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CNC CHARLESTON
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SECOND QUARTER 2001 MONITORING REPORT ZONE I BUILDING NS200 CNC CHARLESTON SC

06/01/2001

CH2M HILL

Second Quarter 2001 Monitoring Report
Zone I, Building NS200
Charleston Naval Complex
North Charleston, South Carolina
SCDHEC NO. 17624

RECEIVED

JUL 12 2001

Water Monitoring, Assessment &
Protection Division

Prepared by:

CH2M-Jones, LLC.
Charleston Naval Complex
1849 Avenue F
North Charleston, South Carolina 29405
June 2001

Prepared For:

Southern Division Naval Facilities Engineering Command
P.O. Box 190010
North Charleston, South Carolina 29419-9010

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Building NS200
Charleston Naval Complex
North Charleston, South Carolina

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1.0 INTRODUCTION

1.1 Background

The Charleston Naval Complex is located on the banks of the Cooper River in Charleston County, South Carolina, and lies within the corporate boundaries of the city of North Charleston, approximately 5 miles north of the city of Charleston. The Complex is bounded on the east by the Cooper River and on the north, south, and west by the city of North Charleston.

1.2 General Site Description

The CNC is located in the city of North Charleston, on the west bank of the Cooper River in Charleston County, South Carolina as shown in Figure 1. This installation consists of two major areas: an undeveloped dredge materials area on the east bank of the Cooper River on Daniel Island in Berkley County, and a developed area on the west bank of the Cooper River. The developed portion of the base is on the peninsula bounded on the west by the Ashley River and on the east by the Cooper River. The site is located within the developed portion of the base (Tetra Tech, NUS [TTNUS], 2000).

Building NS200 is a former office building located in the northern half of Zone I at CNC. Building NS200 is located on the north side of Hobson Avenue between Piers R and S (Figure 3-1), and is currentlt occupied by the National Oceanic and Atmospheric Administration (NOAA) Coastal Service Center. The UST at Building NS200 was a 1,000 gallon unregulated fuel oil UST installed in 1953. The UST supplied fuel oil to operate the building's heating system. For more information on the removal of the UST at Building NS200 see the Corrective Action Plan April 2000.

1.3 Previous Investigation

From April 6, 1998 through July 8, 1998, the Environmental Detachment Charleston (DET) conducted a field investigation. DET presented the results of the investigation in its Contamination Assessment Report (CAR; March 10, 1999). To supplement the DET investigation, TTNUS completed a Rapid Assessment (RA) for UST NS200. During the RA, TTNUS reviewed available documents, measured groundwater levels, and conducted Tier I and Tier II evaluations of the risk present at the site. The information from the Rapid Assessment Report (RAR), prepared by TTNUS, dated January 2000, is summarized in Section 2.0 of the Corrective Action Plan.

1.4 Groundwater monitoring results- April 2001

Groundwater samples were collected from groundwater monitoring wells NBCT200TW01, NBCT200TW01. NBCT200TW03, and NBCL037001I. by CH2M-Jones, LLC on April 11 and 12, 2001 (First round 2001). In addition to BTEX and naphthalene, one trip blank and one equipment blank were collected for quality assurance. Groundwater samples were analyzed by a certified Laboratory (see figure 3-2 for sample locations).

Laboratory analytical results for all monitoring wells 8 are shown in Table 2-2.

Groundwater samples were all below the detection limit for BTEX and Naphthalene.

1.5 Groundwater monitoring results- June 2001

Groundwater samples were collected from groundwater monitoring wells NBCT200TW01, NBCT200TW01. NBCT200TW03, and NBCL037001I. by CH2M-Jones, LLC on June 12, 2001 (Second round 2001). In addition to BTEX and naphthalene, one trip blank and one equipment blank were collected for quality assurance. Groundwater samples were analyzed by a certified Laboratory (see figure 3-3 for sample locations).

Laboratory analytical results for all monitoring wells 8 are shown in Table 2-2.

Groundwater samples were all below the detection limit for BTEX and Naphthalene.

1.6 Conclusion

Both the first and second round 2001 analytical results were below the detection limit for BTEX and naphthalene. Analytical results present no evidence that COC's have leached into the groundwater. CH2M-Jones, LLC recommends No Further Action for Zone I, Building NS200 (SCDHEC No: 17624).

TABLES

Table 2.1
Summary of Groundwater Laboratory Analyses
Second round 2001
Zone I, Building NS200
Charleston Naval Complex
North Charleston, South Carolina

Parameters	200TW01	200TW02	200TW03	NBCL037001I
Naphthalene	0.68	0.25	0.19	0.17
Benzene	0.27	BDL	BDL	BDL
Toluene	0.23	BDL	BDL	BDL
Ethyl Benzene	BDL	BDL	BDL	BDL
Xylene	0.32	BDL	BDL	BDL

NS= Not Sampled
BDL= Below Detection Limits
BRL= Below Reporting Limits

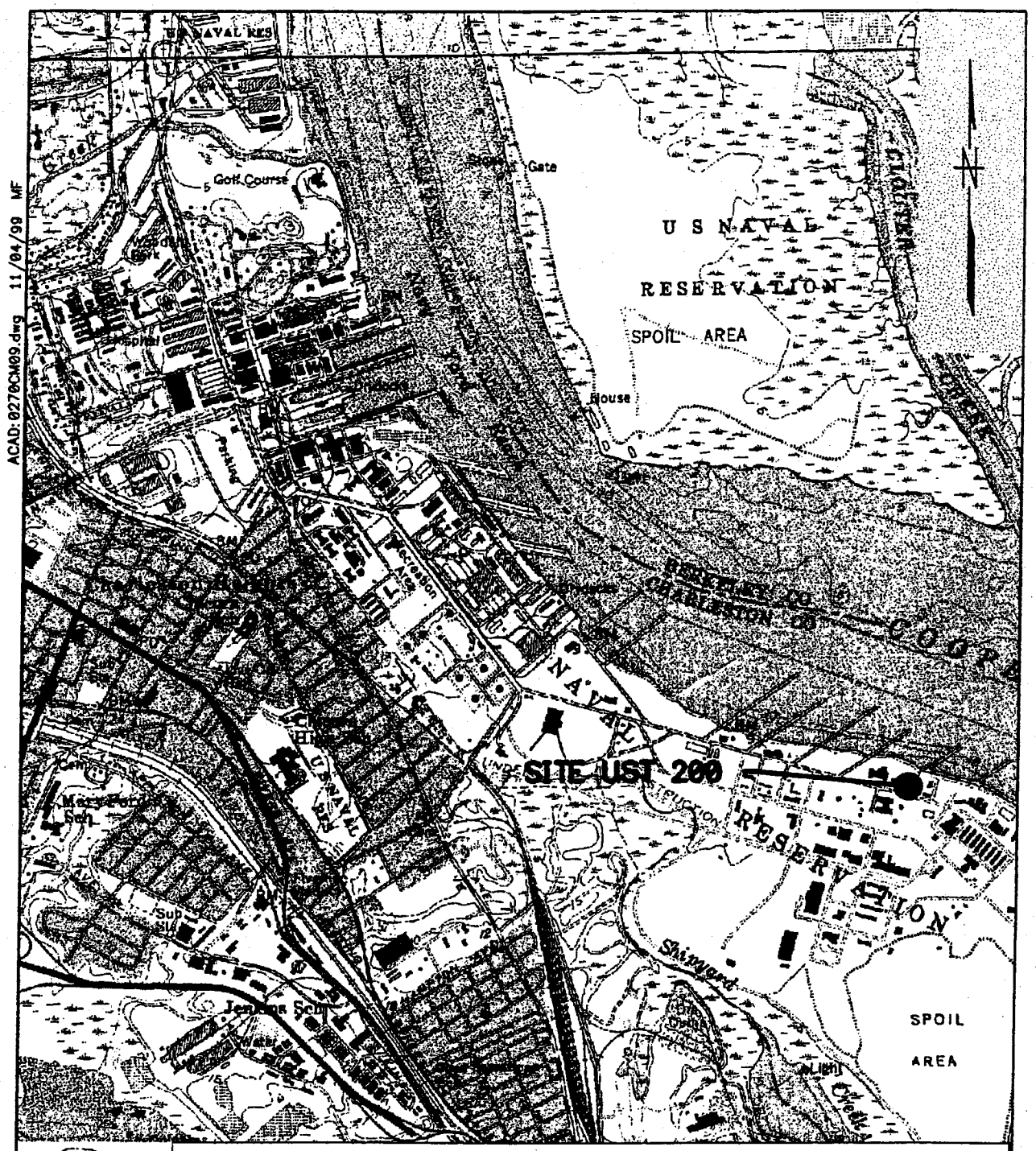
Table 2.1
Summary of Groundwater Laboratory Analyses
First round 2001
Zone I, Building NS200
Charleston Naval Complex
North Charleston, South Carolina

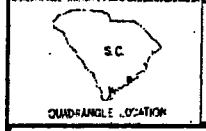
Parameters	200TW01	200TW02	200TW03	NBCL037001I
Naphthalene	NS	NS	NS	NS
Benzene	0.16	BDL	BDL	BDL
Toluene	BDL	BDL	BDL	BDL
Ethyl Benzene	BDL	BDL	BDL	BDL
Xylene	0.16	BDL	BDL	BDL

NS= Not Sampled
BDL= Below Detection Limits
BRL= Below Reporting Limits

FIGURES

ACAD:0270CM09.dwg 11/04/99 MF





SOURCE: QUADRANGLE MAP SOUTH CAROLINA, REVISED 1979
QUADRANGLE MAP NORTH CHARLESTON REVISED, 1979

0 2000 4000
SCALE IN FEET

DRAWN BY MF DATE 11/4/99	DEPARTMENT OF THE NAVY SOUTHERN DIV FACILITIES ENGINEERING COMD	SITE LOCATION MAP SITE UST 200, BUILDING NS200 ZONE I, CHARLESTON NAVAL COMPLEX NORTH CHARLESTON, SOUTH CAROLINA	CONTRACT NO. 0270
CHECKED BY DATE			APPROVED BY DATE
COST/SCHED-AREA			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 1 / REV. 0

FORM CADD NO. SDIV_AV.DWG - REV 0 - 1/20/98

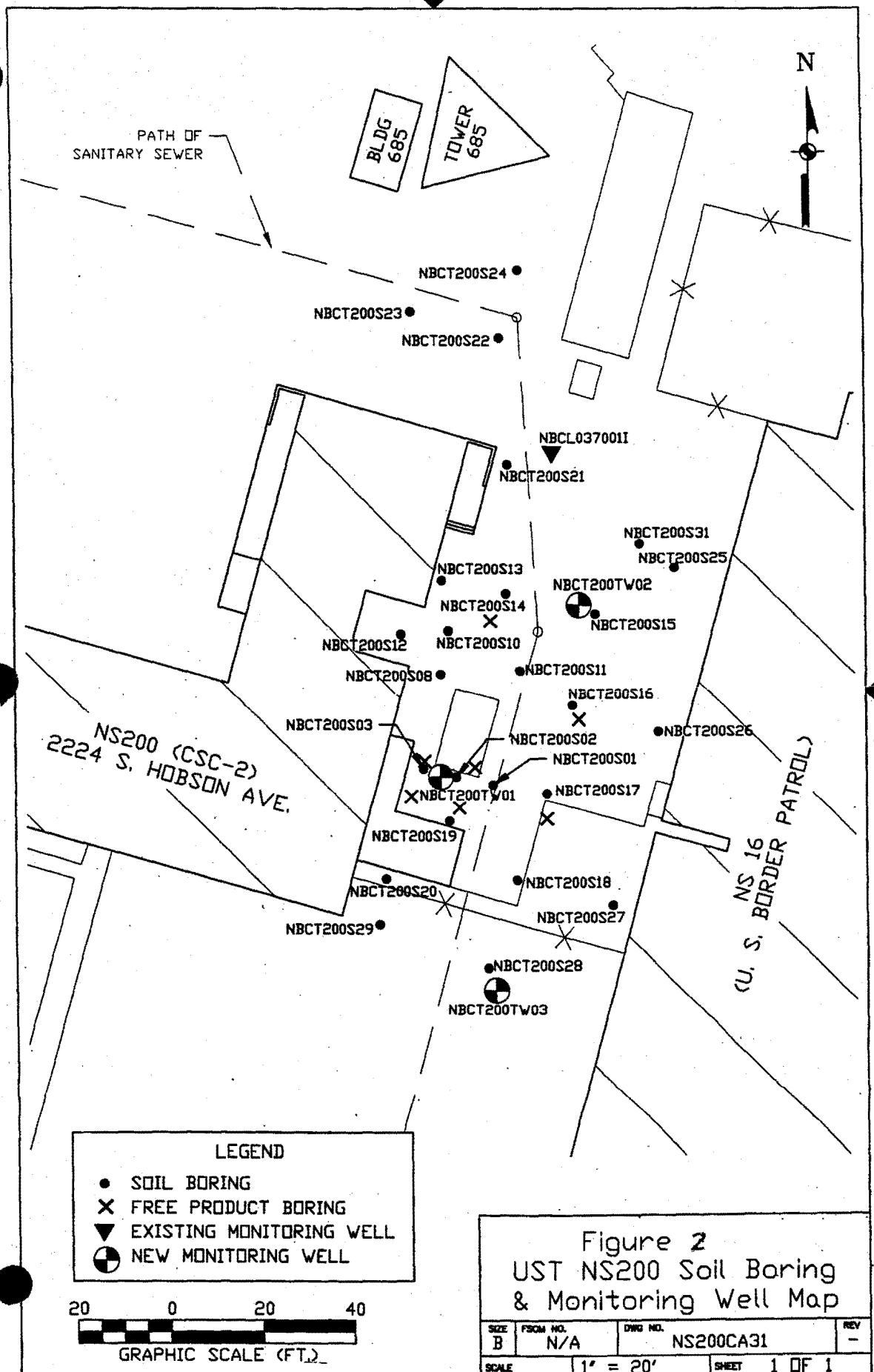


Figure 2
UST NS200 Soil Boring & Monitoring Well Map

SIZE	FSCM NO.	DWG NO.	REV
B	N/A	NS200CA31	–
SCALE	1" = 20'	SHEET	1 OF 1

SOURCE: CONTAMINATION ASSESSMENT REPORT, ENVIRONMENTAL DETACHMENT CHARLESTON, MARCH 10, 1999

FIELD NOTES
(April 11 and 12, 2001)

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 4-11-01
JOB No: 093	WELL No: NBCL037001I

PROJECT NAME: Charleston Naval Complex

WELL No: 037001I

WEATHER CONDITIONS Sunny 80's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? N/A	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 1415
TYPE: Flush Mount	STOP: 1435
DEPTH TO BOTTOM OF WELL: 13.09	VOLUME PURGED: 4.5 gallons
DEPTH TO WATER SURFACE: 4.22	COMMENTS:
LENGTH OF WATER: 8.87	COMPLETION: yes
VOLUME OF WATER (1WV): 1.43	SAMPLE COLLECTED: 1440
3 VOLUMES OF WATER (3WV): 4.3	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
1425	1WV	6.95	0.14	-10.0	2.7	20.0	-416
1430	2WV	6.93	0.14	-10.0	0.4	19.7	-172
1435	3WV	6.95	0.15	-10.0	0.3	19.5	-179

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 4-11-01
JOB No: 093	WELL No: NBCT200TW02

PROJECT NAME: Charleston Naval Complex

WELL No: 200TW02

WEATHER CONDITIONS Sunny 80's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? N/A	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 1450
TYPE: Stick –up well	STOP: 1515
DEPTH TO BOTTOM OF WELL: 16.54	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 8.11	COMMENTS: Duplicate collected at 1530
LENGTH OF WATER: 8.43	COMPLETION: yes
VOLUME OF WATER (1WV): 1.36	SAMPLE COLLECTED: 1530
3 VOLUMES OF WATER (3WV): 4.0	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
1500	1WV	6.90	0.15	16.3	0.6	20.1	-89
1510	2WV	6.91	0.15	20.2	0.80	19.8	-134
1515	3WV	6.91	0.15	38.9	0.60	19.8	-144

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 4-12-01
JOB No: 093	WELL No: NBCT200TW03

PROJECT NAME: Charleston Naval Complex

WELL No: 200TW03

WEATHER CONDITIONS Sunny 80's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? 200TW02	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 0800
TYPE: Stick –up well	STOP: 0815
DEPTH TO BOTTOM OF WELL: 15.81	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 7.77	COMMENTS: Equipment Blank @ 0830
LENGTH OF WATER: 8.04	COMPLETION: yes
VOLUME OF WATER (1WV): 1.30	SAMPLE COLLECTED: 0830
3 VOLUMES OF WATER (3WV): 3.90	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
0805	1WV	6.87	0.19	-7.7	0.6	16.9	-170
0810	2WV	6.87	0.18	-4.5	0.4	16.8	-174
0815	3WV	6.87	0.17	-6.4	0.3	16.8	-177

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 4-12-01
JOB No: 093	WELL No: NBCT200TW01

PROJECT NAME: Charleston Naval Complex

WELL No: 200TW01

WEATHER CONDITIONS Sunny 80's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? 200TW03	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 08350
TYPE: Stick –up well	STOP: 0850
DEPTH TO BOTTOM OF WELL: 17.23	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 8.96	COMMENTS: light odor
LENGTH OF WATER: 8.27	COMPLETION: yes
VOLUME OF WATER (1WV): 1.3	SAMPLE COLLECTED: 0900
3 VOLUMES OF WATER (3WV): 3.9	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
0840	1WV	6.75	0.12	0.9	0.3	18.4	-151
0845	2WV	6.75	0.12	-0.5	0.3	18.4	-159
0850	3WV	6.79	0.12	0.1	0.2	18.4	-167

FIELD NOTES
(June 12, 2001)

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 6-12-01
JOB No: 093	WELL No: NBCT200TW02

PROJECT NAME: Charleston Naval Complex

WELL No: 200TW02

WEATHER CONDITIONS Cloudy 70's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? NA	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 0925
TYPE: Stick –up well	STOP: 0950
DEPTH TO BOTTOM OF WELL: 16.54	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 8.71	COMMENTS:
LENGTH OF WATER: 7.83	COMPLETION: yes
VOLUME OF WATER (1WV): 1.26	SAMPLE COLLECTED: 0955
3 VOLUMES OF WATER (3WV): 3.8	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
0930	1WV	6.60	13.0	-10	3.4	22.9	-55
0940	2WV	6.61	13.1	-10	2.9	22.9	-60
0950	3WV	6.66	0.15	-10	0.6	22.6	-79

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 6-12-01
JOB No: 093	WELL No: NBCT200TW01

PROJECT NAME: Charleston Naval Complex

WELL No: 200TW01

WEATHER CONDITIONS Sunny 70's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? 200TW02	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 1005
TYPE: Stick –up well	STOP: 1030
DEPTH TO BOTTOM OF WELL: 17.23	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 9.91	COMMENTS: light odor
LENGTH OF WATER: 7.32	COMPLETION: yes
VOLUME OF WATER (1WV): 1.18	SAMPLE COLLECTED: 1035
3 VOLUMES OF WATER (3WV): 3.5	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
1010	1WV	6.49	0.10	-10	0.3	21.5	-96
1020	2WV	6.51	0.10	-10	0.3	21.5	-104
1030	3WV	6.54	0.10	-10	0.3	21.5	-110

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 6-12-01
JOB No: 093	WELL No: NBCL037001I

PROJECT NAME: Charleston Naval Complex

WELL No: NBCL037001I

WEATHER CONDITIONS Sunny 70's.

REVIEWED BY: BRC

PURGING DEVICE	SAMPLING DEVICE
TYPE DEVICE: P. Pump WHICH WELL WAS PREVIOUSLY PURGED? 200TW01	TYPE DEVICE: P. Pump

INITIAL WELL VOLUME	PURGING
WELL DIAMETER: 2"	START: 1040
TYPE: Flush Mount	STOP: 1110
DEPTH TO BOTTOM OF WELL: 17.23	VOLUME PURGED: 4.0 gallons
DEPTH TO WATER SURFACE: 9.91	COMMENTS: Equipment Blank @ 1120
LENGTH OF WATER: 7.32	COMPLETION: yes
VOLUME OF WATER (1WV): 1.18	SAMPLE COLLECTED: 1115
3 VOLUMES OF WATER (3WV): 3.5	

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
1050	1WV	6.70	0.19	-10	0.3	24.3	-93
1100	2WV	6.75	0.23	-10	0.2	24.3	-125
1110	3WV	6.82	0.25	-10	0.2	24.3	-174

Groundwater Sampling Form

LOCATION:CNC, Zone I Bldg NS200	DATE: 6-12-01
JOB No: 093	WELL No: NBCT200TW03

PROJECT NAME: Charleston Naval Complex

WELL No: NBCT200TW03

WEATHER CONDITIONS Sunny 70's.

REVIEWED BY: BRC

PURGING DEVICE

TYPE DEVICE: P. Pump

WHICH WELL WAS PREVIOUSLY PURGED? NBCL037001I

SAMPLING DEVICE

TYPE DEVICE: P. Pump

INITIAL WELL VOLUME

WELL DIAMETER: 2"

TYPE: Stick-up well

DEPTH TO BOTTOM OF WELL: 15.81

DEPTH TO WATER SURFACE: 8.38

LENGTH OF WATER: 7.43

VOLUME OF WATER (1WV): 1.20

3 VOLUMES OF WATER (3WV): 3.60

PURGING

START: 1125

STOP: 1155

VOLUME PURGED: 4.0 gallons

COMMENTS:

COMPLETION: yes

SAMPLE COLLECTED: 1200

IN SUTU TESTING

TIME:	WELL VOLUME PURGED	pH	CONDUCTIVITY	TURBIDITY	DO	WATER TEMP.	ORP
1135	1WV	6.67	0.18	-10	0.3	20.4	-115
1145	2WV	6.70	0.17	-10	0.2	20.5	-126
1155	3WV	6.69	0.17	-10	0.2	20.3	-132

ANALYTICAL RESULTS
April 2001

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648001
Sample Location:
Sample Date: 12-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200GW001L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.68	J
71-43-2	Benzene	0.27	J
108-88-3	Toluene	0.23	J
1330-20-7	Xylenes (total)	0.32	J
95-47-6	o-Xylene	0.32	J
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	44.2	
2037-26-5	Toluene-d8	47.3	
1868-53-7	Dibromofluoromethane	48.0	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648005
Sample Location:
Sample Date: 12-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200EW001L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.26	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	0.27	J
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	45.1	
2037-26-5	Toluene-d8	47.9	
1868-53-7	Dibromofluoromethane	47.9	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648004
Sample Location:
Sample Date: 12-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: NBC1037001I
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.17	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	44.2	
2037-26-5	Toluene-d8	46.5	
1868-53-7	Dibromofluoromethane	50.3	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648003
Sample Location:
Sample Date: 12-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200GW003L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.19	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	43.9	
2037-26-5	Toluene-d8	46.1	
1868-53-7	Dibromofluoromethane	50.0	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648002
Sample Location:
Sample Date: 11-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200GW002L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.25	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	43.8	
2037-26-5	Toluene-d8	46.9	
1868-53-7	Dibromofluoromethane	50.5	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648006
Sample Location:
Sample Date: 11-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200HW002L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.20	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	44.0	
2037-26-5	Toluene-d8	47.2	
1868-53-7	Dibromofluoromethane	50.1	

General Engineering Laboratories, Inc.

TARGET COMPOUNDS

Client Name:
Lab Smp Id: 40648007
Sample Location:
Sample Date: 12-APR-2001
Sample Matrix: WATER
Analysis Type: VOA
Data Type: MS DATA
Misc Info: |VOA8260BLF|

Client SDG: 40648
Client Smp ID: 200TW001L2
Sample Point:
Date Received: 12-APR-2001
Quant Type: ISTD
Level: LOW
Operator: VJ

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/KG) ug/l	Q
91-20-3	Naphthalene	0.24	J
71-43-2	Benzene	1.0	U
108-88-3	Toluene	1.0	U
1330-20-7	Xylenes (total)	3.0	U
95-47-6	o-Xylene	1.0	U
	m,p-Xylenes	2.0	U
100-41-4	Ethylbenzene	1.0	U
460-00-4	Bromofluorobenzene	43.6	
2037-26-5	Toluene-d8	45.4	
1868-53-7	Dibromofluoromethane	52.0	

ANALYTICAL RESULTS
June 2001

General Engineering Laboratories, Inc.
2040 Savage Road
Charleston, South Carolina 29407
P.O. Box 30712
Charleston, South Carolina 29417
(843) 556-8171

CHAIN OF CUSTODY RECORD

Page 1 of 1

44294½

Client Name/Facility Name: CH2M-JONES

Collected by/Company: CH2M-JONES

SAMPLE ANALYSIS REQUIRED (x) - use remarks area to specify specific compounds or methods

Use F or P in the boxes to indicate whether sample was filtered and/or preserved

SAMPLE ID	DATE	TIME	WELL	SOIL	COMP	GRAB	# OF CONTAINERS	VOC 8260	~~#~~ BTC	Remarks
200GW001L3	6-12-01	1035	X				3	X	X	Odor
200GW002L3	6-12-01	955	X				3	X	X	
200GW003L3	6-12-01	1200	X				3	X	X	21 day turnaround
NBCL037001IL3	6-12-01	1115	X				3	X	X	
200EW001L3	6-12-01	1120	X				3	X		
200TW001L3	6-11-01 Lab Supplied	1050	X				3	X		

Relinquished by:	Date:	Time:	Received by:	Relinquished by:	Date:	Time:	Received by:
[signature]	6-12-01						

Relinquished by:	Date:	Time:	Received by lab by:	Date:	Time:	Remarks:
			Patricia Dower	6/15/01	17:00	

White = sample collector Yellow = file Pink = with report

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5P227

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/26/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	10.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	0.16	JB
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294001

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 5P227

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/26/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	0.16	J
1330-20-7	Xylenes (total)	0.16	J
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

FORM I VOA OLM03.0

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW002L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50738

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	10.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW002L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294002

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50738

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6---------	o-Xylene	5.0	U
1330-20-7-------	Xylenes (total)	5.0	U
100-42-5--------	Styrene	5.0	U
75-25-2---------	Bromoform	5.0	U
79-34-5---------	1,1,2,2-Tetrachloroethane	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW003L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50739

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	10.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200GW003L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294003

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50739

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6---------	o-Xylene	5.0	U
1330-20-7-------	Xylenes (total)	5.0	U
100-42-5--------	Styrene	5.0	U
75-25-2---------	Bromoform	5.0	U
79-34-5---------	1,1,2,2-Tetrachloroethane	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200TW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50734

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	10.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200TW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294006

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50734

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylenes (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NBCL037001IL3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50740

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	10.0	U
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

NBCL037001IL3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294004

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50740

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1330-20-7	Xylenes (total)	5.0	U
100-42-5	Styrene	5.0	U
75-25-2	Bromoform	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200EW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50741

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10.0	U
75-01-4	Vinyl chloride	10.0	U
74-83-9	Bromomethane	10.0	U
75-00-3	Chloroethane	10.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
67-64-1	Acetone	1.8	J
75-15-0	Carbon disulfide	5.0	U
75-09-2	Methylene chloride	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
108-05-4	Vinyl acetate	10.0	U
78-93-3	2-Butanone	10.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
540-59-0	1,2-Dichloroethylene (total)	5.0	U
67-66-3	Chloroform	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
71-43-2	Benzene	5.0	U
79-01-6	Trichloroethylene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
110-75-8	2-Chloroethylvinyl ether	10.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
108-10-1	4-Methyl-2-pentanone	10.0	U
108-88-3	Toluene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
591-78-6	2-Hexanone	10.0	U
127-18-4	Tetrachloroethylene	5.0	U
124-48-1	Dibromochloromethane	5.0	U
108-90-7	Chlorobenzene	5.0	U
100-41-4	Ethylbenzene	5.0	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

200EW001L3

Lab Name: GENERAL ENGINEERING LABOR Contract: N/A

Lab Code: N/A Case No.: N/A SAS No.: N/A SDG No.: 44294

Matrix: (soil/water) WATER Lab Sample ID: 44294005

Sample wt/vol: 5.000 (g/ml) ML Lab File ID: 50741

Level: (low/med) LOW Date Received: 06/15/01

% Moisture: not dec. _____ Date Analyzed: 06/25/01

GC Column: DB-624 ID: 0.25 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
----------	m,p-Xylenes	5.0	U
95-47-6---------	o-Xylene	5.0	U
1330-20-7-------	Xylenes (total)	5.0	U
100-42-5--------	Styrene	5.0	U
75-25-2---------	Bromoform	5.0	U
79-34-5---------	1,1,2,2-Tetrachloroethane	5.0	U