recovered.

4. RESULTS

Water Level Survey - Groundwater elevation data for SA 8 and 9 are presented in Tables 1 and 2, respectively, and the water table contours for the two sites are presented in Figures 1 and 2, respectively. Groundwater at SA 8 flows to the west toward Lake Baldwin. Groundwater at SA 9 shows divergent flow with groundwater north of the Trident Lane flowing to the northeast toward Lake Baldwin and groundwater in the eastern portion of the site flowing to the southeast. These flow directions are consistent with those reported earlier by Tetra Tech (1999b and 2000) and HLA (1999).

Data Validation – All sample analyses were subjected to data validation in accordance with the guidance document *Navy Installation Restoration Chemical Data Quality Assurance Manual* (NFESC, 1998). Qualification of the data was performed using the USEPA Contract Laboratory Program guidelines for inorganic and organic data review (USEPA, 1994a and 1994b). The data validation evaluated data completeness, holding time compliance, calibration compliance, laboratory blank contamination, surrogate spike recovery, matrix spike recovery, blank spike recovery, internal standard response, sample quantitation, and detection limits. The validation process results in qualifiers that are shown with the analyte concentrations in Tables 3, 4, and 5.

Analytical Results – The positive detections for this round of sampling are summarized in Table 3. The historical positive detections are compiled in Table 4 and a complete listing of the validated analytical data for the January 2000 sampling event is included as Table 5. Shaded cells indicate concentrations equal to or greater than Florida Groundwater Cleanup Target Levels (GCTLs) (FDEP, 1999) or established background concentrations (ABB-ES, 1995). The distributions of contaminants detected above these criteria are shown on Figures 3 and 4.

At SA 8, arsenic concentrations exceeded the screening criterion in 10 of the 14 wells sampled. The maximum arsenic concentration of 823 µg/L was measured in the sample from well OLD-08-11. Concentrations of arsenic measured in January increased from the levels measured in October 1999 in 5 wells and decreased in 7 wells. The arsenic in well OLD-08-05 decreased below the GCTL for the first time since sampling began in 1997. The exceedances at SA 8 are summarized below.

Exceedances at SA 8 – July/August, October 1999, and January 2000

Analyte	Screening Criteria (µg/L)	July/August 1999		October 1999		January 2000	
		No. of Wells	Concentration Range (µg/L)	No. of Wells*	Concentration Range (µg/L)	No. of Wells *	Concentration Range (µg/L)
Primary Exceedances:							
Antimony	6	1	12.2	5	6 – 13.8	0	-
Arsenic	50	11	99.2 – 609	11	54 – 610	10	73.4 – 823
Lead	15	1	34.8	3	28.5 – 151	2	15 – 32
MCPA	3.5	0	-	0	-	1	68
MCPP	7	4	99 J – 280 J	1	180J	4	46J – 180J
Secondary Exceedances:							
Aluminum	4067	2	4300 J – 4310 J	0	-	0	-
Iron	1227	3	1650 – 5190	3	2150 – 10500	3	1250 - 6320
Manganese	50	5	68.1 – 338	5	55.4 - 185	3	83.7 - 164

*A total of 14 monitoring wells were sampled for metals and 6 for herbicides.

At SA 9, arsenic was measured above the screening criterion in 3 of the 15 wells sampled. The maximum arsenic concentration was 225 in well OLD-09-04. This represents a continued decrease in the maximum concentrations of 650 µg/L measured in October 1999 and 1370 µg/L measured in July/August 1999. The exceedances at SA 9 are summarized below.

Exceedances at SA 9 – July/August, October 1999, and January 2000

Analyte	Screening Criteria (µg/L)	July/August 1999		October 1999		January 2000	
		No. of Wells	Concentration Range (µg/L)	No. of Wells*	Concentration Range (µg/L)	No. of Wells *	Concentration Range (µg/L)
Primary Exceedances:							
Antimony	6	1	17.7	0	-	0	-
Arsenic	50	5	141 – 1370	4	53.8 – 650	3	72.4 – 225
a-BHC	0.006	1	2.5 J	1	0.39	1	1.4
DEHP	6	0	-	0	-	1	8.9 J
2,4-dichlorophenol	0.5	1	45/30	1	4.9 J	1	11
Lead	0.2	0	-	0	-	2	15 – 32
Lindane	0.2	1	1.9 J/1.7 J	1	0.46	1	1.5
MCPA	3.5	0	-	3	33 J – 120 J	0	-
MCPP	7	3	170 J – 910 J	2	74 J - 520	2	32 J – 72 J
Secondary Exceedances:							
Aluminum	4067	1	7740 J	0	-	-	
Iron	1227	3	1290 – 6350	1	1940	3	1300 - 2220
Manganese	50	1	79.9	3	56.3 - 134	3	58 - 109

*A total of 15 monitoring wells were sampled – 10 for pesticides, herbicides, and metals; 5 for SVOC, PAH, pesticides, herbicides, and metals.

MCPA/MCPP Reporting and Method Detection Limits – Quanterra has taken steps to lower their MCPA and MCPP reporting limits to 40 µg/L beginning with the January 2000 sampling round. The reporting limits for the earlier July/August 1999 and October 1999 samples were 400 µg/L. The method detection limits (MDLs) for MCPA and MCPP, however, remain at 30 and 33 µg/L, respectively. This is higher than the GCTLs of 3.5 µg/L for MCPA and 7 µg/L for MCPP. Efforts to locate a laboratory that can achieve MDLs equal to the GCTLs were unsuccessful.

REFERENCES

ABB-ES (ABB Environmental Services, Inc.), 1995. *Background Sampling Report, Naval Training Center, Orlando, Florida.* Unit Identification Code N65928, Navy CLEAN District 1, Contract No. N62467-89-D-0317, August.

ABB-ES, 1997. *Project Operations Plan for Site Investigations and Remedial Investigations.* Naval Training Center, Orlando, Florida, Unit Identification Code N65928, Navy CLEAN District 1, Contract No. N62467-89-D-0317, August.

FDEP (Florida Department of Environmental Protection), 1999. *Development of Soil Cleanup Target Levels (SCTLs) for Chapter 62-777*, F.A.C. CEHT/TR-99-01, May 26, 1999.

HLA (Harding Lawson Associates), 1999. *Remedial Investigation and Feasibility Study, Operable Unit 3. Naval Training Center, Orlando, Florida,* Unit Identification Code N65928, Navy CLEAN District 1, Contract No. N62467-89-D-0317/136, June.

NFESC (Naval Facilities Engineering Service Center), 1998. *Navy Installation Restoration Chemical Data Quality Assurance Manual (Interim Guidance Document)*, June.

Tetra Tech NUS, Inc., 1999a. *Work Plan for Groundwater Sampling, Rev. 2.* Document No. R4707995, November 9, 1999.

Tetra Tech NUS, Inc., 1999b. *Groundwater Sampling at Operable Unit 3.* Document No. R4710991, December 6, 1999.

Tetra Tech NUS, Inc., 2000. *Groundwater Sampling at Operable Unit 3.* Document No. R4701005, February 1, 2000.

USEPA, 1994a. *USEPA Contract Laboratory Program: National Functional Guidelines for Inorganic Data Review.* EPA/540/R-94/013, Office of Solid Waste and Emergency Response, Washington, D.C., February.

USEPA, 1994b. *USEPA Contract Laboratory Program: National Functional Guidelines for Organic Data Review.* EPA/540/R-94/012, Office of Solid Waste and Emergency Response, Washington, D.C., February.

FIGURES

No.

1 Groundwater Elevation Map on January 20, 2000, Operable Unit 3 - Study Area 8

2 Groundwater Elevation Map on January 21, 2000, Operable Unit 3 - Study Area 9

3 Groundwater Exceedances, January 2000, Operable Unit 3 – Study Area 8

4 Groundwater Exceedances, January 2000, Operable Unit 3 – Study Area 9

BASE MAP: HLA, 1999

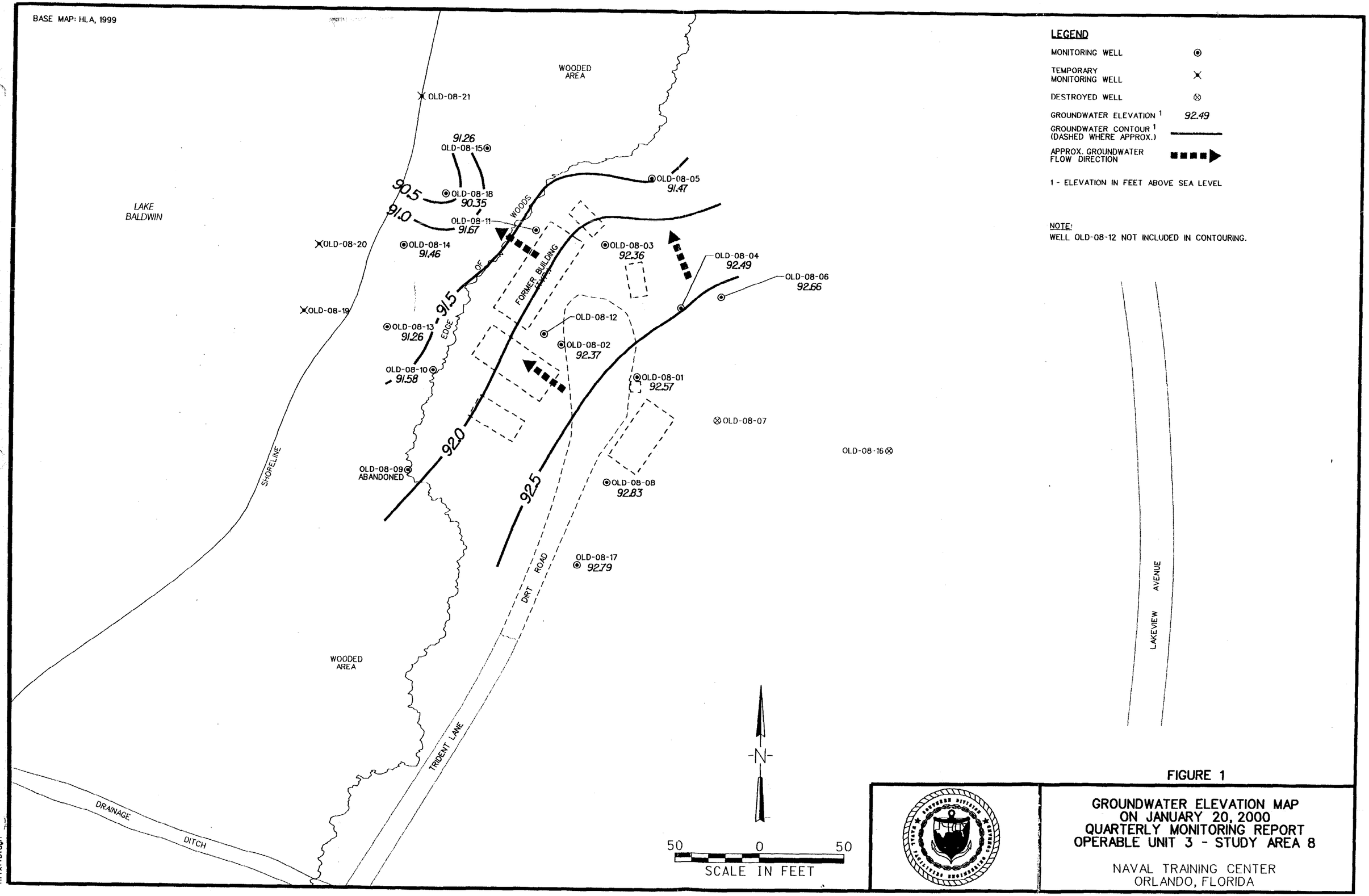


FIGURE 1

GROUNDWATER ELEVATION MAP
ON JANUARY 20, 2000
QUARTERLY MONITORING REPORT
OPERABLE UNIT 3 - STUDY AREA 8

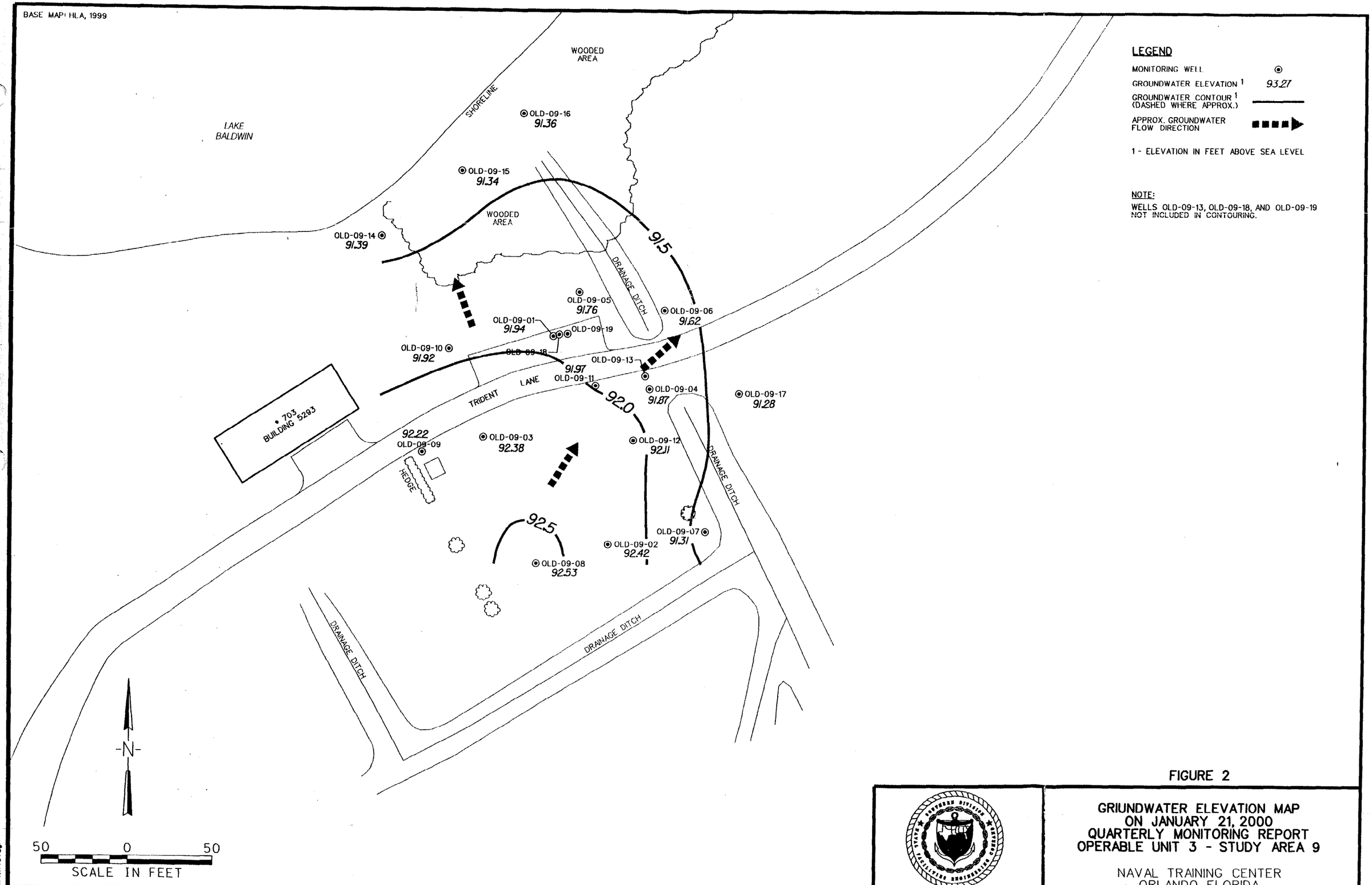
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

CAD FILE NO./DATE: 7457M059.dgn/5-12-00

00251FB12

n11x17b.dgn

BASE MAP: HLA, 1999



LEGEND

MONITORING WELL ⊙

GROUNDWATER ELEVATION [1] 93.27

GROUNDWATER CONTOUR [1] (DASHED WHERE APPROX.)

APPROX. GROUNDWATER FLOW DIRECTION

1 - ELEVATION IN FEET ABOVE SEA LEVEL

NOTE:

WELLS OLD-09-13, OLD-09-18, AND OLD-09-19 NOT INCLUDED IN CONTOURING.

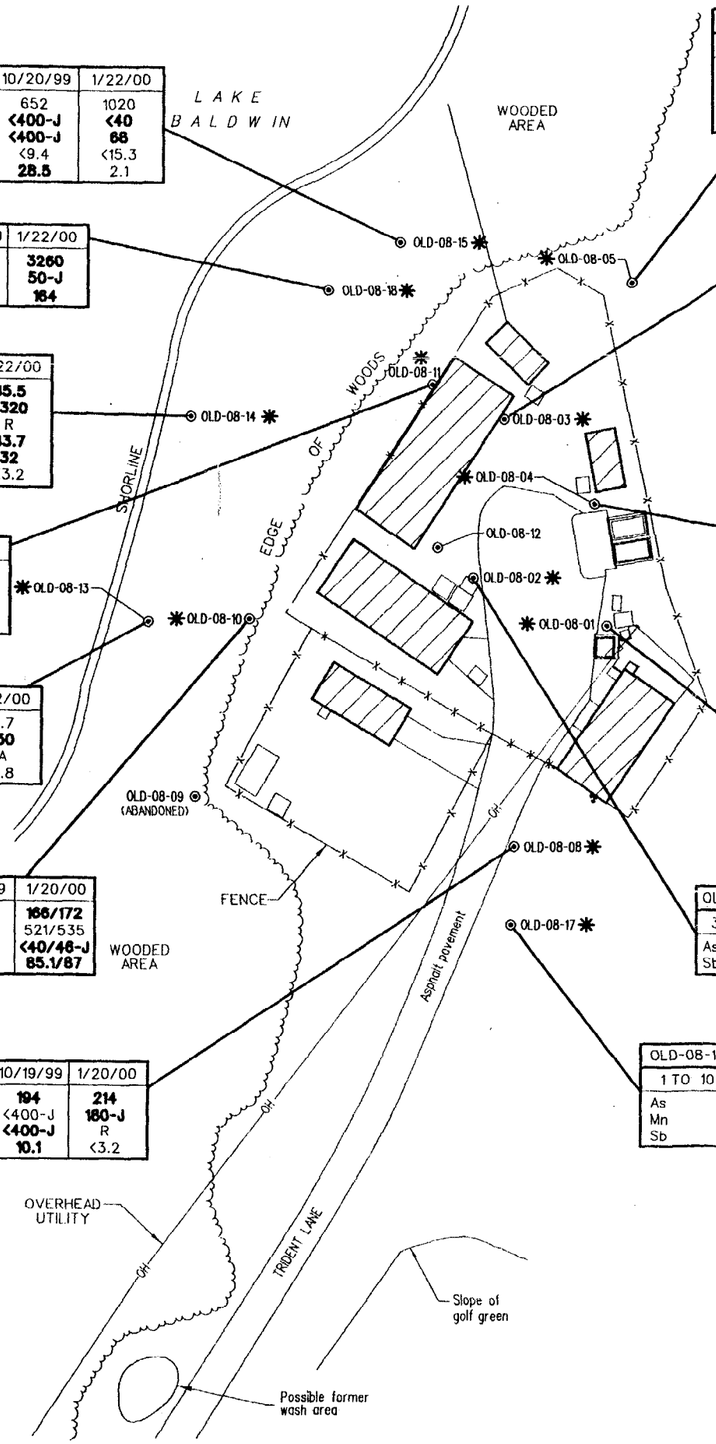
FIGURE 2

GRIUNDWATER ELEVATION MAP
ON JANUARY 21, 2000
QUARTERLY MONITORING REPORT
OPERABLE UNIT 3 - STUDY AREA 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

CAD FILE NO./DATE: 7457M058.dgn/5-12-00

n11x17b.dgn



OLD-08-15					
1 TO 7	12/5/97	3/13/99	8/1/99	10/20/99	1/22/00
Fe	498	**1960**	853/806	652	1020
MCPA	**1200-DJ**	**<50**	**<400/<400**	**<400-J**	**<40**
MCPP	**<60**	**<50**	**<400/260-J**	**<400-J**	**68**
Mn	**72.9**	**83.9**	32.6/30.1	<9.4	<15.3
Pb	2.3-J	NS	<2.8/<2.4	**28.5**	2.1

OLD-08-18					
2 TO 11	2/19/98	3/12/99	7/31/99	10/20/99	1/22/00
Fe	550	NS	**3550**	**3360**	**3260**
MCPP	NS	NS	**320-R**	**180-J**	**50-J**
Mn	<23.4	NS	**204**	**185**	**164**

OLD-08-14					
1 TO 7	12/8/97	3/15/99	7/31/99	10/20/99	1/22/00
As	7.1-J	9.5	**100**	**224**	**85.5**
Fe	**1730-J**	**7340-J**	**5190**	**10500**	**6320**
MCPP	**200-J**	**<50**	**190-J**	**<400-J**	R
Mn	**172**	**132-J**	**304**	**119**	**63.7**
Pb	3.1	**21.1**	**34.8**	**151**	**32**
Sb	<2	<3.3	**<6.8**	**11.2**	<3.2

OLD-08-11					
1 TO 10	10/23/97	3/12/99	7/30/99	10/19/99	1/20/00
As	**223**	**315-J**	**170**	**114**	**823**
Dieldrin	**0.019-J**	NA	NA	NA	NA
MCPA	<140	<50	<400-J	<400-J	**140-J**
MCPP	**660-J**	**<50**	**110-J**	**<400-J**	**<40**

OLD-08-13					
1 TO 7	12/5/97	3/15/99	7/31/99	10/21/99	1/22/00
As	**88.2**	19	24.3/22.6	30.7	20.7
Fe	447	**2470-J**	**1660/1650**	**2150**	**1250**
MCPA	**660-J**	**<100**	NA	NA	NA
Mn	**148**	**124-J**	**68.1/65.7**	**75.1**	42.8

OLD-08-10					
1 TO 10	10/23/97	3/12/99	7/30/99	10/21/99	1/20/00
As	**209**	**122-J**	**189**	**276**	**166/172**
Fe	825	**1400**	<104	120	521/535
MCPP	**900-J**	**<51**	**540-R**	**<400**	**<40/46-J**
Mn	**54.4**	**56.8**	<14.7	29.3	**85.1/87**

OLD-08-08					
1 TO 10	10/22/97	3/11/99	8/1/99	10/19/99	1/20/00
As	**122/120**	**175**	**154**	**194**	**214**
MCPA	<82/<72	<50	<400	<400-J	**160-J**
MCPP	**<110/710-J**	**<50**	**99-J**	**<400-J**	R
Sb	<2.9	<14	<3.6	**10.1**	<3.2

OLD-08-05					
1 TO 10	10/23/97	3/10/99	7/29/99	10/21/99	1/20/00
Al	<96.7/<120	126	**4310-J**	289/276	<110
As	**57.7/57.3**	**56.9**	**284**	**54/55.3**	37.9
Mn	**160/162**	**146-J**	**338**	25.2/25.5	24.8
Pb	<1.9/<1.9	<1.4	3.7	**35.7/34.1**	**15**

OLD-08-03					
3 TO 13	10/22/97	3/11/99	7/28/99	10/19/99	1/19/00
Al	<80.9	168	**4300-J**	721	<115
As	**79.9**	**260**	**234**	**610**	**248**
Fe	231	**1260**	750	201	479
MCPA	**640-J**	**<50**	NA	NA	NA
Mn	15.3	19.6	12.2	**55.4**	39.2
Sb	<2.9	<4.7	**<8.1**	**13.8**	**<7.6**

OLD-08-06					
1 TO 10	10/23/97	3/11/99	7/29/99	10/19/99	1/20/00
As	**53**	**88.5**	**138**	**71.8**	**73.4**
Fe	198	**33300**	<61.9	185	97.3
Mn	24.2	**110**	**69.6**	11.7	<3.1

OLD-08-04					
3 TO 13	10/22/97	3/11/99	7/28/99	10/19/99	1/19/00
As	**70.4**	**102/106**	**99.2**	**361**	**202**

OLD-08-07					
1 TO 10	10/23/97	3/15/99	7/28/99	10/19/99	1/23/00
As	**56.4**	47.9	NS	NS	NS

OLD-08-01					
3 TO 13	10/22/97	3/13/99	7/28/99	10/19/99	1/19/00
As	**133**	**138-J/128-J**	**163**	**229**	**150**
Fe	**1480**	<311/<451	155	<98.3	76.2
MCPP	**790-J**	**<50/<50**	NA	NA	NA
Naph	**25**	NA	NA	NA	NA
Sb	7.7-J	<5.6	<3.6	**7.4**	**<11.3**

OLD-08-02					
3 TO 13	10/22/97	3/11/99	7/28/99	10/19/99	1/19/00
As	**295**	**294**	**609**	**561**	**717**
Sb	<2.9	<3.3	<3.4	**6**	**<21.3**

OLD-08-17					
1 TO 10	2/18/98	3/11/99	7/30/99	10/19/99	1/20/00
As	**98.8**	**167**	**191**	**156**	**145**
Mn	<10.5	10.1	<6	**59.1**	<4.5
Sb	<2.5	<3.3	**12.2**	4.6	**<7.9**

LEGEND

ASTERISK INDICATES WELLS SAMPLED — ✱OLD-08-01

MONITORING WELL — ⊙

3 TO 13	10/22/97	3/13/99	7/28/99
As	**133**	**138-J/128-J**	**163**
Fe	**1480**	<311/<451	155
MCPP	**790-J**	**<50/<50**	NA
Naph	25	NA	NA

SCREEN INTERVAL TO NEAREST FOOT — SAMPLE COLLECTION DATE — DUPLICATE SAMPLE — ANALYTE — ANALYTE CONCENTRATION[1,2]

ESTIMATED CONCENTRATION	J
VALUE FROM DILUTION	D
NOT ANALYZED	NA
REJECTED	R
NOT SAMPLED	NS

1-CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
2-BOLD CONCENTRATION INDICATES EXCEEDANCE

SCREENING CRITERIA

ANALYTE	GCTL[1]	BGSV[1]
Al	200	4067
As	50	5
Dieldrin	0.005	-
Fe	300	1227
MCPA	3.5	-
MCPP	7	-
Mn	50	17
Naph	20	-
Pb	15	4
Sb	6	4.1

GCTL-GROUNDWATER CLEANUP TARGET LEVEL
BGSV-BACKGROUND SCREENING VALUE

NOTE:
DATA ARE SHOWN FOR LOCATIONS WITH PAST OR CURRENT SCREENING CRITERIA EXCEEDANCES.

-N-

50 0 50
SCALE IN FEET

FIGURE 3

GROUNDWATER EXCEEDANCES
JANUARY, 2000
QUARTERLY MONITORING REPORT
OPERABLE UNIT 3 - STUDY AREA 8

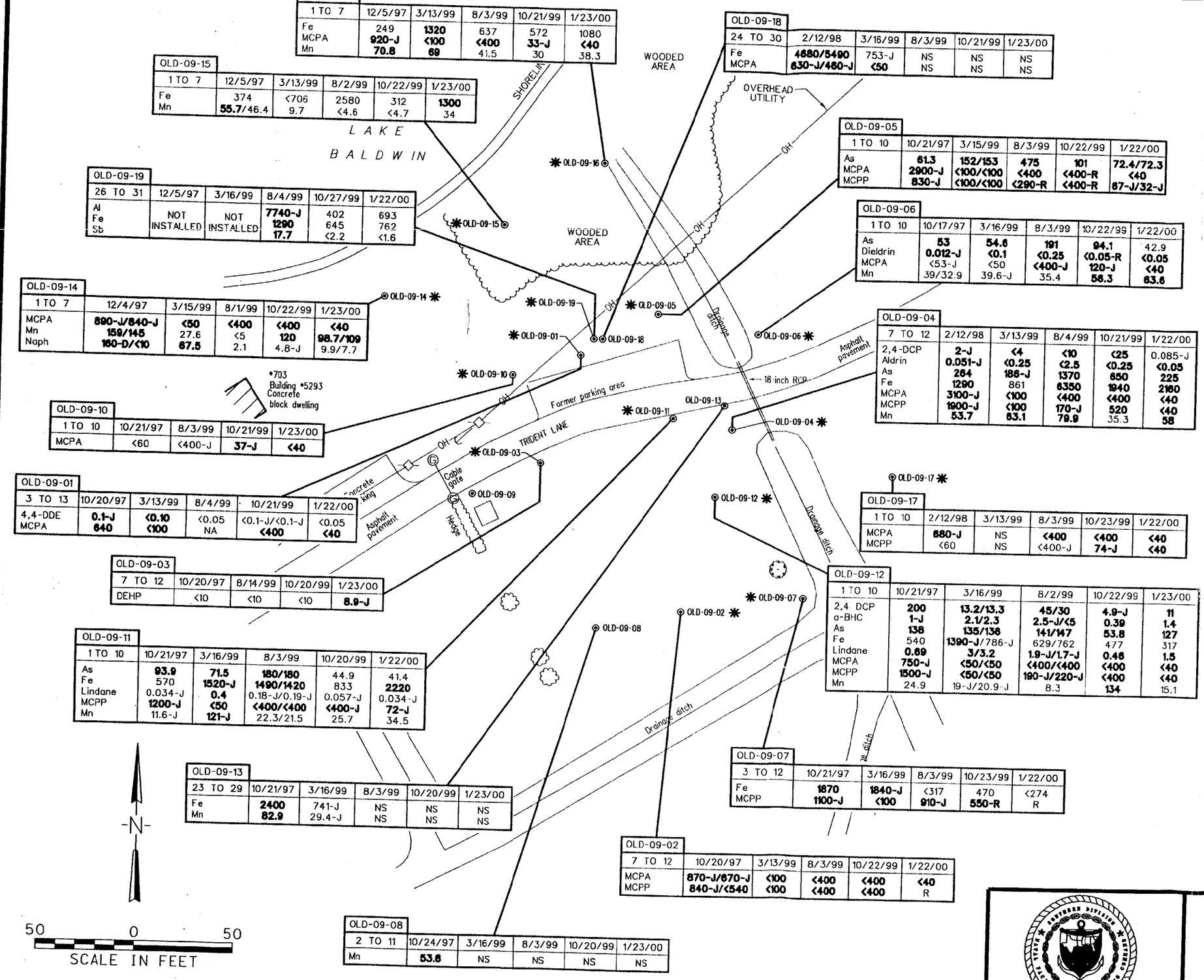
NAVAL TRAINING CENTER
ORLANDO, FLORIDA

BASE MAP: HLA, 1999

CAD FILE NO./DATE: 7457M039.dgn/5-12-00

n11x17b.dgn

BASE MAP: HLA, 1999



OLD-09-16					
1 TO 7	12/5/97	3/13/99	8/3/99	10/21/99	1/23/00
Fe	249	**1320**	637	572	1080
MCPA	**920-J**	**<100**	**<400**	**33-J**	**<40**
Mn	**70.8**	**69**	41.5	30	38.3

OLD-09-15					
1 TO 7	12/5/97	3/13/99	8/2/99	10/22/99	1/23/00
Fe	374	<706	2580	312	**1300**
Mn	**55.7**/46.4	9.7	<4.6	<4.7	34

OLD-09-19					
26 TO 31	12/5/97	3/16/99	8/4/99	10/27/99	1/22/00
Al	NOT INSTALLED	NOT INSTALLED	**7740-J**	402	693
Fe			**1290**	645	762
Sb			**17.7**	<2.2	<1.6

OLD-09-14					
1 TO 7	12/4/97	3/15/99	8/1/99	10/22/99	1/23/00
MCPA	**890-J/840-J**	**<50**	**<400**	**<400**	**<40**
Mn	**159/145**	27.6	<5	**120**	**98.7/109**
Naph	**160-D/<10**	**67.5**	2.1	4.8-J	9.9/7.7

OLD-09-10				
1 TO 10	10/21/97	8/3/99	10/21/99	1/23/00
MCPA	<60	<400-J	**37-J**	**<40**

OLD-09-01					
3 TO 13	10/20/97	3/13/99	8/4/99	10/21/99	1/22/00
4,4-DDE	**0.1-J**	**<0.10**	<0.05	<0.1-J/<0.1-J	<0.05
MCPA	**640**	**<100**	NA	**<400**	**<40**

OLD-09-03					
7 TO 12	10/20/97	8/14/99	10/20/99	1/23/00	
DEHP	<10	<10	<10	**8.9-J**	

OLD-09-11					
1 TO 10	10/21/97	3/16/99	8/3/99	10/20/99	1/22/00
As	**93.9**	**71.5**	**180/180**	44.9	41.4
Fe	570	**1520-J**	**1490/1420**	833	**2220**
Lindane	0.034-J	**0.4**	0.18-J/0.19-J	0.057-J	0.034-J
MCPP	**1200-J**	**<50**	**<400/<400**	**<400-J**	**72-J**
Mn	11.6-J	**121-J**	22.3/21.5	25.7	34.5

OLD-09-13					
23 TO 29	10/21/97	3/16/99	8/3/99	10/20/99	1/23/00
Fe	**2400**	741-J	NS	NS	NS
Mn	**82.9**	29.4-J	NS	NS	NS

OLD-09-08					
2 TO 11	10/24/97	3/16/99	8/3/99	10/20/99	1/23/00
Mn	**53.6**	NS	NS	NS	NS

OLD-09-18					
24 TO 30	2/12/98	3/16/99	8/3/99	10/21/99	1/23/00
Fe	**4680/5490**	753-J	NS	NS	NS
MCPA	**630-J/460-J**	**<50**	NS	NS	NS

OLD-09-05					
1 TO 10	10/21/97	3/15/99	8/3/99	10/22/99	1/22/00
As	**61.3**	**152/153**	**475**	**101**	**72.4/72.3**
MCPA	**2900-J**	**<100/<100**	**<400**	**<400-R**	**<40**
MCPP	**830-J**	**<100/<100**	**<290-R**	**<400-R**	**87-J/32-J**

OLD-09-06					
1 TO 10	10/17/97	3/16/99	8/3/99	10/22/99	1/22/00
As	**53**	**54.6**	**191**	**94.1**	42.9
Dieldrin	**0.012-J**	**<0.1**	**<0.25**	**<0.05-R**	**<0.05**
MCPA	<53-J	<50	**<400-J**	**120-J**	**<40**
Mn	39/32.9	39.6-J	35.4	**56.3**	**63.6**

OLD-09-04					
7 TO 12	2/12/98	3/13/99	8/4/99	10/21/99	1/22/00
2,4-DCP	**2-J**	**<4**	**<10**	**<25**	0.085-J
Aldrin	**0.051-J**	**<0.25**	**<2.5**	**<0.25**	**<0.05**
As	**264**	**186-J**	**1370**	**850**	**225**
Fe	**1290**	861	**6350**	**1940**	**2160**
MCPA	**3100-J**	**<100**	**<400**	**<400**	**<40**
MCPP	**1900-J**	**<100**	**170-J**	**520**	**<40**
Mn	**53.7**	**63.1**	**79.9**	35.3	**58**

OLD-09-17					
1 TO 10	2/12/98	3/13/99	8/3/99	10/23/99	1/22/00
MCPA	**880-J**	NS	**<400**	**<400**	**<40**
MCPP	<60	NS	<400-J	**74-J**	**<40**

OLD-09-12					
1 TO 10	10/21/97	3/16/99	8/2/99	10/22/99	1/23/00
2,4 DCP	**200**	**13.2/13.3**	**45/30**	**4.9-J**	**11**
a-BHC	**1-J**	**2.1/2.3**	**2.5-J/<5**	**0.39**	**1.4**
As	**138**	**135/136**	**141/147**	**53.8**	**127**
Fe	540	**1390-J**/786-J	629/762	477	317
Lindane	**0.69**	**3/3.2**	**1.9-J/1.7-J**	**0.46**	**1.5**
MCPA	**750-J**	**<50/<50**	**<400/<400**	**<400**	**<40**
MCPP	**1500-J**	**<50/<50**	**190-J/220-J**	**<400**	**<40**
Mn	24.9	19-J/20.9-J	8.3	**134**	15.1

OLD-09-07					
3 TO 12	10/21/97	3/16/99	8/3/99	10/23/99	1/22/00
Fe	**1870**	**1840-J**	<317	470	<274
MCPP	**1100-J**	**<100**	**910-J**	**550-R**	R

OLD-09-02					
7 TO 12	10/20/97	3/13/99	8/3/99	10/22/99	1/22/00
MCPA	**870-J/670-J**	**<100**	**<400**	**<400**	**<40**
MCPP	**840-J/<540**	**<100**	**<400**	**<400**	R

LEGEND

ASTERISK INDICATES WELLS SAMPLED — ✱OLD-09-05

MONITORING WELL — ⊙

SCREEN INTERVAL TO NEAREST FOOT — SAMPLE COLLECTION DATE

1 TO 10	10/21/97	3/16/99	8/3/99
As	**93.9**	**71.5**	**180/180**
Fe	570	**1520-J**	**1490/1420**
Lindane	0.034-J	**0.4**	0.18-J/0.19-J
MCPP	**1200-J**	**<50**	**<400/<400**
Mn	11.6-J	**121-J**	22.3/21.5

ANALYTE — ANALYTE CONCENTRATION[1,2] — DUPLICATE SAMPLE

ESTIMATED CONCENTRATION	J
VALUE FROM DILUTION	D
REJECTED	R
NOT SAMPLED	NS

1-CONCENTRATION IN MICROGRAMS PER LITER (ug/L)
2-BOLD CONCENTRATION INDICATES EXCEEDANCE

SCREENING CRITERIA

ANALYTE	GCTL[1]	BGSV[1]
Al	200	4067
Aldrin	0.005	-
As	50	5
DEHP	6	-
Dieldrin	0.005	-
Fe	300	1227
MCPA	3.5	-
MCPP	7	-
Mn	50	17
Sb	6	4.1
a-BHC	0.006	-
2,4-DCP	0.5	-
Lindane	0.2	-
Naph	20	-

GCTL-GROUNDWATER CLEANUP TARGET LEVEL
BGSV-BACKGROUND SCREENING VALUE
DEHP-Bis(2-ethylhexyl)phthalate
2,4-DCP-2,4-Dichlorophenol

NOTE:
DATA ARE SHOWN FOR LOCATIONS WITH PAST OR CURRENT SCREENING CRITERIA EXCEEDANCES.

FIGURE 4

GROUNDWATER EXCEEDANCES
JANUARY, 2000
QUARTERLY MONITORING REPORT
OPERABLE UNIT 3 - STUDY AREA 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

CAD FILE NO./DATE: 7457M040.dgn/5-12-00

n11x17b.dgn

TABLES

No.

1 Water-Level Elevations Summary Operable Unit 3 – Study Area 8

2 Water-Level Elevations Summary Operable Unit 3 – Study Area 9

3 Positive Detections in Groundwater - January 2000

4 Historical Detections in Groundwater

5 Validated Groundwater Analytical Results – January 2000

TABLE 1

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 3 - STUDY AREA 8

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well	Well Type	Screen Interval (BGS)	TOC Elevation (AMSL)	5/13/98		3/14/99		7/20/99		10/19/99		1/20/00	
				Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)
OLD-08-01	2" well	3-13	94.96	2.65	92.31	3.70	91.26	2.23	92.73	0.85	94.11	2.39	92.57
OLD-08-02	2" well	3-13	94.77	2.74	92.03	3.65	91.12	2.30	92.47	1.19	93.58	2.40	92.37
OLD-08-03	2" well	3-13	94.31	2.65	91.66	3.21	91.10	1.89	92.42	0.83	93.48	1.95	92.36
OLD-08-04	2" well	3-13	94.62	2.45	92.17	3.45	91.17	1.99	92.63	0.74	93.88	2.13	92.49
OLD-08-05	½" μ well	1-10	93.64	1.55	92.09	2.35	91.29	1.02	92.62	0.80	92.84	2.17	91.47
OLD-08-06	½" μ well	1-10	95.06	2.46	92.60	3.75	91.31	1.99	93.07	0.62	94.44	2.40	92.66
OLD-08-07	½" μ well	1-10	95.40	2.67	92.73	3.81	91.59	2.31	93.09	destroyed			
OLD-08-08	½" μ well	1-10	95.22	2.64	92.58	3.67	91.55	2.29	92.93	0.83	94.39	2.39	92.83
OLD-08-09	½" μ well	1-10	93.53	2.37	91.16	destroyed							
OLD-08-10	½" μ well	1-10	93.07	1.84	91.23	2.31	90.76	1.58	91.49	0.45	92.62	1.49	91.58
OLD-08-11	½" μ well	1-10	93.00	1.80	91.20	2.57	90.43	1.28	91.72	0.45	92.55	1.33	91.67
OLD-08-12	½" μ well	23-29	94.50	NM	NM	4.27	90.23	3.32	91.18	1.88	92.62	3.15	91.35
OLD-08-13	½" μ well	1.13-7.13	95.98	4.84	91.14	5.34	90.64	4.66	91.32	3.43	92.55	4.72	91.26
OLD-08-14	½" μ well	1.12-7.12	97.12	6.03	91.09	6.44	90.68	5.59	91.53	4.55	92.57	5.66	91.46
OLD-08-15	½" μ well	1.22-7.22	96.41	5.44	90.97	5.89	90.52	5.33	91.08	3.83	92.58	5.15	91.26
OLD-08-16	½" μ well	1-10	96.34	3.42	92.92	NM	NM	3.14	93.20	destroyed			
OLD-08-17	½" μ well	09-9.9	94.92	2.40	92.52	3.43	91.49	2.10	92.82	0.55	94.37	2.13	92.79
OLD-08-18	½" μ well	1.5-10.5	95.32	4.33	90.99	5.10	90.22	4.13	91.19	2.77	92.55	4.97	90.35

Notes:
All measurements are in units of feet.
AMSL - Above mean sea level
BGS - Below ground surface
BTOC - Below top of casing
NM - Not measured
TOC - Top of casing

TABLE 2

WATER-LEVEL ELEVATIONS SUMMARY
OPERABLE UNIT 3 - STUDY AREA 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well	Well Type	Screen Interval (BGS)	TOC Elevation (AMSL)	5/8/98		3/16/99		7/19/99		10/20/99		1/21/00	
				Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)	Depth to Water (BTOC)	Groundwater Elevation (AMSL)
OLD-09-01	2" well	3-13	94.66	3.18	91.48	3.82	90.84	2.65	92.01	1.11	93.55	2.72	91.94
OLD-09-02	2" well	7-12	97.72	5.68	92.04	6.71	91.01	5.43	92.29	3.56	94.16	5.30	92.42
OLD-09-03	2" well	7-12	97.81	6.35	91.46	7.08	90.73	6.13	91.68	4.60	93.21	5.43	92.38
OLD-09-04	2" well	7-12	97.18	5.63	91.55	6.48	90.70	5.23	91.95	2.68	94.50	5.31	91.87
OLD-09-05	½" µ well	1-10	94.16	2.72	91.44	3.36	90.80	2.33	91.83	0.85	93.31	2.40	91.76
OLD-09-06	½" µ well	1-10	93.87	2.31	91.56	2.74	91.13	1.63	92.24	0.60	93.27	2.25	91.62
OLD-09-07	½" µ well	3-12	95.69	4.46	91.23	5.15	90.54	4.29	91.40	2.12	93.57	4.38	91.31
OLD-09-08	½" µ well	2-11	95.59	3.31	92.28	4.27	91.32	3.00	92.59	1.23	94.36	3.06	92.53
OLD-09-09	½" µ well	1-10	95.17	3.05	92.12	3.81	91.36	2.62	92.55	1.34	93.83	2.95	92.22
OLD-09-10	½" µ well	1-10	94.63	2.88	91.75	3.59	91.04	2.38	92.25	0.91	93.72	2.71	91.92
OLD-09-11	½" µ well	1-10	95.05	3.12	91.93	3.77	91.28	2.65	92.40	1.41	93.64	3.08	91.97
OLD-09-12	½" µ well	1-10	95.21	3.17	92.04	4.02	91.19	2.92	92.29	1.32	93.89	3.10	92.11
OLD-09-13	½" µ well	23-29	94.91	2.58	92.33	22.64	72.27	3.45	91.46	1.60	93.31	3.64	91.27
OLD-09-14	½" µ well	1.39-7.39	97.11	5.78	91.33	6.29	90.82	5.73	91.38	4.38	92.73	5.72	91.39
OLD-09-15	½" µ well	1.18-7.18	96.62	5.34	91.28	5.86	90.76	5.33	91.29	5.20	91.42	5.28	91.34
OLD-09-16	½" µ well	1.11-7.11	96.61	5.35	91.26	5.86	90.75	5.29	91.32	3.95	92.66	5.25	91.36
OLD-09-17	½" µ well	0.93-9.93	95.00	3.79	91.21	4.46	90.54	3.64	91.36	1.65	93.35	3.72	91.28
OLD-09-18	½" µ well	23.6-29.6	94.74	3.44	91.30	23.38	71.36	3.30	91.44	1.61	93.13	3.40	91.34
OLD-09-19	2" well	25.5-30.5	94.59	Not Installed		Not Installed		Not Installed		1.57	93.02	3.30	91.29

Notes:
All measurements are in units of feet.
AMSL - Above mean sea level
BGS - Below ground surface
BTOC - Below top of casing
NM - Not measured
TOC - Top of casing

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TABLE 3

POSITIVE DETECTIONS IN GROUNDWATER - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-01	OLD-08-02	OLD-08-03	OLD-08-04	OLD-08-05	OLD-08-06	OLD-08-08	OLD-08-10		OLD-08-11	OLD-08-13
Sample ID	Florida GCTL[b]	NTC BGSV[c]	NTC08G00113	NTC08G00213	NTC08G00313	NTC08G00413	NTC08G00513	NTC08G00613	NTC08G00813	NTC08G01013	NTC08G01013-D	NTC08G01113	NTC08G01313
Lab ID			A0A240125001	A0A240125002	A0A240125003	A0A240125004	A0A240125013	A0A240125017	A0A240125014	A0A240125010	A0A240125011	A0A240125015	A0A250128011
Sample Date			1/19/00	1/19/00	1/19/00	1/19/00	1/20/00	1/20/00	1/20/00	1/20/00	1/20/00	1/20/00	1/22/00
2,4-Dichlorophenol	0.5												
Bis(2-ethylhexyl)phthalate	6												
1-Methylnaphthalene	20												
2-Methylnaphthalene	20												
Acenaphthene	20												
Naphthalene	20												
alpha-BHC	0.006												
alpha-Chlordane[d]	2												
gamma-BHC (Lindane)	0.2												
gamma-Chlordane[d]	2												
2,4,5-TP (Silvex)	50												
2,4-D	70												
Dicamba	210												
Dinoseb	7												
MCPA	3.5								180 J			140 J	
MCPP	7										46 J		
Pentachlorophenol	1												
Aluminum	200	4067		352									504
Antimony	6	4.1											
Arsenic	50	5	150	717	248	202	37.9	73.4	214	166	172	823	20.7
Barium	2000	31.4	6.9	25.3	18.2	3.2	6.9	2.9	14.3	16.2	16.7	2	13.4
Cadmium	5	5.6											
Calcium	*	36830	46100	62200	42500	27700	17300	29500	106000	63000	65100	50200	10100
Chromium	100	7.8	4	4.2	6.7	4.3	6.2	3.6				3.6	
Cobalt	420	*											
Copper	1000	5.4	3		3.6	5.1	45.4						
Iron	300	1227	76.2	188	479	53.6	134	97.3		521	535	68	1250
Lead	15	4					15						
Magnesium	*	4560	2800	4640	3470	3200	1450	2070	4080	5110	5270	4500	2140
Manganese	50	17	10.5	40.3	39.2	22.2	24.8			85.1	87	7.2	42.8
Mercury													
Nickel	100	*		2.3	33.5	6.9	2.3						
Potassium	*	5400	5400	6450	5830	8100	2460	3350	9890	762	783	10900	
Silver	100	*											
Sodium	160000	18222	1120	2600	1850	1870	1940	1670	2270	7660	7930	5070	11300
Vanadium	49	20.6	3.2				2.9						
Zinc	5000	4	41	43.6	568	202	84.5						29

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TABLE 3

POSITIVE DETECTIONS IN GROUNDWATER - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-14	OLD-08-15	OLD-08-17	OLD-08-18	OLD-09-01	OLD-09-02	OLD-09-03	OLD-09-04	OLD-09-05		OLD-09-06
Sample ID	Florida GCTL[b]	NTC BGSV[c]	NTC08G01413	NTC08G01513	NTC08G01713	NTC08G01813	NTC09G00113	NTC09G00213	NTC09G00313	NTC09G00413	NTC09G00513	NTC09G00513-D	NTC09G00613
Lab ID			A0A250128012	A0A250128009	A0A240125016	A0A250128010	A0A250128004	A0A250128005	A0A250149003	A0A250149001	A0A250128001	A0A250128003	A0A250128007
Sample Date			1/22/00	1/22/00	1/20/00	1/22/00	1/22/00	1/22/00	1/23/00	1/22/00	1/22/00	1/22/00	1/22/00
2,4-Dichlorophenol	0.5												
Bis(2-ethylhexyl)phthalate	6								8.9 J				
1-Methylnaphthalene	20									2.5			
2-Methylnaphthalene	20									1.7 J			
Acenaphthene	20									0.74 J			
Naphthalene	20									3			
alpha-BHC	0.006												
alpha-Chlordane[d]	2									0.15 J			
gamma-BHC (Lindane)	0.2												
gamma-Chlordane[d]	2									0.063			
2,4,5-TP (Silvex)	50												
2,4-D	70									0.085 J			
Dicamba	210									0.14 J			
Dinoseb	7									0.19 J			
MCPA	3.5												
MCPP	7			68		50 J					67 J	32 J	
Pentachlorophenol	1												
Aluminum	200	4067	1910	1550		574		1380	350	29.5			
Antimony	6	4.1											
Arsenic	50	5	85.5	5.6	145		20.5			225	72.4	72.3	42.9
Barium	2000	31.4	16	8.3	10.1	30.9	55.4		2.4	12.1	9	9	8.2
Cadmium	5	5.6											
Calcium	*	36830	10800	5160	66800	5130	97700	6710	11100	42800	70900	68300	43000
Chromium	100	7.8			2.8								
Cobalt	420	*											
Copper	1000	5.4	58.9										
Iron	300	1227	6320	1020		3260	331		133	2160			419
Lead	15	4	32	2.1	1.9								
Magnesium	*	4560	2200	2300	3080	1910	5790	1520	2160	3260	6090	5870	3220
Manganese	50	17	83.7			164	22.1			58			63.6
Mercury			0.069								0.052		
Nickel	100	*											
Potassium	*	5400	1730	2830	4600	1010	6310	3140	3510	7430	9830	9380	3980
Silver	100	*											
Sodium	160000	18222	15000	26100	2140	7620			1980	1050			
Vanadium	49	20.6	4.2	2.4	5	5.9					2.5	2.4	
Zinc	5000	4	94.2										

TABLE 3

POSITIVE DETECTIONS IN GROUNDWATER - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-07	OLD-09-10	OLD-09-11	OLD-09-12	OLD-09-14		OLD-09-15	OLD-09-16	OLD-09-17	OLD-09-19
Sample ID	Florida GCTL[b]	NTC BGSV[c]	NTC09G00713	NTC09G01013	NTC09G01113	NTC09G01213	NTC09G01413	NTC09G01413-D	NTC09G01513	NTC09G01613	NTC09G01713	NTC09G01913
Lab ID			A0A250128002	A0A250149004	A0A250128008	A0A250149005	A0A250149006	A0A250149009	A0A250149007	A0A250149008	A0A250149002	A0A250128006
Sample Date			1/22/00	1/23/00	1/22/00	1/23/00	1/23/00	1/23/00	1/23/00	1/23/00	1/22/00	1/22/00
2,4-Dichlorophenol	0.5					11						
Bis(2-ethylhexyl)phthalate	6											
1-Methylnaphthalene	20					0.58 J		0.44 J				
2-Methylnaphthalene	20					0.67 J						
Acenaphthene	20											
Naphthalene	20					1.9 J	9.9	7.7	5			
alpha-BHC	0.006					1.4						
alpha-Chlordane[d]	2				0.021 J							
gamma-BHC (Lindane)	0.2				0.034 J	1.5						
gamma-Chlordane[d]	2											
2,4,5-TP (Silvex)	50					0.62 J						
2,4-D	70					8						
Dicamba	210											
Dinoseb	7											
MCPA	3.5											
MCPP	7				72 J							
Pentachlorophenol	1											
Aluminum	200	4067	586	228		477	312	615	1470	264	260	693
Antimony	6	4.1									2	
Arsenic	50	5	3		41.4	127					14.3	
Barium	2000	31.4	5.1	8.2	16.3	5	47.8	54.6	9.6	15.5	5.3	20.8
Cadmium	5	5.6										
Calcium	*	36830	8000	41300	74300	9780	59600	67100		4660	28500	23300
Chromium	100	7.8						3.2				
Cobalt	420	*										
Copper	1000	5.4										
Iron	300	1227		1030	2220	317	828	941	1300	1080	92.6	762
Lead	15	4		2.5								
Magnesium	*	4560	826	2380	4020	1520	6250	6850	709	1070	569	2400
Manganese	50	17			34.5	15.1	98.7	109	34	38.3		31.5
Mercury												
Nickel	100	*					2.5	4.1				
Potassium	*	5400	968	4400	9790	11000	1480	1620	151	679	906	1700
Silver	100	*										
Sodium	160000	18222		1980		940	32200	35100	10900	9040	1050	7740
Vanadium	49	20.6	3.1				2.8	3.3		2.5	5.9	7.3
Zinc	5000	4	37.6	121		49.6						

TABLE 3

POSITIVE DETECTIONS IN GROUNDWATER – JANUARY 2000
OPERABLE UNIT 3 – STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

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

(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) Screening Criteria Substitution – Chlordane for alpha-Chlordane and gamma-Chlordane, and Endosulfan for Endosulfan II.

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-01					
Sample ID			08G00102	NTC08G00110	NTC08G00110-D	NTC08G00111	NTC08G0112	NTC08G00113
Lab ID	Florida	NTC	873054	F3846-7	F3846-11	A9G29018006	A9J210106004	A0A240125001
Sample Date	GCTL[b]	BGSV[c]	10/22/97	3/13/99	3/13/99	7/28/99	10/19/99	1/19/00
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA	NA
1-Methylnaphthalene	20		NA					
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20		25					
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)				NA	NA	NA	NA	NA
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1		0.0056 J					
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2		0.01 J					
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)						NA	NA	NA
2,4 5-TP (Silvex)	50							
2,4-D	70		0.095 J					
2,4-DB	56		0.046 J					
Dalapon	200							
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7		790 J					
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067		199	235	192 J	156	
Antimony	6	4.1	3.7 J				7.4	
Arsenic	50	5	133	138 J	128 J	163	229	150
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	19 J				11.9	6.9
Cadmium	5	5.6						
Calcium	*	36830	101000	35500	34500	55000 J	56300	46100
Chromium	100	7.8	2.6 J	13.7	10.7		3.6	4
Cobalt	420	*						
Copper	1000	5.4					5.2	3
Iron	300	1227	1460			155		76.2
Lead	15	4						
Magnesium	*	4560		2810	2920	3980	4510	2800
Manganese	50	17	12.6 J		5.8	4.8	21.8	10.5
Mercury	2	0.12						
Nickel	100	*	1.7 J	6.2	6.9			
Potassium	*	5400	16000	6200	5780	6390	12600	5400
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222		3500	3620	6050	3560	1120
Vanadium	49	20.6	0.86 J	13.6	11.8		2.3	3.2
Zinc	5000	4				129		41
General Chemistry (mg/L)				NA	NA	NA	NA	NA
Total Organic Carbon			27.4					
Total Suspended Solids			5					

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-02				
Sample ID	Florida GCTL[b]	NTC BGSV[c]	08G00202	NTC08G00210	NTC08G00211	NTC08G0212	NTC08G00213
Lab ID			873055	F3841-4	A9G2901198009	A9J210106003	A0A240125002
Sample Date			10/22/97	3/11/99	7/28/99	10/19/99	1/19/00
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA
1-Methylnaphthalene	20		NA				
2,4,6-Trichlorophenol	3.2						
2,4-Dichlorophenol	0.5						
2,4-Dimethylphenol	140						
2-Methylnaphthalene	20						
2-Methylphenol	35						
4-Methylphenol	4						
Acenaphthene	20						
Bis(2-ethylhexyl)phthalate	6						
Naphthalene	20						
Pentachlorophenol	1						
Phenol	10						
Pesticides/PCBs (µg/L)				NA	NA	NA	NA
4,4'-DDD	0.1						
4,4'-DDE	0.1						
4,4'-DDT	0.1						
Aldrin	0.005						
alpha-BHC	0.2						
alpha-Chlordane[d]	2						
delta-BHC	2.1						
Dieldrin	0.005						
Endosulfan	42						
Endosulfan II[d]	42						
Endosulfan Sulfate	*		0.012 J				
Endrin	2						
Endrin Aldehyde	*						
gamma-BHC (Lindane)	0.2						
gamma-Chlordane[d]	2						
Toxaphene	3						
Herbicides (µg/L)					NA	NA	NA
2,4,5-TP (Silvex)	50						
2,4-D	70		0.0051 J				
2,4-DB	56		0.09 J				
Dalapon	200						
Dicamba	210						
Dichloroprop	35						
Dinoseb	7						
MCPA	3.5						
MCPP	7						
Pentachlorophenol	1						
Inorganics (µg/L)							
Aluminum	200	4067		207	918 J	515	352
Antimony	6	4.1				6	
Arsenic	50	5	295	294	609	581	717
Arsenic (III)							
Arsenic (v)							
Barium	2000	31.4	25.1 J	21.5 J	24.5	36	25.3
Cadmium	5	5.6				0.23	
Calcium	*	36830	104000	62100	74200 J	81600	62200
Chromium	100	7.8	1.4 J			2.4	4.2
Cobalt	420	*					
Copper	1000	5.4		2.1		6.7	
Iron	300	1227		250	148	332	188
Lead	15	4				3.2	
Magnesium	*	4560		3710	4360	5550	4640
Manganese	50	17	6.7 J	13.1	13.3	27.2	40.3
Mercury	2	0.12					
Nickel	100	*	1.4 J	1.4			2.3
Potassium	*	5400	10800	6710	10100	11000	6450
Selenium	50	9.7					
Silver	100	*					
Sodium	160000	18222		6470	5850	8220	2600
Vanadium	49	20.6		0.50		1	
Zinc	5000	4		47.1 J		131	43.6
General Chemistry (mg/L)				NA	NA	NA	NA
Total Organic Carbon			28.8				
Total Suspended Solids							

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-03				
Sample ID			08G00302	NTC08G00310	NTC08G00311	NTC08G0312	NTC08G00313
Lab ID	Florida GCTL[b]	NTC BGSV[c]	873056	F3841-6	A9G290198008	A9J210106007	A0A240125003
Sample Date			10/22/97	3/11/99	7/28/99	10/19/99	1/19/00
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA
1-Methylnaphthalene	20		NA				
2,4,6-Trichlorophenol	3.2						
2,4-Dichlorophenol	0.5						
2,4-Dimethylphenol	140						
2-Methylnaphthalene	20						
2-Methylphenol	35						
4-Methylphenol	4						
Acenaphthene	20						
Bis(2-ethylhexyl)phthalate	6						
Naphthalene	20						
Pentachlorophenol	1						
Phenol	10						
Pesticides/PCBs (µg/L)				NA	NA	NA	NA
4,4'-DDD	0.1						
4,4'-DDE	0.1						
4,4'-DDT	0.1						
Aldrin	0.005						
alpha-BHC	0.2						
alpha-Chlordane[d]	2						
delta-BHC	2.1						
Dieldrin	0.005						
Endosulfan	42						
Endosulfan II[d]	42						
Endosulfan Sulfate	*						
Endrin	2						
Endrin Aldehyde	*						
gamma-BHC (Lindane)	0.2						
gamma-Chlordane[d]	2						
Toxaphene	3						
Herbicides (µg/L)					NA	NA	NA
2,4 5-TP (Silvex)	50						
2,4-D	70						
2,4-DB	56		0.6 J				
Dalapon	200						
Dicamba	210						
Dichloroprop	35						
Dinoseb	7						
MCPA	3.5		**640 J**				
MCPP	7						
Pentachlorophenol	1						
Inorganics (µg/L)							
Aluminum	200	4067		168	**4300 J**	721	
Antimony	6	4.1				**13.8**	
Arsenic	50	5	**79.9**	**260**	**234**	**610**	**248**
Arsenic (III)							
Arsenic (v)							
Barium	2000	31.4	14.7 J	20.9 J	38.3	51.6	18.2
Cadmium	5	5.6					
Calcium	*	36830	37500	28600	67600 J	89600	42500
Chromium	100	7.8	1.7 J		5.2	4.5	6.7
Cobalt	420	*				1.3	
Copper	1000	5.4	1.5 J	3.3	15.7	2.9	3.6
Iron	300	1227	231	**1260**	750	201	479
Lead	15	4			2.8		
Magnesium	*	4560		2440	3450	8120	3470
Manganese	50	17	15.3	19.6	12.2	**55.4**	39.2
Mercury	2	0.12					
Nickel	100	*	1.6 J	10.0	15	27.4	33.5
Potassium	*	5400	9130	6400	9610	20900	5830
Selenium	50	9.7					
Silver	100	*					
Sodium	160000	18222		4290	5790	5970	1850
Vanadium	49	20.6		0.77		1.2	
Zinc	5000	4		180 J	254	561	568
General Chemistry (mg/L)				NA	NA	NA	NA
Total Organic Carbon			30.6				
Total Suspended Solids							

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-04					
Sample ID			08G00402	NTC08G00410	NTC08G00410-D	NTC08G00411	NTC08G0412	NTC08G00413
Lab ID	Florida	NTC	873064	F3841-5	F3841-7	A9G290198007	A9J210106005	A0A240125004
Sample Date	GCTL[b]	BGSV[c]	10/22/97	3/11/99	3/11/99	7/28/99	10/19/99	1/19/00
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA	NA
1-Methylnaphthalene	20		NA					
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)				NA	NA	NA	NA	NA
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)						NA	NA	NA
2,4,5-TP (Silvex)	50							
2,4-D	70		0.023 J					
2,4-DB	56		0.18 J					
Dalapon	200							
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7							
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067		240	304	918 J	261	
Antimony	6	4.1					3.6	
Arsenic	50	5	70.4	102	106	99.2	381	202
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4					8.4	3.2
Cadmium	5	5.6					0.44	
Calcium	*	36830	28900	21700	22900	26600 J	59000	27700
Chromium	100	7.8	1.5 J				4.1	4.3
Cobalt	420	*						
Copper	1000	5.4	1.3 J	5.0	37.6	8.5	11.1	5.1
Iron	300	1227			222			53.6
Lead	15	4						
Magnesium	*	4560		2230	2420	2220	6740	3200
Manganese	50	17	16.4	19.8	18.1	10.3	39.2	22.2
Mercury	2	0.12						
Nickel	100	*	3 J	6.8	7.5	9.5		6.9
Potassium	*	5400	9940	6430	6750	5380	19500	8100
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222		4580	5070	6630	4370	1870
Vanadium	49	20.6		2.1	2.4		3.1	
Zinc	5000	4		295 J	337 J	627	310	202
General Chemistry (mg/L)				NA	NA	NA	NA	NA
Total Organic Carbon			27					
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-05						
Sample ID			08G00501	08G00501D	NTC08G00510	NTC08G00511	NTC08G0512	NTC08G0512-D	NTC08G00513
Lab ID	Florida	NTC	873270	873272	F3832-1	A9G300236003	A9J220158007	A9J220158008	A0A240125013
Sample Date	GCTL[b]	BGSV[c]	10/23/97	10/23/97	3/10/99	7/29/99	10/21/99	10/21/99	1/20/00
Semivolatiles/PAHs (µg/L)					NA	NA	NA	NA	NA
1-Methylnaphthalene	20		NA	NA					
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)					NA	NA	NA	NA	NA
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)						NA	NA	NA	NA
2,4,5-TP (Silvex)	50								
2,4-D	70								
2,4-DB	56		1.4 J						
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7		0.098 J						
MCPA	3.5								
MCPP	7								
Pentachlorophenol	1								
Inorganics (µg/L)									
Aluminum	200	4067			126	4310 J	289	276	
Antimony	6	4.1							
Arsenic	50	5	57.7	57.3	56.9	284	54	55.3	37.9
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	11.8 J	11.3 J	17.8	77.8	7.7	8.1	6.9
Cadmium	5	5.6					0.42	0.39	
Calcium	*	36830	33200	33100	19800	101000 J	17800	18200	17300
Chromium	100	7.8	1.8 J	2.3 J	10.5	6.8	10.1	10.7	6.2
Cobalt	420	*							
Copper	1000	5.4	1.2 J	0.96 J	2.3	9.3	30.8	29.2	45.4
Iron	300	1227					590	583	134
Lead	15	4				3.7	35.7	34.1	15
Magnesium	*	4560			2640	8500	1510	1550	1450
Manganese	50	17	160	162	146 J	338	25.2	25.5	24.8
Mercury	2	0.12							
Nickel	100	*			1.4				2.3
Potassium	*	5400	11200	11200	5910 J	12900	3100	3240	2460
Selenium	50	9.7							
Silver	100	*					1.7	1.8	
Sodium	160000	18222			3850	8540	1220	1290	1940
Vanadium	49	20.6			0.43		4.3	4.2	2.9
Zinc	5000	4			40.9 J	74.1			84.5
General Chemistry (mg/L)				NA	NA	NA	NA	NA	NA
Total Organic Carbon			31.2						
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-06					OLD-08-07	
Sample ID			08G00601	NTC08G00610	NTC08G00611	NTC08G0612	NTC08G00613	08G00701	NTC08G00710
Lab ID	Florida	NTC	873268	F3841-1	A9G300236004	A9J210106008	A0A240125017	873267	F3849-1
Sample Date	GCTL[b]	BGSV[c]	10/23/97	3/11/99	7/29/99	10/19/99	1/20/00	10/23/97	3/15/99
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA		NA
1-Methylnaphthalene	20		NA					NA	
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)				NA	NA	NA	NA		NA
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)					NA	NA	NA		
2,4,5-TP (Silvex)	50								
2,4-D	70		0.22 J						
2,4-DB	56		0.57 J						
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7		0.28 J						
MCPA	3.5								
MCPP	7								
Pentachlorophenol	1								
Inorganics (µg/L)									
Aluminum	200	4067		150	744 J	94.6			
Antimony	6	4.1							
Arsenic	50	5	**53**	**88.5**	**138**	**71.8**	**73.4**	**56.4**	47.9
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	12.3 J	27.8 J	38.3	7.4	2.9	8 J	
Cadmium	5	5.6							
Calcium	*	36830	28100	21000	67800 J	30800	29500	45300	26800 J
Chromium	100	7.8	3.4 J	22.0		4.9	3.6	1.1 J	
Cobalt	420	*							
Copper	1000	5.4	6.7 J	13.3	13.3	4.6		3.3 J	8.6
Iron	300	1227	198	**33300**		185	97.3	529	
Lead	15	4	6.6	13.2	9.8				
Magnesium	*	4560		2610	5720	2030	2070		2750 J
Manganese	50	17	24.2	**110**	**69.6**	11.7		11 J	
Mercury	2	0.12							
Nickel	100	*		16.8					
Potassium	*	5400	11700	5450	13200	3270	3350	11000	3140 J
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222		4690	3630	1200	1670		3930
Vanadium	49	20.6	2 J	0.53		3.7		1.8 J	
Zinc	5000	4		38.2 J	177				
General Chemistry (mg/L)				NA	NA	NA	NA		NA
Total Organic Carbon			33.7					22.9	
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-08					
Sample ID			08G00801	08G00801D	NTC08G00810	NTC08G00811	NTC08G0812	NTC08G00813
Lab ID	Florida	NTC	873069	873074	F3841-3	A9H030166007	A9J210106002	A0A240125014
Sample Date	GCTL[b]	BGSV[c]	10/22/97	10/22/97	3/11/99	8/1/99	10/19/99	1/20/00
Semivolatiles/PAHs (µg/L)					NA	NA	NA	NA
1-Methylnaphthalene	20		NA	NA				
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)					NA	NA	NA	NA
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)								NA
2,4 5-TP (Silvex)	50							
2,4-D	70		0.12 J	0.11 J				
2,4-DB	56		0.16 J	0.11 J				
Dalapon	200							
Dicamba	210							
Dichloroprop	35		0.69 J	0.66 J				
Dinoseb	7							
MCPA	3.5							180 J
MCPP	7			710 J		99 J		
Pentachlorophenol	1					NA	NA	
Inorganics (µg/L)								
Aluminum	200	4067						
Antimony	6	4.1					10.1	
Arsenic	50	5	122	120	175	154	194	214
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	26.6 J	26.1 J	10.4 J	18.9	37.3	14.3
Cadmium	5	5.6						
Calcium	*	36830	131000	134000	58800	71400	116000	106000
Chromium	100	7.8						
Cobalt	420	*						
Copper	1000	5.4	1.5 J	1.4 J	7.1			
Iron	300	1227				370		
Lead	15	4						
Magnesium	*	4560			2620	2550	4600	4080
Manganese	50	17	6.3 J	6.4 J	3.4			
Mercury	2	0.12						
Nickel	100	*			2.5			
Potassium	*	5400	8670	8900	8780	7600	11100	9890
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222			5310	3840	4830	2270
Vanadium	49	20.6			0.96		0.62	
Zinc	5000	4			42.1 J			
General Chemistry (mg/L)				NA	NA	NA	NA	NA
Total Organic Carbon			20.7					
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-09		OLD-08-10			
Sample ID			08F00901	08G00901	08G01001	NTC08G01010	NTC08G01011	NTC08G1012
Lab ID	Florida	NTC	873053	873070	873269	F3846-3	A9H020124009	A9J220158006
Sample Date	GCTL[b]	BGSV[c]	10/22/97	10/22/97	10/23/97	3/12/99	7/30/99	10/21/99
Semivolatiles/PAHs (µg/L)			NA			NA	NA	NA
1-Methylnaphthalene	20			NA	NA			
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			NA			NA	NA	NA
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)			NA					
2,4,5-TP (Silvex)	50							
2,4-D	70			0.076 J				
2,4-DB	56			0.061 J				
Dalapon	200						2J	
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7				900 J			
Pentachlorophenol	1							
Inorganics (µg/L)								NA
Aluminum	200	4067	252	372	614	409		
Antimony	6	4.1						
Arsenic	50	5	96.4	117	209	122 J	189	276
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	4.9 J		15 J		8.8	9.7
Cadmium	5	5.6						
Calcium	*	36830	43300	45600	7230	17100	42800	53500
Chromium	100	7.8	1.3 J				16.5	
Cobalt	420	*						
Copper	1000	5.4		1.2 J	6.5 J		1.7	
Iron	300	1227	410	455	825	1400		120
Lead	15	4						
Magnesium	*	4560				1970	3870	4740
Manganese	50	17	18.9	18.5	54.4	56.8		29.3
Mercury	2	0.12						
Nickel	100	*	1.7 J					
Potassium	*	5400	4720 J	4980 J		822	3620	2680
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222				5910	9180	2750
Vanadium	49	20.6	2.3 J	2.3 J	2.8 J		3.1	
Zinc	5000	4					13.6	
General Chemistry (mg/L)			NA			NA	NA	NA
Total Organic Carbon				31.5	21.1			
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-10		OLD-08-11				
Sample ID			NTC08G01013	NTC08G01013-D	08G01101	NTC08G01110	NTC08G01111	NTC08G1112	NTC08G01113
Lab ID	Florida GCTL[b]	NTC BGSV[c]	A0A240125010	A0A240125011	873271	F3846-2	A9H020124010	A9J210106006	A0A240125015
Sample Date			1/20/00	1/20/00	10/23/97	3/12/99	7/30/99	10/19/99	1/20/00
Semivolatiles/PAHs (µg/L)			NA	NA		NA	NA	NA	NA
1-Methylnaphthalene	20				NA				
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)			NA	NA		NA	NA	NA	NA
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005				0.019 J				
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)			NA						
2,4,5-TP (Silvex)	50								
2,4-D	70				0.048 J				
2,4-DB	56								
Dalapon	200							1.3 J	
Dicamba	210								
Dichloroprop	35								
Dinoseb	7								
MCPA	3.5								140 J
MCPP	7			46 J	660 J		110 J		
Pentachlorophenol	1							NA	
Inorganics (µg/L)									
Aluminum	200	4067				171		404	
Antimony	6	4.1							
Arsenic	50	5	166	172	223	315 J	170	114	823
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	16.2	16.7		63.4 J		3.8	2
Cadmium	5	5.6							
Calcium	*	36830	63000	65100	89800	60000	64700	34100	50200
Chromium	100	7.8						3.6	3.6
Cobalt	420	*							
Copper	1000	5.4			0.9 J				
Iron	300	1227	521	535					68
Lead	15	4							
Magnesium	*	4560	5110	5270		4740	4300	2740	4500
Manganese	50	17	85.1	87	5.3 J	6.4			7.2
Mercury	2	0.12							
Nickel	100	*							
Potassium	*	5400	762	783	11600	5130	10600	6990	10900
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222	7660	7930		7330	9370	5570	5070
Vanadium	49	20.6							
Zinc	5000	4							
General Chemistry (mg/L)			NA	NA		NA	NA	NA	NA
Total Organic Carbon					20.9				
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-12		OLD-08-13				
Sample ID			08F01201	08G01201	08F01301	08G01301	NTC08G01310	NTC08G01311	NTC08G01311-D
Lab ID	Florida	NTC	873265	873266	876944	876943	F3849-3	A9H030166001	A9H030166002
Sample Date	GCTL[b]	BGSV[c]	10/23/97	10/23/97	12/5/97	12/5/97	3/15/99	7/31/99	7/31/99
Semivolatiles/PAHs (µg/L)			NA		NA		NA	NA	NA
1-Methylnaphthalene	20			NA		NA			
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)			NA		NA		NA	NA	NA
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1					0.0051 J			
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)			NA		NA			NA	NA
2,4,5-TP (Silvex)	50								
2,4-D	70			0.082 J		0.16 J			
2,4-DB	56					0.31 J			
Dalapon	200								
Dicamba	210								
Dichloroprop	35					0.4 J			
Dinoseb	7								
MCPA	3.5					**660 J**			
MCPP	7								
Pentachlorophenol	1								
Inorganics (µg/L)									
Aluminum	200	4067	412	1450	529	1870	527	823	729
Antimony	6	4.1							
Arsenic	50	5			**71.1**	**88.2**	19.0	24.3	22.6
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	18.2 J	38.5 J	25.6 J	42.1 J	76.4 J	17.9	17.7
Cadmium	5	5.6							
Calcium	*	36830			11400	12900	9170 J	12100	11500
Chromium	100	7.8		0.83 J					
Cobalt	420	*			1.5 J	1.9 J		0.98	
Copper	1000	5.4	0.95 J	1.5 J	4.5 J	5.5 J	23.1	1.9	1.4
Iron	300	1227	**4080**	**5800**	293	447	**2470 J**	**1660**	**1650**
Lead	15	4				3.2	6.5		
Magnesium	*	4560					1770 J	2320	2230
Manganese	50	17	**51**	**71.8**	**94.1**	**148**	**124 J**	**68.1**	**68.7**
Mercury	2	0.12							
Nickel	100	*			7.3 J	9.6 J			
Potassium	*	5400					848 J	277	284
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222					8490	7980	7720
Vanadium	49	20.6	2.6 J	4.2 J	1.2 J	2 J		1.4	0.92
Zinc	5000	4							
General Chemistry (mg/L)			NA		NA		NA	NA	NA
Total Organic Carbon				8.47		22.1			
Total Suspended Solids				8		22			

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-13		OLD-08-14				
Sample ID			NTC08G1312	NTC08G01313	08G01401	NTC08G01410	NTC08G01411	NTC08G1412	NTC08G01413
Lab ID	Florida	NTC	A9J220158005	A0A250128011	878090	F3849-2	A9H030166003	A9J210231004	A0A250128012
Sample Date	GCTL[b]	BGSV[c]	10/21/99	1/22/00	12/8/97	3/15/99	7/31/99	10/20/99	1/22/00
Semivolatiles/PAHs (µg/L)			NA	NA		NA	NA	NA	NA
1-Methylnaphthalene	20				NA				
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)			NA	NA		NA	NA	NA	NA
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*				0.0066 J				
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)			NA	NA					
2,4 5-TP (Silvex)	50								
2,4-D	70								
2,4-DB	56								
Dalapon	200				1.4 J		7.5 J		
Dicamba	210								
Dichloroprop	35				0.14 J				
Dinoseb	7								
MCPA	3.5								
MCPP	7				**200 J**		**190 J**		
Pentachlorophenol	1						NA	NA	
Inorganics (µg/L)									
Aluminum	200	4067	447	504	1380 J	1800	1340	2230	1910
Antimony	6	4.1						**11.2**	
Arsenic	50	5	30.7	20.7	7.1 J	9.5	**100**	**224**	**85.5**
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	16.6	13.4	39.2 J	99.5 J	53.3	20.7	16
Cadmium	5	5.6						0.96	
Calcium	*	36830	14000	10100	34200	12200 J	65600	30500	10800
Chromium	100	7.8						6.7	
Cobalt	420	*	0.96		2.3 J		2.2	2.2	
Copper	1000	5.4			9.5 J	17.5	4.3	56.5	58.9
Iron	300	1227	**2150**	**1250**	**1730 J**	**7340 J**	**5190**	**10500**	**6320**
Lead	15	4			3.1	**21.1**	**34.8**	**151**	**32**
Magnesium	*	4560	3140	2140		3190 J	20000	6670	2200
Manganese	50	17	**75.1**	42.8	**172**	**132 J**	**304**	**119**	**83.7**
Mercury	2	0.12							0.069
Nickel	100	*			5.8 J			85	
Potassium	*	5400	669			1240 J	1050	4070	1730
Selenium	50	9.7							
Silver	100	*						2.4	
Sodium	160000	18222	7200	11300		15600	41200	31200	15000
Vanadium	49	20.6	0.72		2.5 J		4.7	7	4.2
Zinc	5000	4		29			439	341	94.2
General Chemistry (mg/L)			NA	NA		NA	NA	NA	NA
Total Organic Carbon					46.8				
Total Suspended Solids					20				

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-15					
Sample ID			08G01501	NTC08G01510	NTC08G01511	NTC08G01511-D	NTC08G1512	NTC08G01513
Lab ID	Florida	NTC	876942	F3846-1	A9H030166005	A9H030166006	A9J210231006	A0A250128009
Sample Date	GCTL[b]	BGSV[c]	12/5/97	3/13/99	8/1/99	8/1/99	10/20/99	1/22/00
Semivolatiles/PAHs (µg/L)				NA	NA	NA	NA	NA
1-Methylnaphthalene	20		NA					
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)				NA	NA	NA	NA	NA
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1		0.0077 J					
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)								
2,4,5-TP (Silvex)	50							
2,4-D	70		0.16 J					
2,4-DB	56		0.29 J					
Dalapon	200				36 J			
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5		1200 DJ					
MCPP	7					280 J		68
Pentachlorophenol	1				NA	NA	NA	
Inorganics (µg/L)								
Aluminum	200	4067	1420	811	2430	2360	4010	1550
Antimony	6	4.1					4.9	
Arsenic	50	5			3.6	2.5	14.7	5.6
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	21.6 J		15.4	13.9	7.3	8.3
Cadmium	5	5.6						
Calcium	*	36830	18100	5440	8880	8590	7510	5160
Chromium	100	7.8					2.1	
Cobalt	420	*	1.2 J					
Copper	1000	5.4	8.3 J		2.6	1.5	6.7	
Iron	300	1227	498	1960	853	806	652	1020
Lead	15	4	2.3 J				28.5	2.1
Magnesium	*	4560		2810	4040	4000	3250	2300
Manganese	50	17	72.9	83.9	32.6	30.1		
Mercury	2	0.12						
Nickel	100	*	5.9 J					
Potassium	*	5400		806	2010	1890	3860	2830
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222	28900	13200	30600	28500	40900	26100
Vanadium	49	20.6	3 J		2.5	2.9	3	2.4
Zinc	5000	4			11.7			
General Chemistry (mg/L)				NA	NA	NA	NA	NA
Total Organic Carbon			27.2					
Total Suspended Solids			13					

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-16	OLD-08-17				
Sample ID			08G01601	08G01701	NTC08G01710	NTC08G01711	NTC08G1712	NTC08G01713
Lab ID	Florida	NTC	882951	882943	F3841-2	A9H020124011	A9J210106001	A0A240125016
Sample Date	GCTL[b]	BGSV[c]	2/18/98	2/18/98	3/11/99	7/30/99	10/19/99	1/20/00
Semivolatiles/PAHs (µg/L)			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
1-Methylnaphthalene	20							
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)			**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
2,4,5-TP (Silvex)	50							
2,4-D	70							
2,4-DB	56							
Dalapon	200							
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7							
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067	454	88.3 J	88.1			
Antimony	6	4.1				12.2	4.6	
Arsenic	50	5	3.9 J	**96.8**	**167**	**191**	**156**	**145**
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	27.7 J	20 J		18.7	29.8	10.1
Cadmium	5	5.6						
Calcium	*	36830			38300	53500	99300	66800
Chromium	100	7.8					2.3	2.8
Cobalt	420	*	1.9 J					
Copper	1000	5.4			5.5	3	2.4	
Iron	300	1227	580				257	
Lead	15	4					13.4	1.9
Magnesium	*	4560			2220	2180	3820	3080
Manganese	50	17	**164**		10.1		**59.1**	
Mercury	2	0.12						
Nickel	100	*	11.4 J	4.4 J	8.0			
Potassium	*	5400		10900	7580	12100	6640	4600
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222			6340	4770	2730	2140
Vanadium	49	20.6	3.5 J	4.4 J		10.3	4.1	5
Zinc	5000	4			30.2 J			
General Chemistry (mg/L)					**NA**	**NA**	**NA**	**NA**
Total Organic Carbon			25.2	19.9				
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-08-18				OLD-09-01		
Sample ID			08G01801	NTC08G01811	NTC08G1812	NTC08G01813	09G00102	NTC09G00110	NTC09G00111
Lab ID	Florida	NTC	882980	A9H030166004	A9J210231005	A0A250128010	872936	F3846-8	A9H050202002
Sample Date	GCTL[b]	BGSV[c]	2/19/98	7/31/99	10/20/99	1/22/00	10/20/97	3/13/99	8/4/99
Semivolatiles/PAHs (µg/L)			NA	NA	NA	NA			NA
1-Methylnaphthalene	20						NA	NA	
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)			NA	NA	NA	NA		(e)	(e)
4,4'-DDD	0.1								
4,4'-DDE	0.1						0.1 J		
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								0.067 J
Toxaphene	3								2.1 J
Herbicides (µg/L)			NA	NA					
2,4,5-TP (Silvex)	50								
2,4-D	70						0.0018 J		
2,4-DB	56						0.42 J		
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7				180 J				
MCPA	3.5						640		
MCPP	7					50 J			
Pentachlorophenol	1				NA				NA
Inorganics (µg/L)									
Aluminum	200	4067	87.3 J	1780	835	574	318	102	
Antimony	6	4.1	2.9 J						
Arsenic	50	5					13.2	31.8 J	34.9
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	12.1 J	42.8	35.6	30.9	24.5 J		53.5
Cadmium	5	5.6							
Calcium	*	36830		5910	5240	5130	24600	119000	79900
Chromium	100	7.8			3		0.81 J	15.3	
Cobalt	420	*		0.95					
Copper	1000	5.4		2.5	2.8				0.85
Iron	300	1227	550	3550	3360	3260	391		289
Lead	15	4			1.6				
Magnesium	*	4560		1730	1880	1910		10200	6640
Manganese	50	17		204	185	164	6.7 J	16.1	
Mercury	2	0.12							
Nickel	100	*	3 J				2.5 J	7.9	
Potassium	*	5400		741	801	1010		12200	8180 J
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222		9730	8770	7620		2000	2350
Vanadium	49	20.6	2.4 J	6.2	4.6	5.9			
Zinc	5000	4							
General Chemistry (mg/L)				NA	NA	NA		NA	NA
Total Organic Carbon			23.5				37.2		
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-01			OLD-09-02			
Sample ID			NTC09G0112	NTC09G0112-D	NTC09G00113	09G00202	09G00202D	NTC09G00210	NTC09G00211
Lab ID	Florida GCTL[b]	NTC BGSV[c]	A9J220158002	A9J220158003	A0A250128004	872937	872939	F3846-9	A9H040126009
Sample Date			10/21/99	10/21/99	1/22/00	10/20/97	10/20/97	3/13/99	8/3/99
Semivolatiles/PAHs (µg/L)			**NA**	**NA**	**NA**				**NA**
1-Methylnaphthalene	20					NA	NA	NA	
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140						2 J		
2-Methylnaphthalene	20								
2-Methylphenol	35						1 J		
4-Methylphenol	4						3 J		
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10						2 J		
Pesticides/PCBs (µg/L)			**(e)**	**(e)**	**(e)**			**(e)**	**(e)**
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								0.047 J
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2		0.034 J						
Toxaphene	3								
Herbicides (µg/L)									
2,4,5-TP (Silvex)	50								
2,4-D	70								
2,4-DB	56					0.44 J	0.33 J		
Dalapon	200								
Dicamba	210								
Dichloroprop	35						3.1 J		
Dinoseb	7								
MCPA	3.5					870 J	670 J		
MCPP	7					840 J			
Pentachlorophenol	1								NA
Inorganics (µg/L)									
Aluminum	200	4067				731	781	1810	2140 J
Antimony	6	4.1							
Arsenic	50	5	30	30.8	20.5				
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	55.4	55	55.4	1.8 J	2.4 J		
Cadmium	5	5.6							
Calcium	*	36830	94400	93700	97700	5830	6350	7500	10100
Chromium	100	7.8				1.3 J	1.1 J		
Cobalt	420	*							
Copper	1000	5.4							3.8
Iron	300	1227	285	283	331				
Lead	15	4							
Magnesium	*	4560	6550	6530	5790			1630	2240
Manganese	50	17	18.1	19.4	22.1				
Mercury	2	0.12							
Nickel	100	*							1.6
Potassium	*	5400	5200	5140	6310			2970	2500 J
Selenium	50	9.7						3.5	
Silver	100	*				1.1 J			
Sodium	160000	18222	1520	1520				2500	5690
Vanadium	49	20.6	0.58			0.73 J	0.73 J		
Zinc	5000	4							43.6
General Chemistry (mg/L)			**NA**	**NA**	**NA**		**NA**	**NA**	**NA**
Total Organic Carbon						34.5			
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-02		OLD-09-03				
Sample ID			NTC09G0212	NTC09G00213	09G00302	NTC09G00311	NTC09G0312	NTC09G0312-D	NTC09G00313
Lab ID	Florida	NTC	A9J230148006	A0A250128005	872938	A9H050202001	A9J210231001	A9J210231002	A0A250149003
Sample Date	GCTL[b]	BGSV[c]	10/22/99	1/22/00	10/20/97	8/4/99	10/20/99	10/20/99	1/23/00
Semivolatiles/PAHs (µg/L)			NA	NA					
1-Methylnaphthalene	20				NA		NA	NA	
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								8.9 J
Naphthalene	20				1 J				
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)			(e)	(e)		(e)	(e)	(e)	(e)
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1				0.0039 J				
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)									
2,4,5-TP (Silvex)	50								
2,4-D	70				0.0035 J				
2,4-DB	56				0.17 J				
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7								
MCPA	3.5								
MCPP	7								
Pentachlorophenol	1						NA	NA	
Inorganics (µg/L)									
Aluminum	200	4067	1510	1380	471	452 J	455	472	350
Antimony	6	4.1							
Arsenic	50	5							
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	2.7		4 J		2.2	2.9	2.4
Cadmium	5	5.6							
Calcium	*	36830	5540	6710	10600	11200	11000	11300	11100
Chromium	100	7.8	2.7		0.88 J				
Cobalt	420	*						0.82	
Copper	1000	5.4				0.96			
Iron	300	1227	121				131	139	133
Lead	15	4	1.8						
Magnesium	*	4560	1230	1520		2230	2300	2370	2160
Manganese	50	17							
Mercury	2	0.12							
Nickel	100	*							
Potassium	*	5400	3580	3140		3420 J	3650	3770	3510
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222	4200			2710	2360	2530	1980
Vanadium	49	20.6	1.5					0.7	
Zinc	5000	4							
General Chemistry (mg/L)			NA	NA		NA	NA	NA	NA
Total Organic Carbon					47.5				
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-04					
Sample ID			09F00402	09G00402	NTC09G00410	NTC09G00411	NTC09G0412	NTC09G00413
Lab ID	Florida	NTC	872971	872975	F3846-10	A9H050202003	A9J220158004	A0A250149001
Sample Date	GCTL[b]	BGSV[c]	10/21/97	2/12/98	3/13/99	8/4/99	10/21/99	1/22/00
Semivolatiles/PAHs (µg/L)			**NA**					
1-Methylnaphthalene	20			NA	NA	3.9 J	NA	2.5
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5			**2 J**				
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20			14 J		2 J		1.7 J
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							0.74 J
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20			6 J	3.3 J	0.96 J		3
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			**NA**		**(e)**	**(e)**	**(e)**	**(e)**
4,4'-DDD	0.1			0.088 J				
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005			**0.051 J**				
alpha-BHC	0.2							
alpha-Chlordane[d]	2				0.34 J			0.15 J
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42			0.094 J				
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2			0.011 J				
gamma-Chlordane[d]	2			0.67	0.43 J			0.063
Toxaphene	3							
Herbicides (µg/L)			**NA**					
2,4,5-TP (Silvex)	50							
2,4-D	70			0.099 J				0.085 J
2,4-DB	56			1.8 J				
Dalapon	200					9.9 J		
Dicamba	210						0.4 J	0.14 J
Dichloroprop	35							
Dinoseb	7			0.098 J				0.19 J
MCPA	3.5			**3100 J**				
MCPP	7			**1900 J**		**170 J**	**520**	
Pentachlorophenol	1						0.06 J	
Inorganics (µg/L)								
Aluminum	200	4067	373	448	176		253	29.5
Antimony	6	4.1	3.5 J					
Arsenic	50	5	**232**	**264**	**186 J**	**1370**	**650**	**225**
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	8.6 J	8.6 J		17.8	9.5	12.1
Cadmium	5	5.6						
Calcium	*	36830	48000	43800	41600	52100	30800	42800
Chromium	100	7.8	1.7 J	1.6 J				
Cobalt	420	*	0.75 J					
Copper	1000	5.4	42.7	56		4.2	3.2	
Iron	300	1227	**1380**	**1290**	861	**6350**	**1940**	**2160**
Lead	15	4	4.2	6.1				
Magnesium	*	4560			2020	3000	1980	3260
Manganese	50	17	**62.7**	**53.7**	**63.1**	**79.9**	35.3	**58**
Mercury	2	0.12	0.12 J	0.11 J				
Nickel	100	*	2 J	2.2 J				
Potassium	*	5400			6680	7490 J	5550	7430
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222			1700	1440	678	1050
Vanadium	49	20.6	1.5 J	0.99 J				
Zinc	5000	4						
General Chemistry (mg/L)			**NA**		**NA**	**NA**	**NA**	**NA**
Total Organic Carbon				54.6				
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-05						
Sample ID			09G00501	NTC09G00510	NTC09G00510-D	NTC09G00511	NTC09G0512	NTC09G00513	NTC09G00513-D
Lab ID	Florida GCTL[b]	NTC BGSV[c]	872976	F3849-6	F3849-7	A9H040126007	A9J230148001	A0A250128001	A0A250128003
Sample Date			10/21/97	3/15/99	3/15/99	8/3/99	10/22/99	1/22/00	1/22/00
Semivolatiles/PAHs (µg/L)						NA	NA	NA	NA
1-Methylnaphthalene	20		NA	NA	NA				
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)				(e)	(e)	(e)	(e)	(e)	(e)
4,4'-DDD	0.1		0.029 J						
4,4'-DDE	0.1		0.0081 J						
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2		0.11 J						
delta-BHC	2.1		0.021 J						
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2		0.022 J						
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2		0.0076 J						
gamma-Chlordane[d]	2		0.17						
Toxaphene	3								
Herbicides (µg/L)									
2,4,5-TP (Silvex)	50								
2,4-D	70		0.11 J						
2,4-DB	56		0.83 J						
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7								
MCPA	3.5		**2900 J**						
MCPP	7		**830 J**					**67 J**	**32 J**
Pentachlorophenol	1					NA			
Inorganics (µg/L)									
Aluminum	200	4067	224						
Antimony	6	4.1				3.1			
Arsenic	50	5	**61.3**	**152**	**153**	**475**	**101**	**72.4**	**72.3**
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	7.6 J			8.8	28.1	9	9
Cadmium	5	5.6							
Calcium	*	36830	53400	62500 J	64300 J	94500	105000	70900	68300
Chromium	100	7.8	1.4 J						
Cobalt	420	*							
Copper	1000	5.4							
Iron	300	1227	188	962 J	966 J		157		
Lead	15	4		1.6	2.1				
Magnesium	*	4560		5080 J	5210 J	5870	6580	6090	5870
Manganese	50	17	11.3 J	27.4 J	27.8 J	12	33.6		
Mercury	2	0.12						0.052	
Nickel	100	*							
Potassium	*	5400		12100 J	12000 J	8570 J	4610	9830	9380
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222		3630	3910	3620	2710		
Vanadium	49	20.6	3.4 J				0.59	2.5	2.4
Zinc	5000	4				55.2			
General Chemistry (mg/L)				NA	NA	NA	NA	NA	NA
Total Organic Carbon			33.1						
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-06					
Sample ID			09F00601	09G00601	NTC09G00610	NTC09G00611	NTC09G0612	NTC09G00613
Lab ID	Florida	NTC	872655	872659	F3654-1	A9H040126003	A9J230148003	A0A250128007
Sample Date	GCTL[b]	BGSV[c]	10/17/97	10/17/97	3/16/99	8/3/99	10/22/99	1/22/00
Semivolatiles/PAHs (µg/L)			NA			NA	NA	NA
1-Methylnaphthalene	20			NA	NA			
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			NA		(e)	(e)	(e)	(e)
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1			0.0067 J				
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005			**0.012 J**				
Endosulfan	42							
Endosulfan II[d]	42			0.0093 J				
Endosulfan Sulfate	*							
Endrin	2			0.019 J				
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2			0.03 J				
Toxaphene	3							
Herbicides (µg/L)			NA					
2,4 5-TP (Silvex)	50							
2,4-D	70			0.9 J				
2,4-DB	56							
Dalapon	200							
Dicamba	210							
Dichloroprop	35						**120 J**	
Dinoseb	7							
MCPA	3.5							
MCPP	7							
Pentachlorophenol	1					NA		
Inorganics (µg/L)								
Aluminum	200	4067		538	797			
Antimony	6	4.1	5.1 J					
Arsenic	50	5	**51.5**	**53**	**54.6**	**191**	**94.1**	42.9
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	13.7 J	9.5 J		11	27.2	8.2
Cadmium	5	5.6						
Calcium	*	36830	53400	55000	21000 J	62600	72300	43000
Chromium	100	7.8	0.85 J	1 J				
Cobalt	420	*	1.5 J					
Copper	1000	5.4	6.3 J					
Iron	300	1227	740	638	1120 J	465	797	419
Lead	15	4						
Magnesium	*	4560			2360 J	3090	2620	3220
Manganese	50	17	39	32.9	39.6 J	35.4	**56.3**	**63.6**
Mercury	2	0.12						
Nickel	100	*	2.7 J					
Potassium	*	5400			2820	3010 J	8440	3980
Selenium	50	9.7						
Silver	100	*	0.95 J					
Sodium	160000	18222			2740	2340	4140	
Vanadium	49	20.6	1.7 J	0.86 J			0.92	
Zinc	5000	4						
General Chemistry (mg/L)			NA		NA	NA	NA	NA
Total Organic Carbon				24.3				
Total Suspended Solids				20				

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-07					
Sample ID			09F00701	09G00701	NTC09G00710	NTC09G00711	NTC09G0712	NTC09G00713
Lab ID	Florida	NTC	872972	872977	F3854-4	A9H040126001	A9J260203001	A0A250128002
Sample Date	GCTL[b]	BGSV[c]	10/21/97	10/21/97	3/16/99	8/3/99	10/23/99	1/22/00
Semivolatiles/PAHs (µg/L)			**NA**			**NA**	**NA**	**NA**
1-Methylnaphthalene	20			NA	NA			
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			**NA**		**(e)**	**(e)**	**(e)**	**(e)**
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)			**NA**					
2,4,5-TP (Silvex)	50							
2,4-D	70			0.0047 J				
2,4-DB	56			0.18 J				
Dalapon	200							
Dicamba	210					0.87 J		
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7			**1100 J**		**910 J**		
Pentachlorophenol	1					NA		
Inorganics (µg/L)								
Aluminum	200	4067	1600	2040	1500	1180 J	547	586
Antimony	6	4.1						
Arsenic	50	5				5.3	2.3	3
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	11.5 J	13.8 J			6.4	5.1
Cadmium	5	5.6						
Calcium	*	36830			10200 J	10200	8760	8000
Chromium	100	7.8	2.6 J	3.7 J		8.6		
Cobalt	420	*		1.1 J				
Copper	1000	5.4				5.1	4.1	
Iron	300	1227	**1640**	**1870**	**1840 J**		470	
Lead	15	4					1.4	
Magnesium	*	4560			1760 J	1110	790	826
Manganese	50	17	38.4	48.9	19.7 J			
Mercury	2	0.12						
Nickel	100	*	4.9 J	5.4 J		5.8		
Potassium	*	5400			2360	588 J	895	968
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222			3950	6340	1450	
Vanadium	49	20.6	0.8 J	1.3 J			1.7	3.1
Zinc	5000	4				70.4	33 J	37.6
General Chemistry (mg/L)			**NA**		**NA**	**NA**	**NA**	**NA**
Total Organic Carbon				41.1				
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-08	OLD-09-09	OLD-09-10				
Sample ID			09G00801	09G00901	09G01001	NTC09G01010	NTC09G01011	NTC09G1012	NTC09G01013
Lab ID	Florida GCTL[b]	NTC BGSV[c]	873307	873310	872978	F3849-5	A9H040126008	A9J220158001	A0A250149004
Sample Date			10/24/97	10/24/97	10/21/97	3/15/99	8/3/99	10/21/99	1/23/00
Semivolatiles/PAHs (µg/L)							NA	NA	NA
1-Methylnaphthalene	20		NA	NA	NA	NA			
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20								
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)						(e)	(e)	(e)	(e)
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)									
2,4,5-TP (Silvex)	50								
2,4-D	70		0.21 J	0.24 J					
2,4-DB	56				0.14 J				
Dalapon	200								
Dicamba	210								
Dichloroprop	35		0.59 J	0.37 J					
Dinoseb	7			0.099 J					
MCPA	3.5							37 J	
MCPP	7								
Pentachlorophenol	1						NA		
Inorganics (µg/L)									
Aluminum	200	4067	290	243	212	502			228
Antimony	6	4.1		3.5 J					
Arsenic	50	5							
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	12.5 J		5.4 J			24.8	8.2
Cadmium	5	5.6							
Calcium	*	36830	17900	31100	33700	23900 J	44700	81800	41300
Chromium	100	7.8			0.91 J				
Cobalt	420	*		1 J					
Copper	1000	5.4	0.76 J	2.6 J					
Iron	300	1227	1000	200	1030	959 J	570	630	1030
Lead	15	4							2.5
Magnesium	*	4560				2690 J	2960	4640	2380
Manganese	50	17	**53.6**	3 J	16.7	18.5 J	17.4	18.4	
Mercury	2	0.12							
Nickel	100	*							
Potassium	*	5400				3000 J	2100 J	3420	4400
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222				2880	4020	3380	1980
Vanadium	49	20.6	0.91 J	1.8 J				0.83	
Zinc	5000	4					43.8	83.1	121
General Chemistry (mg/L)						NA	NA	NA	NA
Total Organic Carbon			47.8	62.3	28				
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-11					
Sample ID			09G01101	NTC09G01110	NTC09G01111	NTC09G01111-D	NTC09G1112	NTC09G01113
Lab ID	Florida	NTC	872979	F3854-5	A9H040126004	A9H040126005	A9J210231003	A0A250128008
Sample Date	GCTL[b]	BGSV[c]	10/21/97	3/16/99	8/3/99	8/3/99	10/20/99	1/22/00
Semivolatiles/PAHs (µg/L)					NA	NA	NA	NA
1-Methylnaphthalene	20		NA	NA				
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)				(e)	(e)	(e)	(e)	(e)
4,4'-DDD	0.1							
4,4'-DDE	0.1		0.0051 J					
4,4'-DDT	0.1		0.0092 J					
Aldrin	0.005							
alpha-BHC	0.2		0.0042 J					
alpha-Chlordane[d]	2					0.3 J	0.062 J	0.021 J
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*		0.078 J					
gamma-BHC (Lindane)	0.2		0.034 J	**0.40**	0.18 J	0.19 J	0.057 J	0.034 J
gamma-Chlordane[d]	2					0.21 J		
Toxaphene	3							
Herbicides (µg/L)								
2,4,5-TP (Silvex)	50							
2,4-D	70		1.4 J					
2,4-DB	56		1 J					
Dalapon	200							
Dicamba	210							
Dichloroprop	35							
Dinoseb	7							
MCPA	3.5							
MCPP	7		**1200 J**					**72 J**
Pentachlorophenol	1				NA	NA	NA	
Inorganics (µg/L)								
Aluminum	200	4067	539					
Antimony	6	4.1			2.7	4		
Arsenic	50	5	**93.9**	**71.5**	**160**	**180**	44.9	41.4
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	6.8 J		18.1	18	10.5	16.3
Cadmium	5	5.6						
Calcium	*	36830	36900	32100 J	55000	54700	70800	74300
Chromium	100	7.8	1 J	43.6	11.4			
Cobalt	420	*						
Copper	1000	5.4						
Iron	300	1227	570	**1520 J**	**1490**	**1420**	833	**2220**
Lead	15	4					1.9	
Magnesium	*	4560		2100 J	2740	2720	3190	4020
Manganese	50	17	11.6 J	**121 J**	22.3	21.5	25.7	34.5
Mercury	2	0.12						
Nickel	100	*		24.2	9.2			
Potassium	*	5400		6230	9220 J	9320 J	10200	9790
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222		2940	1240	1320	6440	
Vanadium	49	20.6					0.99	
Zinc	5000	4						
General Chemistry (mg/L)				NA	NA	NA	NA	NA
Total Organic Carbon			36					
Total Suspended Solids			28					

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-12						
Sample ID			09G01201	NTC09G01210	NTC09G01210-D	NTC09G01211	NTC09G01211-D	NTC09G1212	NTC09G01213
Lab ID	Florida GCTL[b]	NTC BGSV[c]	872980	F3854-6	F3854-7	A9H030173002	A9H030173004	A9J230148005	A0A250149005
Sample Date			10/21/97	3/16/99	3/16/99	8/2/99	8/2/99	10/22/99	1/23/00
Semivolatiles/PAHs (µg/L)									
1-Methylnaphthalene	20		NA	NA	NA			NA	0.58 J
2,4,6-Trichlorophenol	3.2		2 J						
2,4-Dichlorophenol	0.5		**200**	**13.2**	**13.3**	**45**	**30**	**4.9 J**	**11**
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								0.67 J
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20		8 J	4.3 J	3.7 J	2.4	2.4		1.9 J
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)				(e)	(e)	(e)	(e)	(e)	(e)
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2		**1 J**	**2.1**	**2.3**	**2.5 J**		**0.39**	**1.4**
alpha-Chlordane[d]	2		0.028 J						
delta-BHC	2.1		0.3						
Dieldrin	0.005								
Endosulfan	42		0.046 J						
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2		**0.89**	**3.0**	**3.2**	**1.9 J**	**1.7 J**	**0.46**	**1.5**
gamma-Chlordane[d]	2		0.013 J						
Toxaphene	3								
Herbicides (µg/L)				NA					
2,4,5-TP (Silvex)	50					1.6 J	1.5 J		0.62 J
2,4-D	70		**110 J**			33 J	31 J		8
2,4-DB	56								
Dalapon	200						21 J		
Dicamba	210								
Dichloroprop	35								
Dinoseb	7								
MCPA	3.5		**750 J**						
MCPP	7		**1500 J**			**190 J**	**220 J**		
Pentachlorophenol	1								
Inorganics (µg/L)									
Aluminum	200	4067	1030	1830	1340	1040 J	1710 J	103	477
Antimony	6	4.1							
Arsenic	50	5	**138**	**135**	**136**	**141**	**147**	**53.8**	**127**
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	10.3 J			9.1	13.1	22.4	5
Cadmium	5	5.6							
Calcium	*	36830	11700	15700 J	15700 J	15900	16500	81100	9780
Chromium	100	7.8	3.3 J						
Cobalt	420	*						0.83	
Copper	1000	5.4	6.1 J				3.5	1.7	
Iron	300	1227	540	**1390 J**	786 J	629	762	477	317
Lead	15	4	1.9 J						
Magnesium	*	4560		2340 J	2340 J	2220	2280	3990	1520
Manganese	50	17	24.9	19.0 J	20.9 J	8.3	10.2	**134**	15.1
Mercury	2	0.12							
Nickel	100	*	3.4 J						
Potassium	*	5400		11100	11400	13200 J	13200 J	5980	11000
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222		2560	2510	2320	5850	1370	940
Vanadium	49	20.6	0.79 J					1.8	
Zinc	5000	4				75.5	92		49.6
General Chemistry (mg/L)				NA	NA	NA	NA	NA	NA
Total Organic Carbon			38.5						
Total Suspended Solids									

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-13		OLD-09-14				
Sample ID			09G01301	NTC09G01310	09G01401	09G01401D	NTC09G01410	NTC09G01411	NTC09G1412
Lab ID	Florida	NTC	872981	F3854-3	876803	876821	F3849-4	A9H030173001	A9J230148004
Sample Date	GCTL[b]	BGSV[c]	10/21/97	3/16/99	12/4/97	12/4/97	3/15/99	8/1/99	10/22/99
Semivolatiles/PAHs (µg/L)									
1-Methylnaphthalene	20		NA	NA			NA		NA
2,4,6-Trichlorophenol	3.2								
2,4-Dichlorophenol	0.5								
2,4-Dimethylphenol	140								
2-Methylnaphthalene	20								
2-Methylphenol	35								
4-Methylphenol	4								
Acenaphthene	20								
Bis(2-ethylhexyl)phthalate	6								
Naphthalene	20		2 J		**160 D**		**67.5**	2.1	4.8 J
Pentachlorophenol	1								
Phenol	10								
Pesticides/PCBs (µg/L)				(e)			(e)	(e)	(e)
4,4'-DDD	0.1								
4,4'-DDE	0.1								
4,4'-DDT	0.1								
Aldrin	0.005								
alpha-BHC	0.2								
alpha-Chlordane[d]	2								
delta-BHC	2.1								
Dieldrin	0.005								
Endosulfan	42								
Endosulfan II[d]	42								
Endosulfan Sulfate	*								
Endrin	2								
Endrin Aldehyde	*								
gamma-BHC (Lindane)	0.2								
gamma-Chlordane[d]	2								
Toxaphene	3								
Herbicides (µg/L)									
2,4,5-TP (Silvex)	50								
2,4-D	70		0.0012 J		0.26 J				
2,4-DB	56		0.38 J		0.21 J				
Dalapon	200								
Dicamba	210								
Dichloroprop	35								
Dinoseb	7								
MCPA	3.5				**890 J**	**840 J**			
MCPP	7								
Pentachlorophenol	1								
Inorganics (µg/L)									
Aluminum	200	4067	353	536	315	294	448		509
Antimony	6	4.1							
Arsenic	50	5							
Arsenic (III)									
Arsenic (v)									
Barium	2000	31.4	19.7 J		47.2 J	38 J		18.1	25.2
Cadmium	5	5.6							
Calcium	*	36830			105000	80800	12900 J	45800	37600
Chromium	100	7.8	1.3 J						4.6
Cobalt	420	*	0.88 J		1.7 J	2.1 J			
Copper	1000	5.4			4.5 J	5.6 J			
Iron	300	1227	**2400**	741 J	430	451			786
Lead	15	4					1.6		
Magnesium	*	4560		882 J	9780	7410	1230 J	4620	4000
Manganese	50	17	**82.9**	29.4 J	**159**	**145**	27.6 J		**120**
Mercury	2	0.12							
Nickel	100	*	3.5 J		9.9 J	9.4 J		5	
Potassium	*	5400						574 J	2340
Selenium	50	9.7							
Silver	100	*							
Sodium	160000	18222		7400			5050	32200	16600
Vanadium	49	20.6	1.3 J		1.6 J	1.6 J			3.1
Zinc	5000	4							
General Chemistry (mg/L)				NA		NA	NA	NA	NA
Total Organic Carbon			10.1		21.2				
Total Suspended Solids					7				

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-14		OLD-09-15			
Sample ID			NTC09G01413	NTC09G01413-D	09F01501	09G01501	NTC09G01510	NTC09G01511
Lab ID	Florida GCTL[b]	NTC BGSV[c]	A0A250149006	A0A250149009	876945	876940	F3846-5	A9H030173003
Sample Date			1/23/00	1/23/00	12/5/97	12/5/97	3/13/99	8/2/99
Semivolatiles/PAHs (µg/L)					NA			
1-Methylnaphthalene	20			0.44 J			NA	
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20		9.9	7.7		5 J	11.2	6.7 J
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			(e)	(e)	NA		(e)	(e)
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42					0.0075 J		
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)					NA			
2,4 5-TP (Silvex)	50							
2,4-D	70					0.068 J		
2,4-DB	56					0.18 J		
Dalapon	200							
Dicamba	210							
Dichloroprop	35					0.42 J		
Dinoseb	7							
MCPA	3.5							
MCPP	7							
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067	312	615	872	3260	470	
Antimony	6	4.1						
Arsenic	50	5						
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	47.8	54.6	13.3 J	18.3 J		
Cadmium	5	5.6						
Calcium	*	36830	59600	67100	8060	9800		
Chromium	100	7.8		3.2				
Cobalt	420	*			0.63 J	0.8 J		
Copper	1000	5.4			4.4 J	7.2 J		
Iron	300	1227	828	941	284	374		
Lead	15	4				2.8 J		
Magnesium	*	4560	6250	6850			807	
Manganese	50	17	**98.7**	**109**	46.4	**55.7**	9.7	
Mercury	2	0.12						
Nickel	100	*	2.5	4.1	5.6 J	7.5 J		
Potassium	*	5400	1480	1620				
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222	32200	35100	7890		6970	5320
Vanadium	49	20.6	2.8	3.3	0.93 J	1.9 J		
Zinc	5000	4						
General Chemistry (mg/L)			NA	NA	NA		NA	NA
Total Organic Carbon						25.3		
Total Suspended Solids						58		

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-15		OLD-09-16			
Sample ID			NTC09G1512	NTC09G01513	09F01601	09G01601	NTC09G01610	NTC09G01611
Lab ID	Florida	NTC	A9J230148002	A0A250149007	876946	876941	F3846-6	A9H040126006
Sample Date	GCTL[b]	BGSV[c]	10/22/99	1/23/00	12/5/97	12/5/97	3/13/99	8/3/99
Semivolatiles/PAHs (µg/L)					NA			NA
1-Methylnaphthalene	20		NA			NA	NA	
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20		8 J	5				
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			(e)	(e)	NA		(e)	(e)
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)					NA			
2,4 5-TP (Silvex)	50							
2,4-D	70							
2,4-DB	56					0.31 J		
Dalapon	200							
Dicamba	210							
Dichloroprop	35					0.36 J		
Dinoseb	7					0.12 J		
MCPA	3.5					920 J		
MCPP	7					0.36 J		
Pentachlorophenol	1							NA
Inorganics (µg/L)								
Aluminum	200	4067	421	1470	405	1840	443	1670 J
Antimony	6	4.1						
Arsenic	50	5			2.4 J	2.2 J		
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	5.3	9.6	10.5 J	17.8 J		22.3
Cadmium	5	5.6						
Calcium	*	36830			13100	15000	5740	8250
Chromium	100	7.8						
Cobalt	420	*			0.75 J	0.55 J		
Copper	1000	5.4			4 J	5.1 J		2.6
Iron	300	1227	312	1300		249	1320	637
Lead	15	4						
Magnesium	*	4560	602	709			750	1220
Manganese	50	17		34	44.5	70.8	69.0	41.5
Mercury	2	0.12						
Nickel	100	*			3 J	5.1 J		2.8
Potassium	*	5400		151			584	586 J
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222	5650	10900			9040	12000
Vanadium	49	20.6	0.53		3.1 J	5.1 J		
Zinc	5000	4						41.5
General Chemistry (mg/L)			NA	NA	NA		NA	NA
Total Organic Carbon						22		
Total Suspended Solids						4		

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-16		OLD-09-17			
Sample ID			NTC09G1612	NTC09G01613	09G01701	NTC09G01711	NTC09G1712	NTC09G01713
Lab ID	Florida	NTC	A9J220158009	A0A250149008	882644	A9H040126002	A9J260203002	A0A250149002
Sample Date	GCTL[b]	BGSV[c]	10/21/99	1/23/00	2/12/98	8/3/99	10/23/99	1/22/00
Semivolatiles/PAHs (µg/L)			NA	NA	NA	NA	NA	NA
1-Methylnaphthalene	20							
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			(e)	(e)	NA	(e)	(e)	(e)
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)								
2,4,5-TP (Silvex)	50							
2,4-D	70				0.32 J			
2,4-DB	56				0.55 J			
Dalapon	200				0.69 J			
Dicamba	210							
Dichloroprop	35				0.29 J			
Dinoseb	7							
MCPA	3.5		33 J		680 J			
MCPP	7						74 J	
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067	309	264	349			260
Antimony	6	4.1						2
Arsenic	50	5			4.3 J	8.3	5.4	14.3
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	12.6	15.5			19.4	5.3
Cadmium	5	5.6						
Calcium	*	36830	4500	4660		42500	74000	28500
Chromium	100	7.8						
Cobalt	420	*						
Copper	1000	5.4				1.3	1.8	
Iron	300	1227	572	1080	53.6 J			92.6
Lead	15	4						
Magnesium	*	4560	990	1070			821	569
Manganese	50	17	30	38.3				
Mercury	2	0.12						
Nickel	100	*			1.4 J	1.7		
Potassium	*	5400	693	679		2950 J	554	906
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222	8620	9040		1300		1050
Vanadium	49	20.6	3.2	2.5	4.3 J	8.9	4.8	5.9
Zinc	5000	4						
General Chemistry (mg/L)			NA	NA	NA	NA	NA	NA
Total Organic Carbon								
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	Screening Criteria[a]		OLD-09-18			OLD-09-19		
Sample ID			09G01801	09G01801D	NTC09G01810	NTC09G01911	NTC09G1912	NTC09G01913
Lab ID	Florida	NTC	882638	882641	F3854-2	A9H050202004	A9J300126002	A0A250128006
Sample Date	GCTL[b]	BGSV[c]	2/12/98	2/12/98	3/16/99	8/4/99	10/27/99	1/22/00
Semivolatiles/PAHs (µg/L)			**NA**	**NA**				**NA**
1-Methylnaphthalene	20				NA		NA	
2,4,6-Trichlorophenol	3.2							
2,4-Dichlorophenol	0.5							
2,4-Dimethylphenol	140							
2-Methylnaphthalene	20							
2-Methylphenol	35							
4-Methylphenol	4							
Acenaphthene	20							
Bis(2-ethylhexyl)phthalate	6							
Naphthalene	20							
Pentachlorophenol	1							
Phenol	10							
Pesticides/PCBs (µg/L)			**NA**	**NA**	**(e)**	**(e)**	**NA**	**(e)**
4,4'-DDD	0.1							
4,4'-DDE	0.1							
4,4'-DDT	0.1							
Aldrin	0.005							
alpha-BHC	0.2							
alpha-Chlordane[d]	2							
delta-BHC	2.1							
Dieldrin	0.005							
Endosulfan	42							
Endosulfan II[d]	42							
Endosulfan Sulfate	*							
Endrin	2							
Endrin Aldehyde	*							
gamma-BHC (Lindane)	0.2							
gamma-Chlordane[d]	2							
Toxaphene	3							
Herbicides (µg/L)								
2,4,5-TP (Silvex)	50							
2,4-D	70							
2,4-DB	56							
Dalapon	200		0.3 J					
Dicamba	210							
Dichloroprop	35		0.24 J	0.12 J				
Dinoseb	7							
MCPA	3.5		**630 J**	**460 J**				
MCPP	7							
Pentachlorophenol	1							
Inorganics (µg/L)								
Aluminum	200	4067	567	667	2180	**7740 J**	402	693
Antimony	6	4.1				**17.7**		
Arsenic	50	5						
Arsenic (III)								
Arsenic (v)								
Barium	2000	31.4	20.8 J	23.4 J		51.5	18.1 J	20.8
Cadmium	5	5.6						
Calcium	*	36830				51600	29300	23300
Chromium	100	7.8	1.5 J	1.9 J		3.4	1.4	
Cobalt	420	*						
Copper	1000	5.4				6.6		
Iron	300	1227	**4680**	**5490**	753 J	**1290**	645	762
Lead	15	4						
Magnesium	*	4560			997 J	1660	3210	2400
Manganese	50	17					37.9	31.5
Mercury	2	0.12						
Nickel	100	*					1.7	
Potassium	*	5400					1600	1700
Selenium	50	9.7						
Silver	100	*						
Sodium	160000	18222			7670	8260	7080	7740
Vanadium	49	20.6	1.6 J	1.6 J			5.1	7.3
Zinc	5000	4						
General Chemistry (mg/L)					**NA**	**NA**	**NA**	**NA**
Total Organic Carbon			7.05	5.94				
Total Suspended Solids								

TABLE 4

HISTORICAL DETECTIONS IN GROUNDWATER
OPERABLE UNIT 3 – STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

* Indicates that the screening value is not available.
"D" qualifier indicates the reported value is from a dilution.
Empty cells indicate non-detects.
"J" qualifier indicates an estimated value.
NA Not analyzed.
Only chemicals detected in at least one sample are shown.
Values in shaded cells are equal to or exceed the screening criteria.

(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) Screening Criteria Substitution – Chlordane for alpha-Chlordane and gamma-Chlordane, and Endosulfan for Endosulfan II.
(e) PCBs not analyzed for.

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-08-01	OLD-08-02	OLD-08-03	OLD-08-04
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G00113	NTC08G00213	NTC08G00313	NTC08G00413
LAB ID				A0A240125001	A0A240125002	A0A240125003	A0A240125004
SAMPLE DATE				1/19/00	1/19/00	1/19/00	1/19/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA	NA
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	560		NA	NA	NA	NA
2-Chlorophenol	95-57-8	35		NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA	NA
2-Nitroaniline	88-74-4	50		NA	NA	NA	NA
2-Nitrophenol	88-75-5	*		NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA	NA
3-Nitroaniline	99-09-2	50		NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA	NA
4-Chloroaniline	106-47-8	28		NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA	NA
4-Methylphenol	106-44-5	4		NA	NA	NA	NA
4-Nitroaniline	100-01-6	21		NA	NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA	NA
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA	NA
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA	NA
Carbazole	86-74-8	4		NA	NA	NA	NA
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA	NA
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA	NA
Dibenzofuran	132-64-9	28		NA	NA	NA	NA
Diethyl Phthalate	84-66-2	5600		NA	NA	NA	NA
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA	NA
Hexachlorobenzene	118-74-1	1		NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA	NA
Hexachloroethane	67-72-1	2.5		NA	NA	NA	NA
Isophorone	78-59-1	37		NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	7.1		NA	NA	NA	NA
Nitrobenzene	98-95-3	4		NA	NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA	NA
Phenol	108-95-2	10		NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	20		NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA
Acenaphthene	83-32-9	20		NA	NA	NA	NA
Acenaphthylene	208-96-8	210		NA	NA	NA	NA
Anthracene	120-12-7	2100		NA	NA	NA	NA
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA	NA
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA	NA
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA	NA
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA	NA
Chrysene	218-01-9	4.8		NA	NA	NA	NA
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA	NA
Fluoranthene	206-44-0	280		NA	NA	NA	NA
Fluorene	86-73-7	280		NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA	NA
Naphthalene	91-20-3	20		NA	NA	NA	NA
Phenanthrene	85-01-8	210		NA	NA	NA	NA
Pyrene	129-00-0	210		NA	NA	NA	NA

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-08-01	OLD-08-02	OLD-08-03	OLD-08-04
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G00113	NTC08G00213	NTC08G00313	NTC08G00413
LAB ID				A0A240125001	A0A240125002	A0A240125003	A0A240125004
SAMPLE DATE				1/19/00	1/19/00	1/19/00	1/19/00
4,4'-DDD	72-54-8	0.1		NA	NA	NA	NA
4,4'-DDE	72-55-9	0.1		NA	NA	NA	NA
4,4'-DDT	50-29-3	0.1		NA	NA	NA	NA
Aldrin	309-00-2	0.005		NA	NA	NA	NA
alpha-BHC	319-84-6	0.2		NA	NA	NA	NA
alpha-Chlordane[d]	5103-71-9	2		NA	NA	NA	NA
Beta-BHC	319-85-7	0.02		NA	NA	NA	NA
Delta-BHC	319-86-8	2.1		NA	NA	NA	NA
Dieldrin	60-57-1	0.005		NA	NA	NA	NA
Endosulfan	115-29-7	42		NA	NA	NA	NA
Endosulfan II[d]	33213-65-9	42		NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	*		NA	NA	NA	NA
Endrin	72-20-8	2		NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	*		NA	NA	NA	NA
Endrin Ketone	53494-70-5	*		NA	NA	NA	NA
gamma-BHC (Lindane)	58-89-9	0.2		NA	NA	NA	NA
gamma-Chlordane[d]	12789-03-6	2		NA	NA	NA	NA
Heptachlor	76-44-8	0.4		NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	0.2		NA	NA	NA	NA
Methoxychlor	72-43-5	40		NA	NA	NA	NA
Toxaphene	8001-35-2	3		NA	NA	NA	NA
2,4,5-TP (SILVEX)	93-72-1	50		NA	NA	NA	NA
2,4,5-T	93-76-5	70		NA	NA	NA	NA
2,4-D	94-75-7	70		NA	NA	NA	NA
2,4-DB	94-82-6	56		NA	NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA	NA
Dalapon	75-99-0	200		NA	NA	NA	NA
Dicamba	1918-00-9	210		NA	NA	NA	NA
Dichloroprop	120-36-5	35		NA	NA	NA	NA
Dinoseb	88-85-7	7		NA	NA	NA	NA
MCPA	94-74-6	3.5		NA	NA	NA	NA
MCPP	7085-19-0	7		NA	NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA	NA
Aluminum	7429-90-5	200		68.1 U	352	115 U	173 U
Antimony	7440-36-0	6		11.3 U	21.3 U	7.6 U	6.1 U
Arsenic	7440-38-2	50		150	717	248	202
Barium	7440-39-3	2000		6.9	25.3	18.2	3.2
Beryllium	7440-41-7	4		0.2 U	0.2 U	0.21 U	0.2 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		46100	62200	42500	27700
Chromium	7440-47-3	100		4	4.2	6.7	4.3
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		3	2.9 U	3.6	5.1
Iron	7439-89-6	300		76.2	188	479	53.6
Lead	7439-92-1	15		1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	7439-95-4	*		2800	4640	3470	3200
Manganese	7439965	50		10.5	40.3	39.2	22.2
Mercury	7439-97-6	2		0.031 U	0.031 U	0.031 U	0.038 U
Nickel	7440-02-0	100		1.7 U	2.3	33.5	6.9
Potassium	7440-09-7	*		5400	6450	5830	8100
Selenium	7782-49-2	50		4.8 U	5.6 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		1120	2600	1850	1870
Thallium	7440-28-0	2		0.37 U	0.37 U	0.37 U	0.37 U
Vanadium	7440-62-2	49		3.2	2.1 U	2.1 U	2.1 U
Zinc	7440-66-6	5000		41	43.6	568	202

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-08-05	OLD-08-06	OLD-08-08	OLD-08-10	
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G00513	NTC08G00613	NTC08G00813	NTC08G01013	NTC08G01013-D
LAB ID				A0A240125013	A0A240125017	A0A240125014	A0A240125010	A0A240125011
SAMPLE DATE				1/20/00	1/20/00	1/20/00	1/20/00	1/20/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA	NA	NA
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	560		NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	35		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	50		NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	*		NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	50		NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	28		NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA	NA	NA
4-Methylphenol	106-44-5	4		NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	21		NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA	NA	NA
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA	NA	NA
Carbazole	86-74-8	4		NA	NA	NA	NA	NA
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA	NA	NA
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	28		NA	NA	NA	NA	NA
Diethyl Phthalate	84-66-2	5600		NA	NA	NA	NA	NA
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	1		NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	2.5		NA	NA	NA	NA	NA
Isophorone	78-59-1	37		NA	NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	7.1		NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	4		NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA	NA	NA
Phenol	108-95-2	10		NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	20		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
Acenaphthene	83-32-9	20		NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	210		NA	NA	NA	NA	NA
Anthracene	120-12-7	2100		NA	NA	NA	NA	NA
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA	NA	NA
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA	NA	NA
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA	NA	NA
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA	NA	NA
Chrysene	218-01-9	4.8		NA	NA	NA	NA	NA
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA	NA	NA
Fluoranthene	206-44-0	280		NA	NA	NA	NA	NA
Fluorene	86-73-7	280		NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA	NA	NA
Naphthalene	91-20-3	20		NA	NA	NA	NA	NA
Phenanthrene	85-01-8	210		NA	NA	NA	NA	NA
Pyrene	129-00-0	210		NA	NA	NA	NA	NA

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-08-05	OLD-08-06	OLD-08-08	OLD-08-10	
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G00513	NTC08G00613	NTC08G00813	NTC08G01013	NTC08G01013-D
LAB ID				A0A240125013	A0A240125017	A0A240125014	A0A240125010	A0A240125011
SAMPLE DATE				1/20/00	1/20/00	1/20/00	1/20/00	1/20/00
4,4'-DDD	72-54-8	0.1		NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.1		NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	0.1		NA	NA	NA	NA	NA
Aldrin	309-00-2	0.005		NA	NA	NA	NA	NA
alpha-BHC	319-84-6	0.2		NA	NA	NA	NA	NA
alpha-Chlordane[d]	5103-71-9	2		NA	NA	NA	NA	NA
Beta-BHC	319-85-7	0.02		NA	NA	NA	NA	NA
Delta-BHC	319-86-8	2.1		NA	NA	NA	NA	NA
Dieldrin	60-57-1	0.005		NA	NA	NA	NA	NA
Endosulfan	115-29-7	42		NA	NA	NA	NA	NA
Endosulfan II[d]	33213-65-9	42		NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	*		NA	NA	NA	NA	NA
Endrin	72-20-8	2		NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	*		NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	*		NA	NA	NA	NA	NA
gamma-BHC (Lindane)	58-89-9	0.2		NA	NA	NA	NA	NA
gamma-Chlordane[d]	12789-03-6	2		NA	NA	NA	NA	NA
Heptachlor	76-44-8	0.4		NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	0.2		NA	NA	NA	NA	NA
Methoxychlor	72-43-5	40		NA	NA	NA	NA	NA
Toxaphene	8001-35-2	3		NA	NA	NA	NA	NA
2,4,5-TP (SILVEX)	93-72-1	50		NA	NA	1 U	1 U	1 U
2,4,5-T	93-76-5	70		NA	NA	1 U	1 U	1 U
2,4-D	94-75-7	70		NA	NA	4 U	4 U	4 U
2,4-DB	94-82-6	56		NA	NA	4 U	4 U	4 U
4-Nitrophenol	100-02-7	56		NA	NA	**2 U**	**2 U**	**2 U**
Dalapon	75-99-0	200		NA	NA	2 UR	2 UR	2 UR
Dicamba	1918-00-9	210		NA	NA	2 U	2 U	2 U
Dichloroprop	120-36-5	35		NA	NA	4 U	1.1 R	1.2 R
Dinoseb	88-85-7	7		NA	NA	0.6 U	0.6 U	0.6 U
MCPA	94-74-6	3.5		NA	NA	**180 J**	40 U	40 U
MCPP	7085-19-0	7		NA	NA	81 R	40 U	**46 J**
Pentachlorophenol	87-86-5	1		NA	NA	0.1 U	0.1 U	0.1 U
Aluminum	7429-90-5	200		110 U	15.5 U	15.5 U	90.8 U	109 U
Antimony	7440-36-0	6		6.3 U	7.5 U	14.6 U	6.4 U	5.1 U
Arsenic	7440-38-2	50		37.9	**73.4**	**214**	**166**	**172**
Barium	7440-39-3	2000		6.9	2.9	14.3	16.2	16.7
Beryllium	7440-41-7	4		0.2 U	0.2 U	0.2 U	0.36 U	0.24 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		17300	29500	106000	63000	65100
Chromium	7440-47-3	100		6.2	3.6	2.6 U	2.6 U	2.6 U
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		45.4	2.9 U	2.9 U	2.9 U	2.9 U
Iron	7439-89-6	300		134	97.3	43.7 U	521	535
Lead	7439-92-1	15		**15**	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	7439-95-4	*		1450	2070	4080	5110	5270
Manganese	7439965	50		24.8	3.1 U	5.8 U	**85.1**	**87**
Mercury	7439-97-6	2		0.041 U	0.031 U	0.031 U	0.031 U	0.031 U
Nickel	7440-02-0	100		2.3	1.7 U	1.7 U	1.7 U	1.7 U
Potassium	7440-09-7	*		2460	3350	9890	762	783
Selenium	7782-49-2	50		3.1 U	3.1 U	4 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		1940	1670	2270	7660	7930
Thallium	7440-28-0	2		0.37 U	0.37 U	0.37 U	0.37 U	0.37 U
Vanadium	7440-62-2	49		2.9	2.1 U	2.1 U	2.1 U	2.1 U
Zinc	7440-66-6	5000		84.5	20.8 U	11 U	9.7 U	7.8 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-08-11	OLD-08-13	OLD-08-14	OLD-08-15	OLD-08-17
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G01113	NTC08G01313	NTC08G01413	NTC08G01513	NTC08G01713
LAB ID				A0A240125015	A0A250128011	A0A250128012	A0A250128009	A0A240125016
SAMPLE DATE				1/20/00	1/22/00	1/22/00	1/22/00	1/20/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA	NA	NA
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	560		NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	35		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	50		NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	*		NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	50		NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	28		NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA	NA	NA
4-Methylphenol	106-44-5	4		NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	21		NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA	NA	NA
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA	NA	NA
Carbazole	86-74-8	4		NA	NA	NA	NA	NA
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA	NA	NA
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	28		NA	NA	NA	NA	NA
Diethyl Phthalate	84-66-2	5600		NA	NA	NA	NA	NA
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	1		NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	2.5		NA	NA	NA	NA	NA
Isophorone	78-59-1	37		NA	NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	7.1		NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	4		NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA	NA	NA
Phenol	108-95-2	10		NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	20		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
Acenaphthene	83-32-9	20		NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	210		NA	NA	NA	NA	NA
Anthracene	120-12-7	2100		NA	NA	NA	NA	NA
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA	NA	NA
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA	NA	NA
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA	NA	NA
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA	NA	NA
Chrysene	218-01-9	4.8		NA	NA	NA	NA	NA
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA	NA	NA
Fluoranthene	206-44-0	280		NA	NA	NA	NA	NA
Fluorene	86-73-7	280		NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA	NA	NA
Naphthalene	91-20-3	20		NA	NA	NA	NA	NA
Phenanthrene	85-01-8	210		NA	NA	NA	NA	NA
Pyrene	129-00-0	210		NA	NA	NA	NA	NA

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-08-11	OLD-08-13	OLD-08-14	OLD-08-15	OLD-08-17
SAMPLE ID				NTC08G01113	NTC08G01313	NTC08G01413	NTC08G01513	NTC08G01713
LAB ID		Florida GCTL [b]	NTC BGSV [c]	A0A240125015	A0A250128011	A0A250128012	A0A250128009	A0A240125016
SAMPLE DATE				1/20/00	1/22/00	1/22/00	1/22/00	1/20/00
4,4'-DDD	72-54-8	0.1		NA	NA	NA	NA	NA
4,4'-DDE	72-55-9	0.1		NA	NA	NA	NA	NA
4,4'-DDT	50-29-3	0.1		NA	NA	NA	NA	NA
Aldrin	309-00-2	0.005		NA	NA	NA	NA	NA
alpha-BHC	319-84-6	0.2		NA	NA	NA	NA	NA
alpha-Chlordane[d]	5103-71-9	2		NA	NA	NA	NA	NA
Beta-BHC	319-85-7	0.02		NA	NA	NA	NA	NA
Delta-BHC	319-86-8	2.1		NA	NA	NA	NA	NA
Dieldrin	60-57-1	0.005		NA	NA	NA	NA	NA
Endosulfan	115-29-7	42		NA	NA	NA	NA	NA
Endosulfan II[d]	33213-65-9	42		NA	NA	NA	NA	NA
Endosulfan Sulfate	1031-07-8	*		NA	NA	NA	NA	NA
Endrin	72-20-8	2		NA	NA	NA	NA	NA
Endrin Aldehyde	7421-93-4	*		NA	NA	NA	NA	NA
Endrin Ketone	53494-70-5	*		NA	NA	NA	NA	NA
gamma-BHC (Lindane)	58-89-9	0.2		NA	NA	NA	NA	NA
gamma-Chlordane[d]	12789-03-6	2		NA	NA	NA	NA	NA
Heptachlor	76-44-8	0.4		NA	NA	NA	NA	NA
Heptachlor Epoxide	1024-57-3	0.2		NA	NA	NA	NA	NA
Methoxychlor	72-43-5	40		NA	NA	NA	NA	NA
Toxaphene	8001-35-2	3		NA	NA	NA	NA	NA
2,4,5-TP (SILVEX)	93-72-1	50		1 U	NA	1 U	1 U	NA
2,4,5-T	93-76-5	70		1 U	NA	1 U	1 U	NA
2,4-D	94-75-7	70		4 U	NA	4 U	4 U	NA
2,4-DB	94-82-6	56		4 U	NA	4 U	4 U	NA
4-Nitrophenol	100-02-7	56		**2 U**	NA	**2 U**	**2 U**	NA
Dalapon	75-99-0	200		2 UR	NA	2 UR	2 UR	NA
Dicamba	1918-00-9	210		2 U	NA	2 U	2 U	NA
Dichloroprop	120-36-5	35		4 U	NA	4 U	4 U	NA
Dinoseb	88-85-7	7		0.6 U	NA	0.6 U	0.6 U	NA
MCPA	94-74-6	3.5		**140 J**	NA	40 U	40 U	NA
MCPP	7085-19-0	7		40 U	NA	26 R	**68**	NA
Pentachlorophenol	87-86-5	1		0.1 U	NA	0.1 U	0.1 U	NA
Aluminum	7429-90-5	200		103 U	504	1910	1550	15.5 U
Antimony	7440-36-0	6		6.6 U	1.6 U	3.2 U	3.5 U	7.9 U
Arsenic	7440-38-2	50		**823**	20.7	**85.5**	5.6	**145**
Barium	7440-39-3	2000		2	13.4	16	8.3	10.1
Beryllium	7440-41-7	4		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		50200	10100	10800	5160	66800
Chromium	7440-47-3	100		3.6	2.6 U	4.1 U	2.6 U	2.8
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		2.9 U	2.9 U	58.9	2.9 U	2.9 U
Iron	7439-89-6	300		68	**1250**	**6320**	1020	43.7 U
Lead	7439-92-1	15		1.4 U	1.4 U	**32**	2.1	1.9
Magnesium	7439-95-4	*		4500	2140	2200	2300	3080
Manganese	7439965	50		7.2	42.8	**83.7**	15.3 U	4.5 U
Mercury	7439-97-6	2		0.031 U	0.04 U	0.069	0.04 U	0.031 U
Nickel	7440-02-0	100		1.7 U	1.7 U	5.3 U	1.7 U	1.7 U
Potassium	7440-09-7	*		10900	472 U	1730	2830	4600
Selenium	7782-49-2	50		3.1 U	3.1 U	3.1 U	3.1 U	4.6 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		5070	11300	15000	26100	2140
Thallium	7440-28-0	2		0.37 UJ	0.93 U	0.93 U	0.93 UJ	0.37 U
Vanadium	7440-62-2	49		2.1 U	2.1 U	4.2	2.4	5
Zinc	7440-66-6	5000		9.3 U	29	94.2	22.5 U	12.8 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-08-18	OLD-09-01	OLD-09-02	OLD-09-03	OLD-09-04
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G01813	NTC09G00113	NTC09G00213	NTC09G00313	NTC09G00413
LAB ID				A0A250128010	A0A250128004	A0A250128005	A0A250149003	A0A250149001
SAMPLE DATE				1/22/00	1/22/00	1/22/00	1/23/00	1/22/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA	10 U	10 U
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA	10 U	10 U
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA	10 U	10 U
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA	10 U	10 U
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA	10 U	10 U
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA	10 U	10 U
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA	10 U	10 U
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA	10 U	10 U
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA	25 UJ	25 U
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA	10 U	10 U
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA	10 U	10 U
2-Chloronaphthalene	91-58-7	560		NA	NA	NA	10 U	10 U
2-Chlorophenol	95-57-8	35		NA	NA	NA	10 U	10 U
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA	10 U	10 U
2-Nitroaniline	88-74-4	50		NA	NA	NA	25 U	25 U
2-Nitrophenol	88-75-5	*		NA	NA	NA	10 U	10 U
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA	10 U	10 U
3-Nitroaniline	99-09-2	50		NA	NA	NA	25 U	25 U
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA	25 U	25 U
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA	10 U	10 U
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA	10 U	10 U
4-Chloroaniline	106-47-8	28		NA	NA	NA	10 U	10 U
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA	10 U	10 U
4-Methylphenol	106-44-5	4		NA	NA	NA	10 U	10 U
4-Nitroaniline	100-01-6	21		NA	NA	NA	25 U	25 U
4-Nitrophenol	100-02-7	56		NA	NA	NA	25 U	25 U
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA	10 U	10 U
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA	10 U	10 U
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA	10 U	10 U
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA	8.9 J	10 U
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA	10 U	10 U
Carbazole	86-74-8	4		NA	NA	NA	10 U	10 U
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA	10 U	10 U
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA	10 U	10 U
Dibenzofuran	132-64-9	28		NA	NA	NA	10 U	10 U
Diethyl Phthalate	84-66-2	5600		NA	NA	NA	10 U	10 U
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA	10 U	10 U
Hexachlorobenzene	118-74-1	1		NA	NA	NA	10 U	10 U
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA	10 U	10 U
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA	10 U	10 U
Hexachloroethane	67-72-1	2.5		NA	NA	NA	10 U	10 U
Isophorone	78-59-1	37		NA	NA	NA	10 U	10 U
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA	10 U	10 U
N-Nitrosodiphenylamine	86-30-6	7.1		NA	NA	NA	10 U	10 U
Nitrobenzene	98-95-3	4		NA	NA	NA	10 U	10 U
Pentachlorophenol	87-86-5	1		NA	NA	NA	25 U	25 U
Phenol	108-95-2	10		NA	NA	NA	10 U	10 U
1-Methylnaphthalene	90-12-0	20		NA	NA	NA	2 U	2.5
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	2 U	1.7 J
Acenaphthene	83-32-9	20		NA	NA	NA	1 U	0.74 J
Acenaphthylene	208-96-8	210		NA	NA	NA	1 U	1 U
Anthracene	120-12-7	2100		NA	NA	NA	1 U	1 U
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA	0.1 U	0.1 U
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA	0.1 U	0.1 U
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA	0.1 U	0.1 U
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA	0.1 U	0.1 U
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA	0.3 U	0.3 U
Chrysene	218-01-9	4.8		NA	NA	NA	0.1 U	0.1 U
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA	0.1 U	0.1 U
Fluoranthene	206-44-0	280		NA	NA	NA	0.2 U	0.2 U
Fluorene	86-73-7	280		NA	NA	NA	2 U	2 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA	0.1 U	0.1 U
Naphthalene	91-20-3	20		NA	NA	NA	2 U	3
Phenanthrene	85-01-8	210		NA	NA	NA	1 U	1 U
Pyrene	129-00-0	210		NA	NA	NA	0.1 U	0.1 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-08-18	OLD-09-01	OLD-09-02	OLD-09-03	OLD-09-04
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC08G01813	NTC09G00113	NTC09G00213	NTC09G00313	NTC09G00413
LAB ID				A0A250128010	A0A250128004	A0A250128005	A0A250149003	A0A250149001
SAMPLE DATE				1/22/00	1/22/00	1/22/00	1/23/00	1/22/00
4,4'-DDD	72-54-8	0.1		NA	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDE	72-55-9	0.1		NA	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDT	50-29-3	0.1		NA	0.05 U	0.05 U	0.05 U	0.05 U
Aldrin	309-00-2	0.005		NA	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	319-84-6	0.2		NA	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane[d]	5103-71-9	2		NA	0.05 U	0.05 U	0.05 U	0.15 J
Beta-BHC	319-85-7	0.02		NA	0.05 U	0.05 U	0.05 U	0.05 U
Delta-BHC	319-86-8	2.1		NA	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	60-57-1	0.005		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan	115-29-7	42		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II[d]	33213-65-9	42		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan Sulfate	1031-07-8	*		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endrin	72-20-8	2		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endrin Aldehyde	7421-93-4	*		NA	0.05 U	0.05 U	0.05 U	0.05 U
Endrin Ketone	53494-70-5	*		NA	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	58-89-9	0.2		NA	0.05 UJ	0.05 UJ	0.05 U	0.05 U
gamma-Chlordane[d]	12789-03-6	2		NA	0.05 U	0.05 U	0.05 U	0.063
Heptachlor	76-44-8	0.4		NA	0.05 UJ	0.05 UJ	0.05 U	0.05 U
Heptachlor Epoxide	1024-57-3	0.2		NA	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	72-43-5	40		NA	0.1 U	0.1 U	0.1 U	0.1 U
Toxaphene	8001-35-2	3		NA	2 U	2 U	2 U	2 U
2,4,5-TP (SILVEX)	93-72-1	50		1 U	1 U	1 U	1 U	1 U
2,4,5-T	93-76-5	70		1 U	1 U	1 U	1 U	1 U
2,4-D	94-75-7	70		4 U	4 U	4 U	4 U	0.085 J
2,4-DB	94-82-6	56		4 U	4 U	4 U	4 U	4 U
4-Nitrophenol	100-02-7	56		**2 U**	**2 U**	**2 U**	**2 U**	**2 U**
Dalapon	75-99-0	200		2 UR	2 UR	2 UR	2 UR	2 UR
Dicamba	1918-00-9	210		0.063 R	2 U	2 U	2 U	0.14 J
Dichloroprop	120-36-5	35		4 U	4 U	4 U	4 U	4 U
Dinoseb	88-85-7	7		0.6 U	0.6 U	0.6 U	0.6 U	0.19 J
MCPA	94-74-6	3.5		40 U	40 U	40 U	40 U	40 U
MCPP	7085-19-0	7		**50 J**	28 R	120 R	40 U	40 U
Pentachlorophenol	87-86-5	1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aluminum	7429-90-5	200		574	84.5 U	1380	350	29.5
Antimony	7440-36-0	6		1.6 U	1.6 U	1.6 U	1.9 U	1.9 U
Arsenic	7440-38-2	50		2.5 U	20.5	2.5 U	2.5 U	**225**
Barium	7440-39-3	2000		30.9	55.4	2.8 U	2.4	12.1
Beryllium	7440-41-7	4		0.2 U	0.2 U	0.2 U	0.28 U	0.2 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		5130	97700	6710	11100	42800
Chromium	7440-47-3	100		3.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Iron	7439-89-6	300		**3260**	331	150 U	133	**2160**
Lead	7439-92-1	15		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	7439-95-4	*		1910	5790	1520	2160	3260
Manganese	7439965	50		**164**	22.1	2.9 U	2.4 U	**58**
Mercury	7439-97-6	2		0.04 U	0.04 U	0.04 U	0.049 U	0.04 U
Nickel	7440-02-0	100		2.8 U	1.7 U	1.7 U	1.7 U	1.7 U
Potassium	7440-09-7	*		1010	6310	3140	3510	7430
Selenium	7782-49-2	50		3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		7620	2150 U	5060 U	1980	1050
Thallium	7440-28-0	2		0.93 U	0.93 U	0.93 U	0.93 U	0.93 UJ
Vanadium	7440-62-2	49		5.9	2.1 U	2.1 U	2.1 U	2.1 U
Zinc	7440-66-6	5000		10.7 U	16.6 U	22.5 U	15.8 U	14.7 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-09-05		OLD-09-06	OLD-09-07	OLD-09-10
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G00513	NTC09G00513-D	NTC09G00613	NTC09G00713	NTC09G01013
LAB ID				A0A250128001	A0A250128003	A0A250128007	A0A250128002	A0A250149004
SAMPLE DATE				1/22/00	1/22/00	1/22/00	1/22/00	1/23/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA	NA	NA
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA	NA	NA
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA	NA	NA
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA	NA	NA
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA	NA	NA
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA	NA	NA
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	560		NA	NA	NA	NA	NA
2-Chlorophenol	95-57-8	35		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA	NA	NA
2-Nitroaniline	88-74-4	50		NA	NA	NA	NA	NA
2-Nitrophenol	88-75-5	*		NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA	NA	NA
3-Nitroaniline	99-09-2	50		NA	NA	NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA	NA	NA
4-Chloroaniline	106-47-8	28		NA	NA	NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA	NA	NA
4-Methylphenol	106-44-5	4		NA	NA	NA	NA	NA
4-Nitroaniline	100-01-6	21		NA	NA	NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA	NA	NA
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA	NA	NA
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA	NA	NA
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA	NA	NA
Carbazole	86-74-8	4		NA	NA	NA	NA	NA
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA	NA	NA
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA	NA	NA
Dibenzofuran	132-64-9	28		NA	NA	NA	NA	NA
Diethyl Phthalate	84-66-2	5600		NA	NA	NA	NA	NA
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA	NA	NA
Hexachlorobenzene	118-74-1	1		NA	NA	NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA	NA	NA
Hexachloroethane	67-72-1	2.5		NA	NA	NA	NA	NA
Isophorone	78-59-1	37		NA	NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA	NA	NA
N-Nitrosodipnenylamine	86-30-6	7.1		NA	NA	NA	NA	NA
Nitrobenzene	98-95-3	4		NA	NA	NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA	NA	NA
Phenol	108-95-2	10		NA	NA	NA	NA	NA
1-Methylnaphthalene	90-12-0	20		NA	NA	NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
Acenaphthene	83-32-9	20		NA	NA	NA	NA	NA
Acenaphthylene	208-96-8	210		NA	NA	NA	NA	NA
Anthracene	120-12-7	2100		NA	NA	NA	NA	NA
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA	NA	NA
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA	NA	NA
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA	NA	NA
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA	NA	NA
Chrysene	218-01-9	4.8		NA	NA	NA	NA	NA
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA	NA	NA
Fluoranthene	206-44-0	280		NA	NA	NA	NA	NA
Fluorene	86-73-7	280		NA	NA	NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA	NA	NA
Naphthalene	91-20-3	20		NA	NA	NA	NA	NA
Phenanthrene	85-01-8	210		NA	NA	NA	NA	NA
Pyrene	129-00-0	210		NA	NA	NA	NA	NA

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-09-05		OLD-09-06	OLD-09-07	OLD-09-10
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G00513	NTC09G00513-D	NTC09G00613	NTC09G00713	NTC09G01013
LAB ID				A0A250128001	A0A250128003	A0A250128007	A0A250128002	A0A250149004
SAMPLE DATE				1/22/00	1/22/00	1/22/00	1/22/00	1/23/00
4,4'-DDD	72-54-8	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDE	72-55-9	0.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,4'-DDT	50-29-3	0.1		0.05 UJ	0.05 U	0.05 U	0.05 UJ	0.05 U
Aldrin	309-00-2	0.005		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-BHC	319-84-6	0.2		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane[d]	5103-71-9	2		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Beta-BHC	319-85-7	0.02		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Delta-BHC	319-86-8	2.1		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Dieldrin	60-57-1	0.005		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan	115-29-7	42		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II[d]	33213-65-9	42		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan Sulfate	1031-07-8	*		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin	72-20-8	2		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin Aldehyde	7421-93-4	*		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endrin Ketone	53494-70-5	*		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	58-89-9	0.2		0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
gamma-Chlordane[d]	12789-03-6	2		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor	76-44-8	0.4		0.05 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.05 U
Heptachlor Epoxide	1024-57-3	0.2		0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	72-43-5	40		0.1 UJ	0.1 U	0.1 U	0.1 UJ	0.1 U
Toxaphene	8001-35-2	3		2 U	2 U	2 U	2 U	2 U
2,4,5-TP (SILVEX)	93-72-1	50		1 U	1 U	1 U	1 U	1 U
2,4,5-T	93-76-5	70		1 U	1 U	1 U	1 U	1 U
2,4-D	94-75-7	70		4 U	4 U	4 U	4 U	4 U
2,4-DB	94-82-6	56		4 U	4 U	4 U	4 U	4 U
4-Nitrophenol	100-02-7	56		**2 U**	**2 U**	**2 U**	**2 U**	**2 U**
Dalapon	75-99-0	200		2 UR	2 UR	2 UR	2 UR	2 UR
Dicamba	1918-00-9	210		2 U	2 U	2 U	2 U	2 U
Dichloroprop	120-36-5	35		4 U	4 U	4 U	4 U	4 U
Dinoseb	88-85-7	7		0.6 U	0.6 U	0.058 R	0.6 U	0.6 U
MCPA	94-74-6	3.5		40 U	40 U	40 U	40 U	40 U
MCPP	7085-19-0	7		**67 J**	**32 J**	40 U	160 R	40 U
Pentachlorophenol	87-86-5	1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aluminum	7429-90-5	200		72.7 U	75.2 U	144 U	586	228
Antimony	7440-36-0	6		1.6 U	1.6 U	1.6 U	1.6 U	1.9 U
Arsenic	7440-38-2	50		**72.4**	**72.3**	42.9	3	2.5 U
Barium	7440-39-3	2000		9	9	8.2	5.1	8.2
Beryllium	7440-41-7	4		0.2 U	0.2 U	0.2 U	0.2 U	0.31 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		70900	68300	43000	8000	41300
Chromium	7440-47-3	100		2.6 U	2.6 U	2.6 U	5.5 U	2.6 U
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Iron	7439-89-6	300		279 U	252 U	419	274 U	1030
Lead	7439-92-1	15		1.4 U	1.4 U	1.4 U	1.4 U	2.5
Magnesium	7439-95-4	*		6090	5870	3220	826	2380
Manganese	7439965	50		18.1 U	12 U	**63.6**	3 U	8.5 U
Mercury	7439-97-6	2		0.052	0.04 U	0.04 U	0.04 U	0.04 U
Nickel	7440-02-0	100		1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Potassium	7440-09-7	*		9830	9380	3980	968	4400
Selenium	7782-49-2	50		3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		2510 U	2360 U	2730 U	4790 U	1980
Thallium	7440-28-0	2		0.93 UJ	0.93 U	0.93 U	0.93 U	0.93 UJ
Vanadium	7440-62-2	49		2.5	2.4	2.1 U	3.1	2.1 U
Zinc	7440-66-6	5000		12.2 U	15 U	15.9 U	37.6	121

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-09-11	OLD-09-12	OLD-09-14		OLD-09-15
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G01113	NTC09G01213	NTC09G01413	NTC09G01413-D	NTC09G01513
LAB ID				A0A250128008	A0A250149005	A0A250149006	A0A250149009	A0A250149007
SAMPLE DATE				1/22/00	1/23/00	1/23/00	1/23/00	1/23/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	95-50-1	600		NA	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	541-73-1	10		NA	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	106-46-7	75		NA	10 U	10 U	10 U	10 U
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	88-06-2	3.2		NA	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	120-83-2	0.5		NA	11	10 U	10 U	10 U
2,4-Dimethylphenol	105-67-9	140		NA	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	51-28-5	14		NA	25 UJ	25 UJ	25 UJ	25 UJ
2,4-Dinitrotoluene	121-14-2	0.1		NA	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	606-20-2	0.1		NA	10 U	10 U	10 U	10 U
2-Chloronaphthalene	91-58-7	560		NA	10 U	10 U	10 U	10 U
2-Chlorophenol	95-57-8	35		NA	10 U	10 U	10 U	10 U
2-Methylnaphthalene	91-57-6	20		NA	NA	NA	NA	NA
2-Methylphenol	95-48-7	35		NA	10 U	10 U	10 U	10 U
2-Nitroaniline	88-74-4	50		NA	25 U	25 U	25 U	25 U
2-Nitrophenol	88-75-5	*		NA	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	91-94-1	12		NA	10 U	10 UJ	10 UJ	10 U
3-Nitroaniline	99-09-2	50		NA	25 U	25 U	25 U	25 U
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	25 U	25 U	25 U	25 U
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	59-50-7	63		NA	10 U	10 U	10 U	10 U
4-Chloroaniline	106-47-8	28		NA	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	10 U	10 U	10 U	10 U
4-Methylphenol	106-44-5	4		NA	10 U	10 U	10 U	10 U
4-Nitroaniline	100-01-6	21		NA	25 U	25 U	25 U	25 U
4-Nitrophenol	100-02-7	56		NA	25 U	25 U	25 U	25 U
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	10 U	10 UJ	10 UJ	10 U
Butylbenzyl Phthalate	85-68-7	140		NA	10 U	10 UJ	10 UJ	10 U
Carbazole	86-74-8	4		NA	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	84-74-2	700		NA	10 U	10 U	10 U	10 U
Di-N-Octyl Phthalate	117-84-0	140		NA	10 U	10 U	10 U	10 U
Dibenzofuran	132-64-9	28		NA	10 U	10 U	10 U	10 U
Diethyl Phthalate	84-66-2	5600		NA	10 U	10 U	10 U	10 U
Dimethyl Phthalate	131-11-3	70000		NA	10 U	10 U	10 U	10 U
Hexachlorobenzene	118-74-1	1		NA	10 U	10 U	10 U	10 U
Hexachlorobutadiene	87-68-3	0.5		NA	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	77-47-4	50		NA	10 U	10 U	10 U	10 U
Hexachloroethane	67-72-1	2.5		NA	10 U	10 U	10 U	10 U
Isophorone	78-59-1	37		NA	10 U	10 U	10 U	10 U
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	86-30-6	7.1		NA	10 U	10 U	10 U	10 U
Nitrobenzene	98-95-3	4		NA	10 U	10 U	10 U	10 U
Pentachlorophenol	87-86-5	1		NA	25 U	25 U	25 U	25 U
Phenol	108-95-2	10		NA	10 U	10 U	10 U	10 U
1-Methylnaphthalene	90-12-0	20		NA	0.58 J	2 U	0.44 J	2 U
2-Methylnaphthalene	91-57-6	20		NA	0.67 J	2 U	2 U	2 U
Acenaphthene	83-32-9	20		NA	1 U	1 U	1 U	1 U
Acenaphthylene	208-96-8	210		NA	1 U	1 U	1 U	1 U
Anthracene	120-12-7	2100		NA	1 U	1 U	1 U	1 U
Benzo(a)Anthracene	56-55-3	0.2		NA	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(a)Pyrene	50-32-8	0.2		NA	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(b)Fluoranthene	205-99-2	0.2		NA	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(g,h,i)Perylene	191-24-2	210		NA	0.1 U	0.1 U	0.1 U	0.1 U
Benzo(k)Fluoranthene	207-08-9	0.5		NA	0.3 U	0.3 U	0.3 U	0.3 U
Chrysene	218-01-9	4.8		NA	0.1 U	0.1 U	0.1 U	0.1 U
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	0.1 U	0.1 U	0.1 U	0.1 U
Fluoranthene	206-44-0	280		NA	0.2 U	0.2 U	0.2 U	0.2 U
Fluorene	86-73-7	280		NA	2 U	2 U	2 U	2 U
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	0.1 U	0.1 U	0.1 U	0.1 U
Naphthalene	91-20-3	20		NA	1.9 J	9.9	7.7	5
Phenanthrene	85-01-8	210		NA	1 U	1 U	1 U	1 U
Pyrene	129-00-0	210		NA	0.1 U	0.1 U	0.1 U	0.1 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-09-11	OLD-09-12	OLD-09-14		OLD-09-15
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G01113	NTC09G01213	NTC09G01413	NTC09G01413-D	NTC09G01513
LAB ID				A0A250128008	A0A250149005	A0A250149006	A0A250149009	A0A250149007
SAMPLE DATE				1/22/00	1/23/00	1/23/00	1/23/00	1/23/00
4,4'-DDD	72-54-8	0.1		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
4,4'-DDE	72-55-9	0.1		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
4,4'-DDT	50-29-3	0.1		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Aldrin	309-00-2	0.005		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
alpha-BHC	319-84-6	0.2		0.05 U	**1.4**	0.05 U	0.05 U	0.05 U
alpha-Chlordane[d]	5103-71-9	2		0.021 J	0.2 U	0.05 U	0.05 U	0.05 U
Beta-BHC	319-85-7	0.02		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Delta-BHC	319-86-8	2.1		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Dieldrin	60-57-1	0.005		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endosulfan	115-29-7	42		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endosulfan II[d]	33213-65-9	42		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endosulfan Sulfate	1031-07-8	*		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endrin	72-20-8	2		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endrin Aldehyde	7421-93-4	*		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Endrin Ketone	53494-70-5	*		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	58-89-9	0.2		0.034 J	**1.5**	0.05 U	0.05 U	0.05 U
gamma-Chlordane[d]	12789-03-6	2		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Heptachlor	76-44-8	0.4		0.05 UJ	0.2 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	1024-57-3	0.2		0.05 U	0.2 U	0.05 U	0.05 U	0.05 U
Methoxychlor	72-43-5	40		0.1 U	0.4 U	0.1 U	0.1 U	0.1 U
Toxaphene	8001-35-2	3		2 U	8 U	2 U	2 U	2 U
2,4,5-TP (SILVEX)	93-72-1	50		1 U	0.62 J	1 U	1 U	1 U
2,4,5-T	93-76-5	70		1 U	1 U	1 U	1 U	1 U
2,4-D	94-75-7	70		4 U	8	4 U	4 U	4 U
2,4-DB	94-82-6	56		4 U	4 U	0.59 R	2.3 R	4 U
4-Nitrophenol	100-02-7	56		**2 U**	**2 U**	**2 U**	**2 U**	**2 U**
Dalapon	75-99-0	200		2 UR	2 UR	2 UR	2 UR	2 UR
Dicamba	1918-00-9	210		2 U	2 U	2 U	2 U	2 U
Dichloroprop	120-36-5	35		4 U	0.68 R	4 U	4 U	4 U
Dinoseb	88-85-7	7		0.6 U	0.6 U	0.023 R	0.6 U	0.6 U
MCPA	94-74-6	3.5		40 U	40 U	40 U	40 U	40 U
MCPP	7085-19-0	7		**72 J**	40 U	40 U	40 U	40 U
Pentachlorophenol	87-86-5	1		0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Aluminum	7429-90-5	200		95.3 U	477	312	615	1470
Antimony	7440-36-0	6		2.2 U	1.9 U	1.9 U	1.9 U	1.9 U
Arsenic	7440-38-2	50		41.4	**127**	2.5 U	2.5 U	2.5 U
Barium	7440-39-3	2000		16.3	5	47.8	54.6	9.6
Beryllium	7440-41-7	4		0.2 U	0.35 U	0.36 U	0.46 U	0.4 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		74300	9780	59600	67100	1350 U
Chromium	7440-47-3	100		2.6 U	2.6 U	2.6 U	3.2	2.6 U
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		2.9 U	2.9 U	2.9 U	2.9 U	2.9 U
Iron	7439-89-6	300		**2220**	317	828	941	**1300**
Lead	7439-92-1	15		1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
Magnesium	7439-95-4	*		4020	1520	6250	6850	709
Manganese	7439965	50		34.5	15.1	**98.7**	**109**	34
Mercury	7439-97-6	2		0.04 U	0.058 U	0.05 U	0.04 U	0.04 U
Nickel	7440-02-0	100		1.7 U	1.7 U	2.5	4.1	1.7 U
Potassium	7440-09-7	*		9790	11000	1480	1620	151
Selenium	7782-49-2	50		3.1 U	3.1 U	3.1 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		1830 U	940	32200	35100	10900
Thallium	7440-28-0	2		0.93 U	0.93 UJ	0.93 UJ	0.93 UJ	0.93 U
Vanadium	7440-62-2	49		2.1 U	2.1 U	2.8	3.3	2.1 U
Zinc	7440-66-6	5000		3.4 U	49.6	2.2 U	4.4 U	13.7 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria[a]		OLD-09-16	OLD-09-17	OLD-09-19
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G01613	NTC09G01713	NTC09G01913
LAB ID				A0A250149008	A0A250149002	A0A250128006
SAMPLE DATE				1/23/00	1/22/00	1/22/00
1,2,4-Trichlorobenzene	120-82-1	70		NA	NA	NA
1,2-Dichlorobenzene	95-50-1	600		NA	NA	NA
1,3-Dichlorobenzene	541-73-1	10		NA	NA	NA
1,4-Dichlorobenzene	106-46-7	75		NA	NA	NA
2,2'-Oxybis (1-Chloropropane)	108-60-1	10		NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	4		NA	NA	NA
2,4,6-Trichlorophenol	88-06-2	3.2		NA	NA	NA
2,4-Dichlorophenol	120-83-2	0.5		NA	NA	NA
2,4-Dimethylphenol	105-67-9	140		NA	NA	NA
2,4-Dinitrophenol	51-28-5	14		NA	NA	NA
2,4-Dinitrotoluene	121-14-2	0.1		NA	NA	NA
2,6-Dinitrotoluene	606-20-2	0.1		NA	NA	NA
2-Chloronaphthalene	91-58-7	560		NA	NA	NA
2-Chlorophenol	95-57-8	35		NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA
2-Methylphenol	95-48-7	35		NA	NA	NA
2-Nitroaniline	88-74-4	50		NA	NA	NA
2-Nitrophenol	88-75-5	*		NA	NA	NA
3,3'-Dichlorobenzidine	91-94-1	12		NA	NA	NA
3-Nitroaniline	99-09-2	50		NA	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	*		NA	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	406		NA	NA	NA
4-Chloro-3-Methylphenol	59-50-7	63		NA	NA	NA
4-Chloroaniline	106-47-8	28		NA	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	*		NA	NA	NA
4-Methylphenol	106-44-5	4		NA	NA	NA
4-Nitroaniline	100-01-6	21		NA	NA	NA
4-Nitrophenol	100-02-7	56		NA	NA	NA
Bis(2-Chloroethoxy)Methane	111-91-1	*		NA	NA	NA
Bis(2-Chloroethyl)Ether	111-44-4	4		NA	NA	NA
Bis(2-Chloroisopropyl)Ether	108-60-1	10		NA	NA	NA
Bis(2-Ethylhexyl)Phthalate	117-81-7	6		NA	NA	NA
Butylbenzyl Phthalate	85-68-7	140		NA	NA	NA
Carbazole	86-74-8	4		NA	NA	NA
Di-N-Butyl Phthalate	84-74-2	700		NA	NA	NA
Di-N-Octyl Phthalate	117-84-0	140		NA	NA	NA
Dibenzofuran	132-64-9	28		NA	NA	NA
Diethyl Phthalate	84-66-2	5600		NA	NA	NA
Dimethyl Phthalate	131-11-3	70000		NA	NA	NA
Hexachlorobenzene	118-74-1	1		NA	NA	NA
Hexachlorobutadiene	87-68-3	0.5		NA	NA	NA
Hexachlorocyclopentadiene	77-47-4	50		NA	NA	NA
Hexachloroethane	67-72-1	2.5		NA	NA	NA
Isophorone	78-59-1	37		NA	NA	NA
N-Nitroso-Di-N-Propylamine	621-64-7	4		NA	NA	NA
N-Nitrosodiphenylamine	86-30-6	7.1		NA	NA	NA
Nitrobenzene	98-95-3	4		NA	NA	NA
Pentachlorophenol	87-86-5	1		NA	NA	NA
Phenol	108-95-2	10		NA	NA	NA
1-Methylnaphthalene	90-12-0	20		NA	NA	NA
2-Methylnaphthalene	91-57-6	20		NA	NA	NA
Acenaphthene	83-32-9	20		NA	NA	NA
Acenaphthylene	208-96-8	210		NA	NA	NA
Anthracene	120-12-7	2100		NA	NA	NA
Benzo(a)Anthracene	56-55-3	0.2		NA	NA	NA
Benzo(a)Pyrene	50-32-8	0.2		NA	NA	NA
Benzo(b)Fluoranthene	205-99-2	0.2		NA	NA	NA
Benzo(g,h,i)Perylene	191-24-2	210		NA	NA	NA
Benzo(k)Fluoranthene	207-08-9	0.5		NA	NA	NA
Chrysene	218-01-9	4.8		NA	NA	NA
Dibenzo(a,h)Anthracene	53-70-3	0.2		NA	NA	NA
Fluoranthene	206-44-0	280		NA	NA	NA
Fluorene	86-73-7	280		NA	NA	NA
Indeno(1,2,3-cd)Pyrene	193-39-5	0.2		NA	NA	NA
Naphthalene	91-20-3	20		NA	NA	NA
Phenanthrene	85-01-8	210		NA	NA	NA
Pyrene	129-00-0	210		NA	NA	NA

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS - JANUARY 2000
OPERABLE UNIT 3 - STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Well Designation	CAS Number	Screening Criteria [a]		OLD-09-16	OLD-09-17	OLD-09-19
SAMPLE ID		Florida GCTL [b]	NTC BGSV [c]	NTC09G01613	NTC09G01713	NTC09G01913
LAB ID				A0A250149008	A0A250149002	A0A250128006
SAMPLE DATE				1/23/00	1/22/00	1/22/00
4,4'-DDD	72-54-8	0.1		0.05 U	0.05 U	0.05 U
4,4'-DDE	72-55-9	0.1		0.05 U	0.05 U	0.05 U
4,4'-DDT	50-29-3	0.1		0.05 U	0.05 U	0.05 U
Aldrin	309-00-2	0.005		0.05 U	0.05 U	0.05 U
alpha-BHC	319-84-6	0.2		0.05 U	0.05 U	0.05 U
alpha-Chlordane[d]	5103-71-9	2		0.05 U	0.05 U	0.05 U
Beta-BHC	319-85-7	0.02		0.05 U	0.05 U	0.05 U
Delta-BHC	319-86-8	2.1		0.05 U	0.05 U	0.05 U
Dieldrin	60-57-1	0.005		0.05 U	0.05 U	0.05 U
Endosulfan	115-29-7	42		0.05 U	0.05 U	0.05 U
Endosulfan II[d]	33213-65-9	42		0.05 U	0.05 U	0.05 U
Endosulfan Sulfate	1031-07-8	*		0.05 U	0.05 U	0.05 U
Endrin	72-20-8	2		0.05 U	0.05 U	0.05 U
Endrin Aldehyde	7421-93-4	*		0.05 U	0.05 U	0.05 U
Endrin Ketone	53494-70-5	*		0.05 U	0.05 U	0.05 U
gamma-BHC (Lindane)	58-89-9	0.2		0.05 U	0.05 U	0.05 UJ
gamma-Chlordane[d]	12789-03-6	2		0.05 U	0.05 U	0.05 U
Heptachlor	76-44-8	0.4		0.05 U	0.05 U	0.05 UJ
Heptachlor Epoxide	1024-57-3	0.2		0.05 U	0.05 U	0.05 U
Methoxychlor	72-43-5	40		0.1 U	0.1 U	0.1 U
Toxaphene	8001-35-2	3		2 U	2 U	2 U
2,4,5-TP (SILVEX)	93-72-1	50		1 U	1 U	1 U
2,4,5-T	93-76-5	70		1 U	1 U	1 U
2,4-D	94-75-7	70		4 U	4 U	4 U
2,4-DB	94-82-6	56		4 U	0.82 R	4 U
4-Nitrophenol	100-02-7	56		**2 U**	**2 U**	**2 U**
Dalapon	75-99-0	200		2 UR	2 UR	2 UR
Dicamba	1918-00-9	210		2 U	2 U	2 U
Dichloroprop	120-36-5	35		4 U	4 U	4 U
Dinoseb	88-85-7	7		0.064 R	0.49 R	0.6 U
MCPA	94-74-6	3.5		40 U	40 U	40 U
MCPP	7085-19-0	7		40 U	18 U	40 U
Pentachlorophenol	87-86-5	1		0.1 U	0.1 U	0.1 U
Aluminum	7429-90-5	200		264	260	693
Antimony	7440-36-0	6		1.9 U	2	1.6 U
Arsenic	7440-38-2	50		2.5 U	14.3	2.5 U
Barium	7440-39-3	2000		15.5	5.3	20.8
Beryllium	7440-41-7	4		0.41 U	0.32 U	0.2 U
Cadmium	7440-43-9	5		0.7 U	0.7 U	0.7 U
Calcium	7440-70-2	*		4660	28500	23300
Chromium	7440-47-3	100		2.6 U	2.6 U	2.6 U
Cobalt	7440-48-4	420		1.5 U	1.5 U	1.5 U
Copper	7440-50-8	1000		2.9 U	2.9 U	2.9 U
Iron	7439-89-6	300		1080	92.6	762
Lead	7439-92-1	15		1.4 U	1.4 U	1.4 U
Magnesium	7439-95-4	*		1070	569	2400
Manganese	7439965	50		38.3	2.8 U	31.5
Mercury	7439-97-6	2		0.04 U	0.056 U	0.04 U
Nickel	7440-02-0	100		1.7 U	1.7 U	1.7 U
Potassium	7440-09-7	*		679	906	1700
Selenium	7782-49-2	50		3.1 U	3.1 U	3.1 U
Silver	7440-22-4	100		1.9 U	1.9 U	1.9 U
Sodium	7440-23-5	160000		9040	1050	7740
Thallium	7440-28-0	2		0.93 U	0.93 UJ	0.93 U
Vanadium	7440-62-2	49		2.5	5.9	7.3
Zinc	7440-66-6	5000		3.6 U	6.2 U	13 U

TABLE 5

VALIDATED GROUNDWATER ANALYTICAL RESULTS – JANUARY 2000
OPERABLE UNIT 3 – STUDY AREAS 8 AND 9

NAVAL TRAINING CENTER
ORLANDO, FLORIDA

Notes:

* indicates that the criteria or screening value not available.
"J" qualifier indicates an estimated value.
NA Not analyzed.
"U" qualifier indicates a non-detect.
"R" qualifier indicates rejected value.
Values in shaded cells are equal to or exceed the screening criteria.

(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.
(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) Screening Criteria Substitution – Chlordane for alpha-Chlordane and gamma-Chlordane, and Endosulfan for Endosulfan II.

ATTACHMENT A

GROUNDWATER SAMPLE LOG SHEETS

Date 1-19-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3 - SA8

[ ] Domestic Well Data

Flow-Thru Cell: HORIBA

Sample ID No.: NTC08G00113

[X] Monitoring Well Data

Make\Model: U-22

Sampled By: G. SISCO

[ ] Other Well Type:

Serial No.: 9272028

C-O-C No.: 01192000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1400	6.06	30.5	20.6	2.1	4.56	216	2.36	200
1	0.041 / 0.155	1405	6.14	28.9	20.7	1.8	3.97	180	2.37	120
2	0.163 / 0.617	1410	6.14	28.4	20.9	1.4	4.06	160	2.36	125
4	0.653 / 2.47	1415	6.14	28.0	21.0	1.2	4.40	150	2.36	125
6	1.469 / 5.56	1420	6.15	27.8	21.1	1.1	4.05	141	2.36	125
8	2.611 / 9.88	1425	6.16	28.0	21.1	1.2	3.63	135	2.36	125
10	4.08 / 15.44	1430	6.16	28.0	21.0	1.1	3.48	129	2.36	125
	[1 gal. = 3.785 L]	1435	6.15	27.8	21.0	1.1	3.32	123	2.36	125

OVA Reading (ppm): N/A.

Well Casing Diameter: 2.0

Total Well Depth: 13.5

Static Water Level: 2.35

Purge Vol. Calc.:

Tube @ 8.5'

Start Purge (hr): 1400

End Purge (hr): 1435

Total Purge Time (min): 35

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 1-19-00									
Time: 1435	Lt. Yellow	6.15	27.8	21.0	1.1	3.32	123	2.36	125

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments:

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [ ] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G. F. Sisco

Date 1-19-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3 - SA8

[ ] Domestic Well Data

Flow-Thru Cell: HORIBA

Sample ID No.: NTC08G00213

[X] Monitoring Well Data

Make\Model: U-22

Sampled By: G. Sisco

[ ] Other Well Type:

Serial No.: 9272028

C-O-C No.: 01192000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1530	6.59	41.9	20.8	4.7	5.62	88	2.42	150
1	0.041 / 0.155	1535	6.58	41.8	20.7	5.6	4.40	43	2.42	125
2	0.163 / 0.617	1540	6.55	41.1	20.7	6.2	4.06	-6	2.42	125
4	0.653 / 2.47	1545	6.53	40.7	20.7	6.3	3.82	-27	2.42	120
6	1.469 / 5.56	1550	6.53	40.5	20.6	6.4	3.77	-30	2.42	120
8	2.611 / 9.88	1555	6.51	39.5	20.6	6.7	3.16	-38	2.42	100
10	4.08 / 15.44	1600	6.51	39.0	20.6	6.7	3.56	-39	2.41	100
	[1 gal. = 3.785 L]	1605	6.51	38.2	20.6	7.0	3.66	-40	2.41	100
		1610	6.49	37.8	20.6	7.3	3.47	-43	2.41	100
OVA Reading (ppm): N/A.		1615	6.48	37.7	20.6	7.6	3.64	-43	2.41	100
		1626	After sample completed.	—	8.7	—	—	—	—	—

Well Casing Diameter: 2.0

Total Well Depth: 13.5

Static Water Level: 2.39

Purge Vol. Calc.:

Tube @ 8.0'

Start Purge (hr) 1530

End Purge (hr): 1615

Total Purge Time (min)

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-19-00									
Time 1615	Lt. Yellow	6.48	37.7	20.6	7.6	3.64	-43	2.41	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments: Turbidity steadily increasing. Will collect sample (1615) to insure sample is below 10 NTU (7.6 at start of sample).

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[X] Polyethylene
[ ] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G. J. Sisco

Date 011900

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 8

[ ] Domestic Well Data — Flow-Thru Cell: ___ — Sample ID No.: NTC08G0031 3

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: KJM

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01192000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1517	6.1	23	20.8	6.3	0.8	143	1.96	100 mL/min
1	0.041 / 0.155	1522	6.1	23	20.5	6.7	0.6	141	1.97	100 mL
2	0.163 / 0.617	1527	6.1	23	20.5	4.6	0.7	140	1.97	N/A
4	0.653 / 2.47	1532	6.1	23	20.4	4.6	0.5	144	1.97	100 mL
6	1.469 / 5.56	1537	6.1	23	20.3	4.7	0.5	145	1.97	100 mL
8	2.611 / 9.88	1542	6.1	23	20.3	3.9	0.5	147	1.97	100 mL
10	4.08 / 15.44	1547	6.1	23	20.3	3.8	0.5	149	1.97	100 mL
	[1 gal. = 3.785 L]									

OVA Reading (ppm):

Well Casing Diameter: 2" PVC
Total Well Depth: 13.5
Static Water Level: 1.92
Purge Vol. Calc.:

Start Purge (hr): 1507
End Purge (hr): 1552
Total Purge Time (min): 35 min
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 011900									
Time 1552	Clear	6.1	23	20.3	3.8	0.5	148	1.97	100 mL

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments:

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___
Duplicate ID No.: ___

Signature(s): Kenn J Mayhew

Date 011900

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 8

[ ] Domestic Well Data — Flow-Thru Cell: ___ — Sample ID No.: NTC08G00413

[X] Monitoring Well Data — Make\Model: Horiba U-22 — Sampled By: KJm

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01192000

PURGING DATA

Casing Size (in.)	Gals. per ft. of Water	Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01	0.038	1402	6.0	18.0	20.5	4.9	1.2	290	2.13	80 mL
1	0.041	0.155	1407	6.0	18.0	20.7	5.2	1.3	289	2.14	100 mL
2	0.163	0.617	1412	6.0	18.0	20.8	5.1	1.0	285	2.14	N/A
4	0.653	2.47	1417	6.0	18.0	20.9	5.2	0.9	283	2.14	100 mL
6	1.469	5.56	1422	6.0	18.0	21.0	6.0	0.8	278	2.14	N/A
8	2.611	9.88	1427	6.0	18.0	20.9	5.8	0.8	272	2.14	100 mL
10	4.08	15.44	1432	6.0	18.0	20.8	6.1	0.9	265	2.14	100 mL
	[1 gal. = 3.785 L]										

OVA Reading (ppm): N/A

Well Casing Diameter: 2" PVC
Total Well Depth: 13.5
Static Water Level: 2.10
Purge Vol. Calc.:

Start Purge (hr): 1353
End Purge (hr): 1440
Total Purge Time (min): 47 min
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date ~~1440~~ 011900									
Time 1440	Clear	6.0	18.0	20.9	6.0	0.9	266	2.14	100 mL

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments: Purge H_2O HAD yellowish tint.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___
Duplicate ID No.: ___

Signature(s): Kenneth Maycott

Date 1-20-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3 - SA8

[ ] Domestic Well Data

Flow-Thru Cell: HORIBA

Sample ID No.: NTC08G00513

[X] Monitoring Well Data

Make\Model: U-22

Sampled By: G. SISCO

[ ] Other Well Type:

Serial No.: 9272028

C-O-C No.: 0120 2008

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1255	5.61	10.9	21.2	6.1	4.25	-20	*	150
1	0.041 / 0.155	1300	5.46	10.6	21.2	3.4	3.44	-20		120
2	0.163 / 0.617	1305	5.40	10.6	21.3	2.0	3.63	-20		120
4	0.653 / 2.47	1310	5.35	10.4	21.5	1.3	3.93	-19		120
6	1.469 / 5.56	1315	5.37	10.4	22.1	0.70	3.59	-26		120
8	2.611 / 9.88	1320	5.39	10.3	22.2	0.95	3.66	-27		120
10	4.08 / 15.44	1325	5.36	10.4	21.6	0.70	3.48	-30		120
	[1 gal. = 3.785 L]	1330	5.33	10.4	21.4	0.50	3.48	-32		120

OVA Reading (ppm): N/A

Well Casing Diameter: 0.5

Total Well Depth: 17.00

Static Water Level: 2.17

Purge Vol. Calc.:

Tube @ 5.0 ft.

Start Purge (hr): 1255

End Purge (hr): 1330

Total Purge Time (min): 35

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-20-00									
Time 1330	Pale Yellow	5.33	10.4	21.4	0.50	3.48	-32	*	120

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

* Micro-Well: No H_2O level during purge.

NOTE: Cell in direct sun. Dark shade @ 1322

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA/QC SAMPLES

MS/MSD:

Duplicate ID No.:

Signature(s): G. F. Sisco

Date 012000

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-SA8

[ ] Domestic Well Data — Flow-Thru Cell: yes — Sample ID No.: NTC08600613

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: ___

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01202000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1242	6.4	16	22.8	7.8	1.4	112		100 mL
1	0.041 / 0.155	1247	6.3	16	22.3	6.5	0.8	43		100 mL
2	0.163 / 0.617	1252	6.3	16	22.1	3.8	0.7	16		100 mL
4	0.653 / 2.47	1257	6.3	16	21.8	3.5	0.6	-9		100 mL
6	1.469 / 5.56	1302	6.3	16	21.6	3.1	0.6	-28		100
8	2.611 / 9.88	1307	6.3	16	21.5	3.0	0.5	-49		100
10	4.08 / 15.44	1312	6.2	16	22.2	2.6	0.6	-78		100
	[1 gal. = 3.785 L]	1317	6.3	16	22.6	3.0	0.5	-93		

OVA Reading (ppm):

Well Casing Diameter: 0.5
Total Well Depth: 10.0
Static Water Level: 2.40
Purge Vol. Calc.:
Tube set @ 5.0 BTOC

Start Purge (hr): 1235
End Purge (hr): 1320
Total Purge Time (min):
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 012000									
Time 1320	Clear	6.3	16	22.6	2.8	0.5	-97		100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments: Direct sunlight was causing temp to change.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___

Duplicate ID No.: ___

Signature(s): Kevin J. Murphy

Date 1-20-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3- SA8

[ ] Domestic Well Data — Flow-Thru Cell: HORIBA — Sample ID No.: NTC08G008B

[X] Monitoring Well Data — Make\Model: U-22 — Sampled By: G. SISCO

[ ] Other Well Type: _____ — Serial No.: 9272028 — C-O-C No.: 0128 2000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1030	6.37	53.6	21.8	0.30	5.07	210	*	110
1	0.041 / 0.155	1035	6.42	53.0	21.8	0.20	4.76	193		100
2	0.163 / 0.617	1040	6.39	52.9	21.6	0.00	3.03	178		100
4	0.653 / 2.47	1045	6.42	52.9	21.5	0.00	3.60	167		100
6	1.469 / 5.56	1050	6.42	52.7	21.3	0.05	3.75	123		100
8	2.611 / 9.88	1055	6.40	52.6	21.3	0.00	3.22	75		100
10	4.08 / 15.44	1100	6.40	52.6	21.3	0.10	2.67	49		100
	[1 gal. = 3.785 L]	1105	6.40	52.5	21.4	0.10	3.01	41		100

OVA Reading (ppm): N/A.

Well Casing Diameter: 0.5
Total Well Depth: 10.0
Static Water Level: 2.39
Purge Vol. Calc.:
Tube @ 5.0 ft.

Start Purge (hr): 1030
End Purge (hr): 1105
Total Purge Time (min): 35
Total Vol. Purged:

11
0 level
easurement
f 0.5"
asing.

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 1-20-00									
Time: 1105	CLEAR	6.40	52.5	21.4	0.10	3.01	41	*	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments: * 0.5" Casing - Cannot record Water levels during purge.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly (SVOCs)
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G. F. Sisco

Date 1-20-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-SA8

[ ] Domestic Well Data

Flow-Thru Cell: HORIBA

Sample ID No.: NTC08G01013

[X] Monitoring Well Data

Make\Model: U-22

Sampled By: G. Sisco

[ ] Other Well Type:

Serial No.: 9272028

C-O-C No.: 01192000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1420	6.10	38.0	21.8	0.46	4.65	-117	*	125
1	0.041 / 0.155	1425	6.09	37.9	21.5	0.25	4.04	-120		125
2	0.163 / 0.617	1430	6.10	37.9	21.4	0.00	3.71	-123		125
4	0.653 / 2.47	1435	6.10	37.9	21.5	0.00	3.73	-125		125
6	1.469 / 5.56	1440	6.10	37.8	21.6	0.00	3.83	-125		125
8	2.611 / 9.88									
10	4.08 / 15.44									
	[1 gal. = 3.785 L]									

OVA Reading (ppm): N/A

Well Casing Diameter: 0.5

Total Well Depth: 10.0

Static Water Level: 1.49

Purge Vol. Calc.:

Tube @ 5.0 ft.

Start Purge (hr): 1420

End Purge (hr): 1440

Total Purge Time (min): 20

Total Vol. Purged

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-20-00									
Time 1440	CLEAR	6.10	37.8	21.6	0.00	3.83	-125	*	125

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
→ Herbicides	8151	None	1	1-liter	amber glass	X
→ X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	X
→ TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

* MICRO-WELL: No H2O Level during purge.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: NTC08D1302

Signature(s): G. J. Sisco

Date 012000

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: S. Lake

[ ] Domestic Well Data — Flow-Thru Cell: ___ — Sample ID No.: NTC086-01113

[X] Monitoring Well Data — Make\Model: ___ — Sampled By: KJM

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01202000

PURGING DATA

Casing Size (in.)	Gals. per ft. of Water	Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01	0.038	1400	6.2	34	22.9	4.5	1.4	-54		100
1	0.041	0.155	1405	6.1	34	22.7	6.7	0.8	-98		100
2	0.163	0.617	1410	6.1	34	22.7	5.1	0.6	-117		100
4	0.653	2.47	1415	6.1	34	22.2	4.6	0.5	-131		100
6	1.469	5.56	1420	6.1	34	22.2	5.3	0.6	-141		100
8	2.611	9.88	1425	6.1	34	21.8	4.1	0.5	-150		100
10	4.08	15.44	1430	6.1	34	21.7	4.7	0.5	-153		100
	[1 gal. = 3.785 L]		1435	6.1	33	21.7	4.5	0.5	-154		100

OVA Reading (ppm):

Well Casing Diameter: 0.5
Total Well Depth: 10.0
Static Water Level: 1.33
Purge Vol. Calc.:

Start Purge (hr): 1355
End Purge (hr): 1440
Total Purge Time (min):
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 012000									
Time 1440	Yellowish Green	6.1	33	21.5	4.5	0.5	-155		100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	1
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	1
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	1

ADDITIONAL INFORMATION

Comments:

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[ ] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___

Duplicate ID No.: ___

Signature(s):

Date 012200

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 8

[ ] Domestic Well Data — Flow-Thru Cell: yes — Sample ID No.: NTC0860-13

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: KJM

[ ] Other Well Type: _____ — Serial No.: _____ — C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0820	5.3	14	12.3	38	10.0	-42	N/A	80 mL
1	0.041 / 0.155	0830	5.4	14	14.9	20	2.6	-123		
2	0.163 / 0.617	0905	5.5	15	13.3	39	2.4	-102		
4	0.653 / 2.47	0935	5.6	15	16.0	23	2.3	-108		
6	1.469 / 5.56	0940	5.6	14	16.0	14	2.3	-124		
8	2.611 / 9.88									
10	4.08 / 15.44									
	[1 gal. = 3.785 L]									

OVA Reading (ppm):

Well Casing Diameter: 0.5 PVC

Total Well Depth: 7.1

Static Water Level: 4.72

Purge Vol. Calc.:

Start Purge (hr): 0820

End Purge (hr): 0945

Total Purge Time (min):

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 012200									
Time: 0945	Mostly Clear	5.6	14	16.0	10	2.3	-122	N/A	80 mL.

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments: 0830 Dry Well kept going Dry purge Dry 3 Times.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: _____

Duplicate ID No.: _____

Signature(s): Kenny Murphy

Date 012200

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA-8

[ ] Domestic Well Data — Flow-Thru Cell: yes — Sample ID No.: NTC08G01413

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: KJM

[ ] Other Well Type: ____ — Serial No.: ____ — C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1018	5.4	16	18.0	28	4.6	-61		50 mL
1	0.041 / 0.155	1025	5.3	16	17.8	37	5.0	-46		N/A
2	0.163 / 0.617	1045	5.4	15	18.2	60	8.4	-59		N/A
4	0.653 / 2.47	1100	5.3	15	18.1	50	6.1	-27		50 mL
6	1.469 / 5.56	1105	5.3	15	18.2	50	6.1	-25		50 mL
8	2.611 / 9.88	1110	5.3	15	18.2	45	6.2	-24		50 mL
10	4.08 / 15.44	1115	5.3	15	18.3	27	6.2	-24		50 mL
	[1 gal. = 3.785 L]	1120	5.3	15	18.4	34	6.2	-25		50 mL

Turbidity taken of the Water Before Flow-Thru cell.

OVA Reading (ppm):

Well Casing Diameter: 0.5 PVC

Total Well Depth: 11.0 BTOC

Static Water Level: 5.70

Purge Vol. Calc.:

Start Purge (hr): 1007

End Purge (hr): 1025

Total Purge Time (min):

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 012200									
Time: 1130	yellowish	5.3	15	18.4	33	6.3	-24		50

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments: Purgeate Flow-thru cell @ 1025 to get clearer H_2O. @ 1112 took turbidity out of tubing Before Flow-thru cell it is 27 NTU

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ____

Duplicate ID No.: ____

Signature(s): [signature]

Date 1-22-00

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: 003-SA8

[ ] Domestic Well Data — Flow-Thru Cell: HORIBA — Sample ID No.: NTC08G01513

[X] Monitoring Well Data — Make\Model: U-22 — Sampled By: G.SISCO

[ ] Other Well Type: _____ — Serial No.: 9272028 — C-O-C No.: 01 22 2000

PURGING DATA

Casing Size (in.)	Gals. per ft. of Water	Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01	0.038	1025	5.00	17.5	21.9	150	3.28	3	*	140
1	0.041	0.155	1030	4.88	17.7	21.8	150	2.71	-4		100
2	0.163	0.617	1045	4.83	21.1	21.2	75	3.45	-7		90
4	0.653	2.47	1050	4.75	20.8	21.2	65	1.59	-11		90
6	1.469	5.56	1100	4.69	20.5	21.2	45	1.03	-16		90
8	2.611	9.88	1105	4.69	20.4	21.3	40	0.90	-19		90
10	4.08	15.44	1110	4.68	20.1	21.3	38	0.78	-21		90
	[1 gal. = 3.785 L]		1115	4.68	20.0	21.1	33	0.89	-20		90
			1120	4.66	19.9	21.0	30	0.87	-21		90
OVA Reading (ppm): N/A			1125	4.65	19.8	21.1	26	0.86	-23		90
			1130	4.64	19.8	21.2	24	0.80	-25		90
			1135	4.64	19.7	21.3	22	0.73	-25		90
Well Casing Diameter: 0.5			1140	4.64	19.7	21.3	20	0.68	-27		90
Total Well Depth: 11.0			1145	4.65	19.7	21.2	19	0.70	-29		90
Static Water Level: 5.15			1150	4.64	19.7	21.3	18	0.74	-31		90
Purge Vol Calc.:			1155	4.64	19.6	21.3	16	0.64	-33		90
Tube @ 9 ft. / 8 ft.			1200	4.64	19.6	21.4	15	0.68	-33		90
Start Purge (hr): 1025											
End Purge (hr): 1200											
Total Purge Time (min): 95											
Total Vol Purged.											

→ DRA FLOW CEL & RAISE TUB 1 ft

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-22-00									
Time	Lt. Yellow	4.64	19.6	21.4	15	0.68	-33	*	90

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
→ Herbicides	8151	None	1	1-liter	amber glass	X
→ X-tra Organic	8XXX	None	1	1-liter	amber glass	X
→ TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:
* MICRO WELL : NO H_2O Levels.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: _____ Duplicate ID No.: _____

Signature(s): G. Sisco

Date 012000

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 8

[ ] Domestic Well Data — Flow-Thru Cell: yes — Sample ID No.: NTL08601713

[X] Monitoring Well Data — Make\Model: Horiba U-22 — Sampled By: KJM

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01202000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1030	6.5	36	20.4	2.5	0.8	263		100 ml/min
1	0.041 / 0.155	1035	6.5	36	20.7	2.0	0.9	250		100
2	0.163 / 0.617	1040	6.5	34	20.6	1.9	0.7	239		N/A
4	0.653 / 2.47	1045	6.5	36	20.4	1.7	0.6	231		100
6	1.469 / 5.56	1050	6.5	36	20.4	1.7	0.7	223		100
8	2.611 / 9.88	1055	6.5	36	20.4	1.5	0.6	218		100
10	4.08 / 15.44	1100	6.5	36	20.6	2.7	0.6	214		100
	[1 gal. = 3.785 L]									

OVA Reading (ppm): NA

Well Casing Diameter: 0.5
Total Well Depth: 9.9
Static Water Level: 2.13
Purge Vol. Calc.:
Bottom of tubing set @ 5 ft BTOC

Start Purge (hr): 1020
End Purge (hr): 1100
Total Purge Time (min): 40 min
Total Vol. Purged:

Horiba — mS/m

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 012000									
Time: 1105	Clear	6.5	36	20.6	1.6	0.6	212		100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments:

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[ ] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD:

Duplicate ID No.:

Signature(s): Kurt J Mangold

Date 1-22-00

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3- SA8

[ ] Domestic Well Data — Flow-Thru Cell: HORIBA — Sample ID No.: NTC08G01813

[X] Monitoring Well Data — Make\Model: U-22 — Sampled By: G. SISCO

[ ] Other Well Type: _____ — Serial No.: 9272028 — C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	~~0847~~	—	—	—	—	—	—	—	—
1	0.041 / 0.155	0858	5.05	11.6	18.1	19	2.09	-23	*	120
2	0.163 / 0.617	0903	5.06	11.2	18.4	16	1.50	-28		120
4	0.653 / 2.47	0908	5.07	10.8	18.8	14	1.07	-31		100
6	1.469 / 5.56	0913	5.06	10.5	19.1	11	0.95	-31		120
8	2.611 / 9.88	0918	5.04	10.3	19.5	8.7	0.83	-27		120
10	4.08 / 15.44	0923	5.04	10.2	19.9	7.3	0.77	-29		120
	[1 gal. = 3.785 L]	0928	5.04	10.1	20.2	6.2	0.93	-32		120

OVA Reading (ppm): N/A.

Well Casing Diameter: 0.5
Total Well Depth: 11.0
Static Water Level: 3.9
Purge Vol. Calc.:
Tube @ 8 ft.

Start Purge (hr): 0858
End Purge (hr): 0928
Total Purge Time (min): 30
Total Vol. Purged:

3 ft
-1ft-UP

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-22-00									
Time 0928	Lt. Yellow	5.04	10.1	20.2	6.2	0.73	-32	*	120

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1	1-liter	amber glass	X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:
* MICRO WELL: No H2O Levels DURING PURGE
Sun warming flow cell.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —
Duplicate ID No.: —

Signature(s): G. T. Sisco

Date 01/22/00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA9 OLD-09-01

[ ] Domestic Well Data — Flow-Thru Cell: Yes

Sample ID No.: NTC09600113

[X] Monitoring Well Data — Make\Model: ___

Sampled By: NF

[ ] Other Well Type: ___ — Serial No.: ___

C-O-C No.: 01 22 2000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1145	6.53	0.506	22.2	0.00	5.6	-101	2.82	80
1	0.041 / 0.155	1150	6.53	0.502	21.9	0.00	4.9	-104	2.82	90
2	0.163 / 0.617	1155	6.53	0.500	21.7	0.00	3.5	-109	2.82	100
4	0.653 / 2.47	1200	6.52	0.498	21.8	0.00	2.8	-116	2.82	100
6	1.469 / 5.56	1205	6.52	0.498	21.6	0.00	2.8	-114	2.82	90
8	2.611 / 9.88	1210	6.51	0.497	21.6	0.00	2.8	-122	2.84	80
10	4.08 / 15.44	1215	6.50	0.493	21.6	0.00	3.0	-120	2.84	90
	[1 gal. = 3.785 L]	1220	6.49	0.492	21.7	0.00	3.0	-126	2.84	100
		1225	6.49	0.490	21.6	0.00	3.0	-126	2.84	100

OVA Reading (ppm): NA

Well Casing Diameter: 2"

Total Well Depth: 13.5'

Static Water Level: 2.80'

Purge Vol. Calc.: NA

Start Purge (hr): 1130

End Purge (hr): 1225

Total Purge Time (min): 55

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1/22/00									
Time 1330	Clear	6.49	0.490	21.6	0.00	3.0	-126	2.84	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	—
Pesticides	8081A	None	1	1-liter	amber glass	✓
Herbicides	8151	None	1	1-liter	amber glass	✓
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	✓
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments: Water has slight yellow color

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): [signature]

Date 1-22-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-01d-09-02

[ ] Domestic Well Data

Flow-Thru Cell: ✓

Sample ID No. NTC 09G 00213

[X] Monitoring Well Data

Make\Model: Horiba / U-22

Sampled By: SMW

[ ] Other Well Type: ___

Serial No.: 9272045

C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1355	4.78	7.2	22.73	11	5.3	187	5.69	100
1	0.041 / 0.155	1400	4.87	7.1	22.84	11	2.8	130	5.69	100
2	0.163 / 0.617	1405	4.86	7.1	22.77	12	2.5	103	5.69	100
4	0.653 / 2.47	1410	4.88	7.1	22.74	12	2.1	93	5.69	100
6	1.469 / 5.56	1415	4.88	7.0	22.67	13	2.1	87	5.69	100
8	2.611 / 9.88	1420	4.87	7.0	22.81	13	1.7	85	5.69	100
10	4.08 / 15.44	1430	4.86	7.0	23.02	13	2.3	81	5.69	100
	[1 gal. = 3.785 L]	1430	4.86	7.0	23.05	14	2.0	80	5.69	100
		1440	4.86	7.0	23.29	14	2.4	79	5.69	100
OVA Reading (ppm): None		1445	4.86	7.1	23.31	13	3.7	80	5.69	100
		1450	4.88	7.0	23.05	14	2.1	75	5.69	100
		1455	4.88	7.0	22.95	13	1.6	73	5.69	100
Well Casing Diameter: 2"		1500	4.88	7.0	22.91	14	2.0	73	5.69	100
Total Well Depth: 12.0'		1505	4.87	7.0	22.92	14	1.9	72	5.69	100
Static Water Level: 5.25										
Purge Vol. Calc.:										
Tube @ 9'		Sampling completed at 1610.								
Start Purge (hr): 1345										
End Purge (hr): 1505										
Total Purge Time (min): 120										
Total Vol. Purged:										

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-22-00									
Time 1515	Yellow	4.87	7.0	22.42	14	1.9	72	5.69	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	—
Pesticides	8081A	None	1	1-liter	amber glass	/
Herbicides	8151	None	1	1-liter	amber glass	/
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	/
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	/

ADDITIONAL INFORMATION

Comments:

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: None

Duplicate ID No.: None

Signature(s): [signature]

Groundwater Purging and Sampling Log

Tetra Tech NUS

Date 1/23/00

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA9 OLD-09-03

[ ] Domestic Well Data — Flow-Thru Cell: Yes

Sample ID No.: NTC 096-00313

[X] Monitoring Well Data — Make\Model: ___

Sampled By: WF

[ ] Other Well Type: ___ — Serial No.: NA

C-O-C No.: 01232000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1105	5.42	0.087	22.1	1.77	1.9	-32	7.82	~~80~~ 150
1	0.041 / 0.155	1110	5.39	0.087	22.3	1.36	1.3	-39	7.84	70
2	0.163 / 0.617	1115	5.38	0.086	22.5	1.31	1.3	-43	7.73	70
4	0.653 / 2.47	1120	5.37	0.086	22.7	1.32	1.3	-45	7.60	70
6	1.469 / 5.56	1125	5.37	0.086	23.3	1.26	2.1	-40	7.46	70
8	2.611 / 9.88	1130	5.37	0.087	23.5	1.36	1.7	-38	7.42	100
10	4.08 / 15.44	1135	5.36	0.085	23.6	1.27	1.4	-37	7.40	50
	[1 gal. = 3.785 L]	1140	5.35	0.085	23.9	1.40	1.3	-40	7.39	50
		1145	5.34	0.085	24.0	1.25	1.3	-43	7.39	50
OVA Reading (ppm):		1150	5.34	0.085	24.0	1.30	1.3	-49	7.40	50

Well Casing Diameter: 2"
Total Well Depth: 12'
Static Water Level: 6.15
Purge Vol. Calc.: NA

Start Purge (hr): 1055
End Purge (hr): 1150
Total Purge Time (min): 55
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1/23/00									
Time 1150	Lt. Yellow	5.34	0.085	24.0	1.30	1.3	-49	7.40	50

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	2
Pesticides	8081A	None	1	1-liter	amber glass	1
Herbicides	8151	None	1	1-liter	amber glass	1
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	2
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	1

ADDITIONAL INFORMATION

Comments:
Well drew down at first at 150 mL/min. Reduced flow to 70 mL/min. Well is coming back up.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[X] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): [signature]

Date 012200

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 9

[ ] Domestic Well Data — Flow-Thru Cell: yes — Sample ID No.: NTC096-00413

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: KJM

[ ] Other Well Type: ____ — Serial No.: ____ — C-O-C No.: 0123 2000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1350	6.1	28	22.1	7.8	0.8	-192	6.58	100
1	0.041 / 0.155	1355	6.1	27	22.3	8.2	0.6	-218	6.83	90
2	0.163 / 0.617	1400	6.1	27	22.2	8.7	0.6	-207	6.89	70
4	0.653 / 2.47	1410	6.1	27	22.5	9.6	0.5	-210	6.81	70
6	1.469 / 5.56	1415	6.1	27	22.4	8.9	0.5	-210	6.81	70
8	2.611 / 9.88	1420	6.1	27	22.6	8.2	0.5	-215	6.81	70
10	4.08 / 15.44	1425	6.1	27	22.5	8.1	0.5	-214	6.81	70
	[1 gal. = 3.785 L]									

OVA Reading (ppm):

Well Casing Diameter: 2.0

Total Well Depth: 12.0

Static Water Level: 5.33

Purge Vol. Calc.:

Start Purge (hr): 1345

End Purge (hr): 1430

Total Purge Time (min):

Total Vol. Purged

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 012200									
Time 1430	Clear	6.1	27	22.5	7.9	0.5	-215	6.81	70 ml

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	XX
Pesticides	8081A	None	1	1-liter	amber glass	X
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	XX
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments: H_2O level stabilized @ 70 ml/m purge Rate.

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ____

Duplicate ID No.: ____

Signature(s): Tom J Maguire

Groundwater Purging and Sampling Log

Tetra Tech NUS

Date 1/22/00

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA9 OLD-09-05

[ ] Domestic Well Data — Flow-Thru Cell: Yes — Sample ID No.: NTC09G00513

[X] Monitoring Well Data — Make\Model: ___ — Sampled By: WF

[ ] Other Well Type: ___ — Serial No.: ___ — C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. per ft. of Water	Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01	0.038	0820	6.17	0.373	17.0	0.06	2.0	-178	NA	150
1	0.041	0.155	0835	6.21	0.373	17.1	0.50	1.5	-189		100
2	0.163	0.617	0840	6.24	0.377	17.3	0.72	1.6	-191		100
4	0.653	2.47	0845	6.25	0.380	17.4	0.43	1.4	-229		100
6	1.469	5.56	0850	6.26	0.383	17.5	0.52	1.7	-378		110
8	2.611	9.88	0855	6.27	0.390	17.5	0.66	1.3	-380		100
10	4.08	15.44	0900	6.26	0.392	17.7	0.20	1.8	-311		100
	[1 gal. = 3.785 L]		0905	6.26	0.392	17.9	0.15	1.6	-237		100
			0910	6.26	0.392	18.1	0.10	1.4	-224		100
OVA Reading (ppm): NA			0915	6.26	0.392	18.4	0.15	1.3	-219		100
			0920	6.26	0.393	18.5	0.56	1.7	-214		100
			0925	6.25	0.393	18.5	0.55	1.7	-213		100
Well Casing Diameter: 0.5			0930	6.24	0.397	18.5	0.66	1.6	-210		100
Total Well Depth: 10'											
Static Water Level: 2.42'											
Purge Vol. Calc.: NA											
Start Purge (hr): 0820											
End Purge (hr): 0930											
Total Purge Time (min): 70											
Total Vol. Purged:											

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1/22/00									
Time 0930	lt. Yellow	6.24	0.397	18.5	0.66	1.7	-210	NA	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	—
Pesticides	8081A	None	1	1-liter	amber glass	2
Herbicides	8151	None	1	1-liter	amber glass	2
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	2
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	2

ADDITIONAL INFORMATION

Comments:
Micro well - couldn't measur water levels during purging.
Slight yellow color on water

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: NTC09D1303

Signature(s): [signature]

Date 1-22-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-SA9

[ ] Domestic Well Data — Flow-Thru Cell: HORIBA — Sample ID No.: NTC09G00613

[X] Monitoring Well Data — Make\Model: U-22 — Sampled By: G. Sisco

[ ] Other Well Type: _____ — Serial No.: 9272028 — C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. per ft. of Water	Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01	0.038	1540	5.81	25.5	20.7	3.5	3.27	-124	*	200
1	0.041	0.155	1543	5.76	25.9	20.4	1.1	1.60	-132		150
2	0.163	0.617	1546	5.71	26.2	20.3	0.65	1.18	-134		150
4	0.653	2.47	1549	5.71	26.4	20.3	0.80	1.00	-137		150
6	1.469	5.56	1552	5.71	26.7	20.2	0.90	0.82	-137		150
8	2.611	9.88	1555	5.71	26.8	20.2	0.60	0.79	-140		150
10	4.08	15.44	1558	5.71	26.9	20.2	0.60	0.75	-142		150
	[1 gal. = 3.785 L]										

OVA Reading (ppm): N/A

Well Casing Diameter: 0.5

Total Well Depth: 10.0

Static Water Level: 2.07

Purge Vol. Calc.:

Tube @ 5 ft.

Start Purge (hr): 1540

End Purge (hr): 1558

Total Purge Time (min): 28

Total Vol. Purged

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-22-00									
Time 1558	CLEAR	5.71	26.9	20.2	0.60	0.75	-142	*	150

ANALYSES INFORMATION

	Analysis		Preservative	Container Requirements			Collected
	TCL VOCs	8260B	HCl	3	40 ml	glass vials	
	SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
→	Pesticides	8081A	None	1	1-liter	amber glass	X
→	Herbicides	8151	None	1	1-liter	amber glass	X
→	X-tra Organic	8XXX	None	1	1-liter	amber glass	X
→	TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

*MICRO WELL: No H_2O Levels DURING PURGE.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G. J. Sisco

Date 1-22-00

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: 043 old-09-07

[ ] Domestic Well Data — Flow-Thru Cell: ✓ — Sample ID No. NTC 09600713

[X] Monitoring Well Data — Make\Model: HORIBA / U-22 — Sampled By: SRW

[ ] Other Well Type: ___ — Serial No.: 9272045 — C-O-C No.: 0122 2000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0840	4.81	7.7	1781	8.3	6.4	250	4.45	100
1	0.041 / 0.155	0850	4.67	7.2	18.71	6.4	6.4	245	—	100
2	0.163 / 0.617	0904	4.70	7.0	19.76	7.0	3.6	242	—	100
4	0.653 / 2.47	0910	4.68	6.9	19.72	6.8	3.5	239	—	100
6	1.469 / 5.56	0915	4.68	7.0	19.85	6.5	2.6	237	—	100
8	2.611 / 9.88	0920	4.68	6.9	19.99	6.2	2.9	235	—	100
10	4.08 / 15.44	0925	4.69	7.0	19.98	6.0	2.2	233	—	100
	[1 gal. = 3.785 L]	0930	4.67	6.9	20.15	6.8	2.1	234	—	100
		0935	4.69	7.2	20.25	6.3	2.7	233	—	100
OVA Reading (ppm): NONE		0940	4.72	7.2	20.00	7.0	2.7	229	—	100
		0945	4.69	6.9	20.16	6.3	2.8	227	—	100
		0950	4.69	6.9	20.43	6.8	2.7	230	—	100
Well Casing Diameter: .5"		0955	4.69	6.9	20.48	7.0	2.6	229	—	100
Total Well Depth: 12.0'										
Static Water Level: 4.45										
Purge Vol. Calc.:										
Tube @ 10'		Sampling Completed @ 1200 Hours Water level after sampling was 4.45.								
Start Purge (hr): 0830										
End Purge (hr): 0955										
Total Purge Time (min): 85										
Total Vol. Purged: 2.5 gal										
Had bad leak at 0935 Shut down pump, repair restart completed readings										

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-22-00									
Time 1000	Light yellow	4.69	6.9	20.48	7.0	2.6	229	4.45	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	—
Pesticides	8081A	None	1	1-liter	amber glass	3
Herbicides	8151	None	1	1-liter	amber glass	3
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	3
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	3

ADDITIONAL INFORMATION

Comments: 0840 → 0850 water in flow thru Bottle yellow, But water coming out of well looks clear, could take time to clean up water in flow thru Bottle
0855 Flow Bottle leaking had to shut down and start again @ 0904

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Other

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: X Yes

Duplicate ID No.: ___

Signature(s): SR Murphy

Date 01/23/01

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52) SA9

Sample Location: OLD-09-10

[ ] Domestic Well Data — Flow-Thru Cell: Yes — Sample ID No.: NTC09G01013

[X] Monitoring Well Data — Make\Model: ___ — Sampled By: WF

[ ] Other Well Type: ___ — Serial No.: NA — C-O-C No.: 01232000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0855	6.01	0.213	19.9	2.71	1.5	-29	NA	140
1	0.041 / 0.155	0900	6.03	0.204	20.0	1.65	1.3	-41		156
2	0.163 / 0.617	0905	6.04	0.201	20.2	1.42	1.0	-42		100
4	0.653 / 2.47	0910	6.06	0.200	20.2	1.25	1.4	-35		100
6	1.469 / 5.56	0915	6.07	0.200	20.2	1.03	2.0	-29		100
8	2.611 / 9.88	0920	6.07	0.199	20.3	0.95	1.8	-25		100
10	4.08 / 15.44	0925	6.08	0.199	20.5	0.61	2.0	-25		100
	[1 gal. = 3.785 L]	0930	6.08	0.199	20.5	0.66	1.6	-24		100
		0935	6.08	0.199	20.7	0.65	1.5	-20		100
OVA Reading (ppm): NA		0940	6.08	0.199	20.8	0.80	1.6	-16		100
		0945	6.09	0.199	21.0	0.72	1.5	-15		100
		0950	6.09	0.199	21.2	0.85	1.5	-14		100
Well Casing Diameter: 0.5		0955	6.09	0.199	21.2	0.66	1.5	-12		100
Total Well Depth: 10'										
Static Water Level: 2.81'										
Purge Vol. Calc.: NA										
Start Purge (hr): 0845										
End Purge (hr): 0955										
Total Purge Time (min): 70										
Total Vol. Purged:										

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 01/23/00									
Time 0955	H. Yellow	6.09	0.199	21.2	0.66	1.5	-12	NA	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	—
Pesticides	8081A	None	1	1-liter	amber glass	✓
Herbicides	8151	None	1	1-liter	amber glass	✓
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	✓
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments:
Microwell - No water levels taken during purging
Water has a light yellow color

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): [signature]

Date 1-22-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-SA9

[ ] Domestic Well Data

Flow-Thru Cell: HORIBA

Sample ID No.: NTC09G01113

[X] Monitoring Well Data

Make\Model: U-22

Sampled By: G. Sisco

[ ] Other Well Type:

Serial No.: 9272028

C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1405	6.04	42.0	21.7	3.7	4.16	-123	*	200
1	0.041 / 0.155	1410	6.14	42.0	21.4	0.30	1.15	-143		130
2	0.163 / 0.617	1415	6.14	42.2	21.4	0.00	0.93	-146		130
4	0.653 / 2.47	1420	6.15	42.5	21.4	0.40	0.86	-148		125
6	1.469 / 5.56	1425	6.16	42.6	21.4	0.05	0.93	-149		125
8	2.611 / 9.88	1430	6.16	42.6	21.4	0.20	0.88	-149		125
10	4.08 / 15.44	1435	6.16	42.6	21.5	0.00	0.92	-146		125
	[1 gal. = 3.785 L]									

OVA Reading (ppm): N/A

Well Casing Diameter: 0.5

Total Well Depth: 10.0

Static Water Level: 2.80

Purge Vol. Calc.:

Tube @ 5 ft.

Start Purge (hr): 1405

End Purge (hr): 1435

Total Purge Time (min): 30

Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	DTW	Flow Rate
Date 1-22-00	Description	pH units	mS/cm	°C	NTU	mg/L	mV	ft BTOC	ml/min
Time 1435	CLEAR	6.16	42.6	21.5	0.00	0.92	-146	*	125

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	X
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1	1-liter	amber glass	X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

* MICRO WELL: NO H_2O Levels.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G. J. Sisco

Date 012300

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: Site 9

[ ] Domestic Well Data — Flow-Thru Cell: yes

Sample ID No.: NTL09G0[redacted]13

[X] Monitoring Well Data — Make\Model: Horiba

Sampled By: KJM

[ ] Other Well Type: ___ Serial No.: ___

C-O-C No.: 01232000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0905	3.8	18	19.3	19	1.6	-62	N/A	100
1	0.041 / 0.155	0910	3.8	18	19.3	12	1.4	-72		100
2	0.163 / 0.617	0915	3.9	18	19.5	14	1.4	-76		100
4	0.653 / 2.47	0920	3.9	18	19.6	12	1.2	-80		100
6	1.469 / 5.56	0925	3.9	18	19.6	15	1.4	-83		100
8	2.611 / 9.88	0935	3.9	18	19.9	14	0.8	-87		100
10	4.08 / 15.44	0940	3.9	18	19.9	9.5	0.7	-89		100
	[1 gal. = 3.785 L]	0945	3.9	18	20.0	7.4	0.6	-90		100
		0950	3.9	18	20.0	6.2	0.6	-91		100

OVA Reading (ppm):

Well Casing Diameter: 0.5

Total Well Depth: 10.0

Static Water Level: 2.80

Purge Vol Calc.:

Start Purge (hr): 0855

End Purge (hr): 0950

Total Purge Time (min):

Total Vol Purged

mS/m

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 012300									
Time 0950	clear	3.9	18	20.0	6.0	0.6	-92	N/A	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	X X
Pesticides	8081A	None	1	1-liter	amber glass	X
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	X X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___

Duplicate ID No.: ___

Signature(s): Kevin Murphy

Groundwater Purging and Sampling Log

Tetra Tech NUS

Date 1-23-00

Page 1 of ___

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-OID-09-14

[ ] Domestic Well Data

Flow-Thru Cell: ✓

Sample ID No. NTC09G01413

[X] Monitoring Well Data

Make\Model: Horiba/U-22

Sampled By: [illegible]

[ ] Other Well Type: ___

Serial No.: 9272045

C-O-C No.: ___

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0905	5.85	54.6	19.26	2.6	1.6	-39	5.74	100
1	0.041 / 0.155	0915	5.88	56.4	19.32	1.6	1.1	-44	—	100
2	0.163 / 0.617	0920	5.88	55.1	19.30	1.5	0.9	-47	—	100
4	0.653 / 2.47	0925	5.87	55.4	19.38	1.3	1.5	-46	—	100
6	1.469 / 5.56	0930	5.87	55.9	19.50	1.3	0.8	-48	—	100
8	2.611 / 9.88	0935	5.87	56.1	19.63	1.4	1.5	-51	—	100
10	4.08 / 15.44	0940	5.88	56.4	19.78	1.2	1.5	-53	—	100
	[1 gal. = 3.785 L]	0945	5.88	56.4	19.86	1.2	0.8	-54	—	100
		0950	5.88	56.5	19.94	1.2	1.3	-55	—	100
OVA Reading (ppm): None		0955	5.89	56.9	20.08	1.0	1.1	-57	—	100
		1000	5.90	56.8	20.19	1.1	1.7	-58	—	100
		1005	5.90	56.8	20.38	1.1	1.6	-59	—	100

Well Casing Diameter: 0.5"

Total Well Depth: 7.0

Static Water Level: 5.74

Purge Vol. Calc.:

Water Table @ 5'

Sampling Completed at 1215 Hrs.

Start Purge (hr): 0905

End Purge (hr): 1005

Total Purge Time (min): 60

Total Vol. Purged: 1 gal

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-23-00									
Time 1010	Clear	5.90	56.8	20.38	1.1	1.6	-59	5.76	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	—
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	2
Pesticides	8081A	None	1	1-liter	amber glass	2
Herbicides	8151	None	1	1-liter	amber glass	2
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	~~2~~ 4
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	2

ADDITIONAL INFORMATION

Comments:

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: None

Duplicate ID No.: NTC09D1304

Signature(s): [illegible]

Date 1-23-00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: OU3-SA9

[ ] Domestic Well Data — Flow-Thru Cell: HORIBA — Sample ID No.: NTC09G01513

[X] Monitoring Well Data — Make\Model: U-22 — Sampled By: G.F. Sisco

[ ] Other Well Type: _____ — Serial No.: 9272028 — C-O-C No.: 0123 2000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	0915	5.11	13.7	19.1	300	5.20	-11	*	100
1	0.041 / 0.155	0920	—	—	—	130	—	—		—
2	0.163 / 0.617	0940	4.88	7.2	20.4	29	2.10	-15		100
4	0.653 / 2.47	0945	4.80	7.1	20.7	22	3.54	-19		100
6	1.469 / 5.56	0950	4.78	7.0	20.9	22	3.38	-23		100
8	2.611 / 9.88	0955	4.78	7.2	21.0	25	4.18	-26		100
10	4.08 / 15.44	1000	4.78	7.1	21.1	24	5.00	-26		100
	[1 gal. = 3.785 L]	1005	4.76	7.2	21.3	24	2.80	-29		100
		1010	4.75	7.0	21.3	22	2.55	-29		100
OVA Reading (ppm):		1015	4.75	7.0	21.4	22	2.53	-31		100

DRAIN CELL RAISE TUBING 1 ft.

Well Casing Diameter: 0.5

Total Well Depth: ≈10.0 btoc (1' bls)

Static Water Level: 5.19 btoc

Purge Vol Calc:

TUBE @ 4.5' and 3.5' bls

Start Purge (hr): 0915

End Purge (hr): 1015

Total Purge Time (min): 60

Total Vol Purged: 6 l

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 1-23-00									
Time 1015	Slt. Cldy.	4.75	7.0	21.4	22	2.53	-31	*	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	X
Pesticides	8081A	None	1	1-liter	amber glass	X
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	2	1-liter	amber glass	X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:
*MICRO WELL: No H_2O Levels DURING PURGE.

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: —

Duplicate ID No.: —

Signature(s): G.F. Sisco

Date 01/23/00

Groundwater Purging and Sampling Log

Tetra Tech NUS

Project Site Name: NTC Orlando

Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA9 OLD-09-16

[ ] Domestic Well Data — Flow-Thru Cell: Yes — Sample ID No.: NTC09G01613

[X] Monitoring Well Data — Make\Model: ___ — Sampled By: WF

[ ] Other Well Type: ___ — Serial No.: NA — C-O-C No.: 01232000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1445	5.06	0.100	21.3	~~6.05~~ 7.30	1.8	-113	NA	100
1	0.041 / 0.155	1450	5.04	0.098	21.3	5.10	2.2	-122		100
2	0.163 / 0.617	1455	4.98	0.098	21.3	3.60	1.8	-133		100
4	0.653 / 2.47	1500	4.91	0.095	21.2	3.10	2.0	-127		100
6	1.469 / 5.56	1505	4.80	0.093	21.2	2.90	1.8	-123		100
8	2.611 / 9.88	1510	4.71	0.092	21.1	2.50	2.0	-121		100
10	4.08 / 15.44	1515	4.66	0.093	21.1	2.10	2.0	-119		100
	[1 gal. = 3.785 L]	1520	4.66	0.094	21.2	1.80	1.9	-120		100

OVA Reading (ppm): NA

Well Casing Diameter: 0.5

Total Well Depth: 7'

Static Water Level: 5.34

Purge Vol. Calc.: NA

Start Purge (hr): 1435

End Purge (hr): 1520

Total Purge Time (min): 45

Total Vol. Purged: 4.5 L

WATER QUALITY SAMPLE PARAMETERS

	Color	pH	S.C.	Temp.	Turbidity	DO	ORP	DTW	Flow Rate
Date 01/23/00	Description	pH units	mS/cm	°C	NTU	mg/L	mV	ft BTOC	ml/min
Time 1520	clear	4.66	0.094	21.2	1.8	1.9	-120	NA	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	~~✓~~
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	~~✓~~
Pesticides	8081A	None	1	1-liter	amber glass	✓
Herbicides	8151	None	1	1-liter	amber glass	✓
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	✓
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments: Microwell - no water level readings during purging

Method:
- [X] Peristaltic Pump
- [ ] Centrifugal Pump
- [ ] Bladder Pump
- [ ] Tube Evacuation
- [X] Vacuum Jug Assembly
- [ ] Bailer

Tubing Type:
- [ ] Polyethylene
- [X] Teflon
- [ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___

Duplicate ID No.: ___

Signature(s): [signature]

Date 012200

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)
Sample Location: Site 9

[ ] Domestic Well Data — Flow-Thru Cell: 1/cs — Sample ID No.: NTC09G01713

[X] Monitoring Well Data — Make\Model: Horiba — Sampled By: KSM

[ ] Other Well Type: _____ — Serial No.: _____ — C-O-C No.: 01232000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1545	6.4	14	21.3	8.6	4.6	72	NA	100
1	0.041 / 0.155	1550	6.3	13	21.1	6.3	3.9	74		100
2	0.163 / 0.617	1555	6.2	13	21.0	6.3	3.4	82		100
4	0.653 / 2.47	1600	6.1	13	21.0	6.3	3.1	87		100
6	1.469 / 5.56	1605	6.0	13	20.9	6.7	2.8	94		100
8	2.611 / 9.88	1610	6.0	13	21.0	6.7	2.6	96		100
10	4.08 / 15.44	1615	5.9	13	20.9	7.0	2.4	97		100
	[1 gal. = 3.785 L]	1620	5.9	13	20.8	7.4	2.2	98		100
		1625	5.9	13	20.7	7.5	2.1	96		100

OVA Reading (ppm):

Well Casing Diameter: 0.5
Total Well Depth: 10.0
Static Water Level: 3.59
Purge Vol. Calc.:

Start Purge (hr): 1535
End Purge (hr): 1625
Total Purge Time (min):
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date 012200									
Time 1625	1625	5.9	13	20.7	7.5	2.1	97	N/A	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	
Pesticides	8081A	None	1	1-liter	amber glass	X
Herbicides	8151	None	1	1-liter	amber glass	X
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	X
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	X

ADDITIONAL INFORMATION

Comments:

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[X] Tube Evacuation
[ ] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: _____

Duplicate ID No.: _____

Signature(s): [signature]

Date 1/22/00

Groundwater Purging and Sampling Log
Tetra Tech NUS

Project Site Name: NTC Orlando
Project No.: 7457/BE005C755 (OU3) or 810 (SA2) or 845 (SA52)

Sample Location: SA9 OLD-09-19

[ ] Domestic Well Data — Flow-Thru Cell: Yes

Sample ID No.: NTC09601913

[X] Monitoring Well Data — Make\Model: ___

Sampled By: WF

[ ] Other Well Type: ___ — Serial No.: ___

C-O-C No.: 01222000

PURGING DATA

Casing Size (in.)	Gals. / Liters per ft. of Water	Time Hr:Min	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
0.5	0.01 / 0.038	1455	5.73	0.153	24.0	10.66	4.2	-89	3.33	100
1	0.041 / 0.155	1500	5.71	0.150	23.8	10.19	2.9	-99	3.33	100
2	0.163 / 0.617	1505	5.72	0.151	23.6	8.43	1.8	-112	3.33	100
4	0.653 / 2.47	1510	5.73	0.153	23.5	7.19	1.8	-122	3.33	100
6	1.469 / 5.56	1515	5.75	0.158	23.6	6.37	1.8	-135	3.33	100
8	2.611 / 9.88	1520	5.78	0.161	23.6	5.43	1.6	-139	3.33	100
10	4.08 / 15.44	1525	5.79	0.165	23.5	5.10	1.7	-142	3.33	100
	[1 gal. = 3.785 L]	1530	5.80	0.171	23.5	5.27	1.5	-147	3.33	100
		1535	5.81	0.173	23.3	4.53	1.6	-150	3.33	100
OVA Reading (ppm): NA		1540	5.81	0.174	23.3	4.55	1.5	-151	3.33	100
		1545	5.81	0.174	23.2	4.27	1.4	-151	3.33	100

Well Casing Diameter: 2"
Total Well Depth: 30.5
Static Water Level: 3.32
Purge Vol. Calc.: NA

Start Purge (hr): 1445
End Purge (hr): 1545
Total Purge Time (min): 60
Total Vol. Purged:

WATER QUALITY SAMPLE PARAMETERS

	Color Description	pH pH units	S.C. mS/cm	Temp. °C	Turbidity NTU	DO mg/L	ORP mV	DTW ft BTOC	Flow Rate ml/min
Date: 1/22/00									
Time: 1545	Clear	5.81	0.174	23.2	4.27	1.4	-151	3.33	100

ANALYSES INFORMATION

Analysis		Preservative	Container Requirements			Collected
TCL VOCs	8260B	HCl	3	40 ml	glass vials	✓
SVOCs/PAHs	8270C/8310	None	2	1-liter	amber glass	✓
Pesticides	8081A	None	1	1-liter	amber glass	✓
Herbicides	8151	None	1	1-liter	amber glass	✓
X-tra Organic	8XXX	None	1 or 2	1-liter	amber glass	✓
TAL Metals	6000/7000	HNO_3	1	1-liter	HDPE	✓

ADDITIONAL INFORMATION

Comments:

Method:
[X] Peristaltic Pump
[ ] Centrifugal Pump
[ ] Bladder Pump
[ ] Tube Evacuation
[X] Vacuum Jug Assembly
[ ] Bailer

Tubing Type:
[ ] Polyethylene
[X] Teflon
[ ] Teflon-lined Polyethylene

QA\QC SAMPLES

MS/MSD: ___
Duplicate ID No.: ___

Signature(s):