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NS MAYPORT
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LETTER REGARDING SOLID WASTE MANAGEMENT UNITS 6 AND 7 LIGHT NONAQUEOUS PHASE LIQUID RECOVERY SYSTEM SUMMARY FOR OCTOBER NS MAYPORT FL
11/14/1996
BECHTEL ENVIRONMENTAL

Bechtel

Quarters E, G Avenue
P. O. Box 171
Jacksonville, Florida 32215
Telephone: (904) 779-8900
Facsimile: (904) 779-8999

November 14, 1996

Commanding Officer
Department of the Navy, Southern Division
Naval Facilities Engineering Command
Attn: Mr. David Driggers
2155 Eagle Drive
North Charleston, SC 29406

SUBJECT: Bechtel Job No. 22567
Department of the Navy Contract No. N62467-93-D-0936
DO 10: SWMU 6 & 7 LNAPL RECOVERY SYSTEM OCTOBER SUMMARY
NS MAYPORT, FLORIDA
Subject Code: 1200

Dear Mr. Driggers:

Enclosed for your records are the SWMU 6 & 7 LNAPL Recovery System Summary for the month of October.

If you have any questions, please feel free to contact Frank Cater or myself at (904) 779-8900.

Sincerely,

E. Najmola for

V. Hermann Bauer
Project Manager

VHB/tdfj
Encl.: As Stated.
cc: C. Mitchell
J. Wallmeyer
M. Berry
F. Lesesne
T. Hansen
J. Cason
E. Najmola

fol

Monthly LNAPL Recovery System Report for NS Mayport SWMU 6 & 7
October 1996

Start Date:	9/30/96
End Date:	10/31/96
Report Date:	11/13/96

SUMMARY OF OPERATIONS:

Start of Flow Meter Reading (primary discharge): FQI-6 745,960.0 gallons

End of Flow Meter Reading (primary discharge): FQI-6 956,281.0 gallons

Total Fluid Discharge: 210,321.0 gallons

Sump Meter Readings:

	SM1FM	SM2FM	SM3FM	SM4FM	SM5FM
Start:	157,107.0	116,099.0	29,569.0	144,508.0	40,817.0
End:	221,131.0	179,581.0	41,266.0	188,492.0	73,632.0

Total Fluid Discharge from Each Sump:

SM1FM	SM2FM	SM3FM	SM4FM	SM5FM
64,024.0	**63,482.0**	**11,697.0**	**43,984.0**	**32,815.0**

Table of Sump Drawdown Readings: See Attachment A

SUMMARY OF MAINTENANCE

Activities Performed (normal):

LNAPL was inspected weekly and checklists completed to record discharges.

Activities Performed (non-schedule):

Based on routine maintenance inspections sump 4 pump is turned off. Further discussion is provided on page 2 of this report.

Monthly LNAPL Recovery System Report
for NS Mayport SWMU 6 & 7
October 1996

Start Date:	9/30/96
End Date:	10/31/96
Report Date:	11/13/96

Sampling Results:

Groundwater samples taken September 26th and October 18th are provided in Section B. Results from September 26th are final. The results from October 18th are preliminary, the final results of which will be supplied in November's report.

SUMMERY OF PUMP PERFORMANCE:

Sump 1 pump is leaking air which causes bubbles to form on the surface of the water in the well. This produces a loss of efficiency in the pump. The source of this inefficiency is attributed to the need for new O-Rings, which are scheduled to be replaced in November.

Sump 2 pump is mechanically fit.

Sump 3 pump is mechanically fit but produces a low recovery rate which is attributed to the slow regeneration of the well.

Sump 4 pump was running straight air (no water) through its line. This produces a false total flow readings. The pump is turned off. It is suspected that the source of this malfunction is a valve not functioning properly in the pump. This repair is planned for November.

Sump 5 pump is mechanically fit. However, the productivity of sump 5 seems to be influenced by the rise and fall of the tide. Further investigation of tidal influence is planned for November and December.

The total fluids as measured by each sump equals 216,002.0. The total fluid discharge is 210,321.0. This discrepancy is attributed to meter error.

ATTACHMENTS

ATTACHMENT A:	TABLE OF SUMP DRAWDOWN READINGS
ATTACHMENT B:	GROUNDWATER SAMPLE RESULTS
ATTACHMENT C:	COPY OF FIELD MONITORING SHEET

ATTACHMENT A

TABLE OF SUMP DRAWDOWN READINGS

Table of Sump Drawdown

Date	Time	Sump #1 Depth to Water Table	Sump #2 Depth to Water Table	Sump #3 Depth to Water Table	Sump #4 Depth to Water Table	Sump #5 Depth to Water Table	Discharge ON/OFF
7/9/96		NR	NR	NR	NR	NR	NR
7/10/96		NR	NR	NR	NR	NR	NR
7/11/96	8:30	131.75"	147.5"	160"	122.75"	149.5"	OFF
	13:20	156.75"	168.75"	159.75"	142.25"	174.75"	ON
7/12/96		NR	NR	NR	NR	NR	NR
7/15/96		NR	NR	NR	NR	NR	NR
7/16/96		NR	NR	NR	NR	NR	NR
7/18/96	9:15	162"	171.75"	162.5"	147.75"	190.5"	ON
7/22/96		NR	NR	NR	NR	NR	NR
8/1/96		NR	NR	NR	NR	NR	NR
8/5/96	10:50	165.75"	170.75"	200.75"	151.75"	190"	ON
8/9/96	10:55	156"	160.25"	200.5"	139"	160"	ON
8/13/96	13:00	161.75"	165.5"	198.5"	145.5"	181.75"	ON
8/15/96		NR	NR	NR	NR	NR	NR
8/26/96		NR	NR	NR	NR	NR	NR
8/30/96	9:09	163"	169.5"	199.5"	141.5"	189"	OFF
9/5/96		NR	NR	NR	NR	NR	NR
9/9/96	12:00	160"	170.25"	198"	142.75"	192.25"	OFF
9/11/96		NR	NR	NR	NR	NR	NR
9/16/96	12:45	155"	162.5"	198.5"	134.75"	192"	OFF
9/19/96	10:41	153"	163.5"	198.5"	136.5"	187.5"	ON
9/23/96	11:30	152.5"	163.5"	198.5"	120.25"	147.25"	ON
9/26/96	10:50	151.75"	161.75"	200"	116.5"	188.25"	ON

*NR = not recorded

SUMPDRAW.XLS
11/7/96

Table of Sump Drawdown

Date	Time	Sump #1 Depth to Water Table	Sump #2 Depth to Water Table	Sump #3 Depth to Water Table	Sump #4 Depth to Water Table	Sump #5 Depth to Water Table	Discharge ON/OFF
9/30/96	11:25	145.5"	158.25"	200.25"	119.25"	183"	ON
10/3/96		NR	NR	NR	NR	NR	NR
10/7/96	11:00	NR	NR	NR	NR	113.5"	ON
10/14/96	10:35	131.5"	NR	NR	NR	NR	ON
10/17/96	14:00	136.0"	148.75"	200.5"	123.5"	197.0"	ON
10/21/96	10:30	144.5"	161.0"	200.25"	131.0"	197.0"	ON
10/24/96	9:25	134.5"	NR	NR	NR	NR	ON
10/28/96	9:00	143.5"	158.0"	200.5"	112.5"	193.0"	ON
11/5/96	11:38	153.5"	164.75"	200.25"	117.75"	196.75"	OFF

*NR = not recorded

SUMPDRAW.XLS
11/7/96

ATTACHMENT B

GROUNDWATER SAMPLE RESULTS

Volatile ,anics

NS Mayport S..MU 6 and 7
Groundwater Sample Data

Sample Analyzed By	GEL	GEL	GEL	GEL
Sample Number	**MP06084GWT**	**MP06086GWDL1**	**MPO6087GWT**	**MPO6089GWT**
EPA Method	8240	8240	8240	8240
Date	7/16/96	8/16/96	9/26/96	10/17/96
	ug/l	ug/l	ug/l	ug/l
COMPOUND				
Acetone	0.00	0.00	**11.20**	**21.00****
Toluene	**0.36J**	**1.10**	0.00	0.00
Ethylbenzene	**0.73J**	0.00	0.00	0.00
Xylenes (total)	**3.50J**	0.00	0.00	0.00

*Note: 0.00 represents the amount detected was not above the dection limit, not that there was 0.00 compound detected.

**Preliminary Data

J = indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL)

NS Mayport S. MU 6 and 7
Groundwater Contamination Data

Sample Analyzed By	GEL	GEL	GEL	GEL	GEL	GEL
Sample Number	**MP06084**	**MP06086**	**MP06087**	**MP06087DL1**	**MPO6089GWT**	**MPO6089GWTDL1**
EPA Method	8270	8270	8270	8270	8270	8270
Date	7/16/96	8/16/96	9/26/96	9/26/96	10/17/96	10/17/96
	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
COMPOUND						
4-Methylphenol	**1.00**	0.00	0.00	0.00	0.00	0.00
Naphthalene	0.00	0.00	**133.00E**	**127.00D**	**58.80**	0.00
2-Methylnaphthalene	**1.40**	0.00	**201.00E**	**321.00D**	**144.00E**	**332JD**
Acenaphthylene	0.00	0.00	0.00	0.00	**14.70**	**29.8J**
Flourene	0.00	0.00	0.00	0.00	**18.20**	0.00
Phenanthrene	**0.53**	0.00	0.00	0.00	**6.90J**	0.00
Anthracene	0.00	0.00	0.00	0.00	**5.30J**	0.00
Flouranthene	**1.40**	0.00	**12.30**	0.00	**9.80J**	0.00
Pyrene	0.00	0.00	**9.6J**	0.00	**5.30J**	0.00
Benzo (a) Anthracene	0.00	0.00	0.00	0.00	**2.10J**	0.00
Chrysene	0.00	0.00	**5.40J**	0.00	**2.80J**	0.00
Bis (2-Ethylhexyl) Phthalate	**2.80**	**6.90**	**7.40J**	0.00	**7.10J**	0.00
Benzo (b) Fluoranthane	0.00	0.00	**7.30J**	0.00	**3.00J**	0.00
Benzo (k) Fluoranthene	0.00	0.00	0.00	0.00	**1.50J**	0.00
Benzo (a) Pyrene	0.00	0.00	0.00	0.00	**2.30J**	0.00

*Note: 0.00 represents the amount detected was not above the dection limit, not that there was 0.00 compound detected.

**Preliminary Data

J = indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL)

D = Dilution

E = Cmp. exceeded the calibration range of the instrument

Inorganic

NS Mayport SWMU 6 and 7
Groundwater Contamination Data

Sample Analyzed By	GEL	GEL	GEL	GEL
Sample Number	**MP06084GWT**	**MP06086**	**MP06087**	**MPO6089GWT**
EPA Method	6010	6010	6010	6010
Date	7/17/96	8/16/97	9/27/96	10/17/96
	ug/l	ug/l	ug/l	ug/l
COMPOUND				
Zinc	675.00	146.00	185.00	163.00**

*Note: 0.00 represents the amount detected was not above the dection limit, not that there was 0.00 compound detected.

**Preliminary Data

TRPH

NS Mayport SWMU 6 and 7
Groundwater Contamination Data

Sample Analyzed By	GEL	GEL	GEL	GEL
Sample Number	**MP06084GWT**	**MP06086GWT**	**MP06087GWT**	**MPO6089GWT**
EPA Method	418.1	418.1	418.1	418
Date	7/17/96	8/16/97	9/26/97	10/17/96
	ug/l	ug/l	ug/l	ug/l
COMPOUND				
Total Rec. Petro. Hydrocarbons	1,900.00	6,320.00	42,400.00	75,400.00**

*Note: 0.00 represents the amount detected was not above the dection limit, not that there was 0.00 compound detected.

**Preliminary Data

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69563W

Matrix: (soil/water) WATER Lab Sample ID: 9609563-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D118

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: not dec. _____ Date Analyzed: 10/07/96

GC Column: DB624 ID: 0.53 (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	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	0.66	JB
67-64-1	acetone	11.2	
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	0.32	J
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.32	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	0.35	J
100-42-5	styrene	2.0	U
108-05-4	Vinyl Acetate	5.0	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69563W

Matrix: (soil/water) WATER Lab Sample ID: 9609563-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D118

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: not dec. _____ Date Analyzed: 10/07/96

GC Column: DB624 ID: 0.53 (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
156-59-2	cis-1,2-Dichloroethene	2.0	U
1330-20-7	xylenes (total)	0.84	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06088GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69563W

Matrix: (soil/water) WATER Lab Sample ID: 9609563-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D117

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: not dec. _____ Date Analyzed: 10/07/96

GC Column: DB624 ID: 0.53 (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	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	0.14	JB
67-64-1	acetone	5.9	J
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
107-06-2	1,2-dichloroethane	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.40	JB
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
108-05-4	Vinyl Acetate	5.0	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06088GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 69563W

Matrix: (soil/water) WATER Lab Sample ID: 9609563-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 1D117

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: not dec. _____ Date Analyzed: 10/07/96

GC Column: DB624 ID: 0.53 (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
156-59-2	cis-1,2-Dichloroethene	2.0	U
1330-20-7	xylenes (total)	4.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69563W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609563-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 80215-563W

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/01/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/09/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
65-85-0	benzoic acid	20.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	133	E
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	201	E
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U
88-74-4	2-nitroaniline	10.0	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69563W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609563-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 80215-563W

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/01/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/09/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
131-11-3	dimethylphthalate	10.0	U
209-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	10.0	U
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	10.0	U
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	10.0	U
120-12-7	anthracene	10.0	U
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	12.3	
129-00-0	pyrene	9.6	J
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	10.0	U
218-01-9	chrysene	5.4	J
117-81-7	bis(2-ethylhexyl)phthalate	7.4	J
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	7.3	J
207-08-9	benzo(k)fluoranthene	10.0	U
50-32-8	benzo(a)pyrene	10.0	U
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69563W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609563-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 80413

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/01/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7	2-methylphenol	100	U
106-44-5	4-methylphenol	100	U
67-72-1	hexachloroethane	100	U
98-95-3	nitrobenzene	100	U
87-68-3	hexachlorobutadiene	100	U
88-06-2	2,4,6-trichlorophenol	100	U
95-95-4	2,4,5-trichlorophenol	100	U
121-14-2	2,4-dinitrotoluene	100	U
118-74-1	hexachlorobenzene	100	U
87-86-5	pentachlorophenol	100	U
108-95-2	phenol	100	U
111-44-4	bis(2-chloroethyl)ether	100	U
95-57-8	2-chlorophenol	100	U
541-73-1	1,3-dichlorobenzene	100	U
106-46-7	1,4-dichlorobenzene	100	U
100-51-6	benzyl alcohol	100	U
95-50-1	1,2-dichlorobenzene	100	U
108-60-1	bis(2-chloroisopropyl)ether	100	U
621-64-7	N-nitroso-di-n-propylamine	100	U
78-59-1	isophorone	100	U
88-75-5	2-nitrophenol	100	U
105-67-9	2,4-dimethylphenol	100	U
65-85-0	benzoic acid	200	U
111-91-1	bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-dichlorophenol	100	U
120-82-1	1,2,4-trichlorobenzene	100	U
91-20-3	naphthalene	127	D
106-47-8	4-chloroaniline	100	U
59-50-7	4-chloro-3-methylphenol	100	U
91-57-6	2-methylnaphthalene	321	D
77-47-4	hexachlorocyclopentadiene	100	U
91-58-7	2-chloronaphthalene	100	U
88-74-4	2-nitroaniline	100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06087DL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 69563W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9609563-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 80413

Level: (low/med) LOW Date Received: 09/27/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/01/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/10/96

Injection Volume: 1.0(uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
131-11-3	dimethylphthalate	100	U
209-96-8	acenaphthylene	100	U
606-20-2	2,6-dinitrotoluene	100	U
99-09-2	3-nitroaniline	100	U
83-32-9	acenaphthene	100	U
51-28-5	2,4-dinitrophenol	200	U
132-64-9	dibenzofuran	100	U
100-02-7	4-nitrophenol	200	U
84-66-2	diethylphthalate	100	U
7005-72-3	4-chlorophenylphenylether	100	U
86-73-7	fluorene	100	U
100-01-6	4-nitroaniline	100	U
534-52-1	4,6-dinitro-2-methylphenol	100	U
86-30-6	N-nitroso-diphenylamine	100	U
101-55-3	4-bromophenylphenylether	100	U
85-01-8	phenanthrene	100	U
120-12-7	anthracene	100	U
84-74-2	di-n-butylphthalate	100	U
206-44-0	fluoranthene	100	U
129-00-0	pyrene	100	U
85-68-7	butylbenzylphthalate	100	U
91-94-1	3,3'-dichlorobenzidine	500	U
56-55-3	benzo(a)anthracene	100	U
218-01-9	chrysene	100	U
117-81-7	bis(2-ethylhexyl)phthalate	100	U
117-84-0	di-n-octylphthalate	100	U
205-99-2	benzo(b)fluoranthene	100	U
207-08-9	benzo(k)fluoranthene	100	U
50-32-8	benzo(a)pyrene	100	U
193-39-5	indeno(1,2,3-cd)pyrene	100	U
53-70-3	dibenz(a,h)anthracene	100	U
191-24-2	benzo(g,h,i)perylene	100	U

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MP06087GWT

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00595_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 69563W

Matrix (soil/water): WATER Lab Sample ID: 9609563-01

Level (low/med): LOW__ Date Received: 09/27/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-66-6	Zinc	185			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DRAFT

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089 GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A407W

Matrix: (soil/water) WATER Lab Sample ID: 9610407-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2G111

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: not dec. _____ Date Analyzed: 10/28/96

GC Column: DB624 ID: 0.53 (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	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	5.0	U
67-64-1	acetone	21.0	
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.22	J
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089 GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A407W

Matrix: (soil/water) WATER Lab Sample ID: 9610407-01

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2G111

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: not dec. _____ Date Analyzed: 10/28/96

GC Column: DB624 ID: 0.53 (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
1330-20-7	xylenes (total)	4.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06090 GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A407W

Matrix: (soil/water) WATER Lab Sample ID: 9610407-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F511

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: not dec. _____ Date Analyzed: 10/25/96

GC Column: DB624 ID: 0.53 (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	2.0	U
74-83-9	bromomethane	2.0	U
75-01-4	vinyl chloride	2.0	U
75-00-3	chloroethane	2.0	U
75-09-2	methylene chloride	1.1	JB
67-64-1	acetone	10.0	U
75-15-0	carbon disulfide	5.0	U
75-35-4	1,1-dichloroethene	2.0	U
75-34-3	1,1-dichloroethane	2.0	U
156-60-5	trans-1,2-dichloroethene	2.0	U
67-66-3	chloroform	2.0	U
78-93-3	2-butanone	5.0	U
71-55-6	1,1,1-trichloroethane	2.0	U
56-23-5	carbon tetrachloride	2.0	U
75-27-4	bromodichloromethane	2.0	U
78-87-5	1,2-dichloropropane	2.0	U
10061-01-5	cis-1,3-dichloropropene	2.0	U
79-01-6	trichloroethene	2.0	U
124-48-1	dibromochloromethane	2.0	U
79-00-5	1,1,2-trichloroethane	2.0	U
71-43-2	benzene	2.0	U
10061-02-6	trans-1,3-dichloropropene	2.0	U
75-25-2	bromoform	2.0	U
108-10-1	4-methyl-2-pentanone	5.0	U
591-78-6	2-hexanone	5.0	U
127-18-4	tetrachloroethene	2.0	U
79-34-5	1,1,2,2-tetrachloroethane	2.0	U
108-88-3	toluene	0.21	J
108-90-7	chlorobenzene	2.0	U
100-41-4	ethylbenzene	2.0	U
100-42-5	styrene	2.0	U
108-05-4	Vinyl Acetate	5.0	U
156-59-2	cis-1,2-Dichloroethene	2.0	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06090 GWT

Lab Name: GENERAL ENGINEERING LABOR Contract: NA

Lab Code: NA Case No.: NA SAS No.: NA SDG No.: 6A407W

Matrix: (soil/water) WATER Lab Sample ID: 9610407-02

Sample wt/vol: 20 (g/ml) ml Lab File ID: 2F511

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: not dec. _____ Date Analyzed: 10/25/96

GC Column: DB624 ID: 0.53 (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
1330-20-7	xylenes (total)	4.0	U

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089GWT

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A407W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610407-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1Q319

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted: 10/23/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7	2-methylphenol	10.0	U
106-44-5	4-methylphenol	10.0	U
67-72-1	hexachloroethane	10.0	U
98-95-3	nitrobenzene	10.0	U
87-68-3	hexachlorobutadiene	10.0	U
88-06-2	2,4,6-trichlorophenol	10.0	U
95-95-4	2,4,5-trichlorophenol	10.0	U
121-14-2	2,4-dinitrotoluene	10.0	U
118-74-1	hexachlorobenzene	10.0	U
87-86-5	pentachlorophenol	10.0	U
108-95-2	phenol	10.0	U
111-44-4	bis(2-chloroethyl)ether	10.0	U
95-57-8	2-chlorophenol	10.0	U
541-73-1	1,3-dichlorobenzene	10.0	U
106-46-7	1,4-dichlorobenzene	10.0	U
100-51-6	benzyl alcohol	10.0	U
95-50-1	1,2-dichlorobenzene	10.0	U
108-60-1	bis(2-chloroisopropyl)ether	10.0	U
621-64-7	N-nitroso-di-n-propylamine	10.0	U
78-59-1	isophorone	10.0	U
88-75-5	2-nitrophenol	10.0	U
105-67-9	2,4-dimethylphenol	10.0	U
65-85-0	benzoic acid	20.0	U
111-91-1	bis(2-chloroethoxy)methane	10.0	U
120-83-2	2,4-dichlorophenol	10.0	U
120-82-1	1,2,4-trichlorobenzene	10.0	U
91-20-3	naphthalene	58.8	
106-47-8	4-chloroaniline	10.0	U
59-50-7	4-chloro-3-methylphenol	10.0	U
91-57-6	2-methylnaphthalene	144	E
77-47-4	hexachlorocyclopentadiene	10.0	U
91-58-7	2-chloronaphthalene	10.0	U
88-74-4	2-nitroaniline	10.0	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089GWT

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A407W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610407-01

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1Q319

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/23/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/24/96

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
131-11-3	dimethylphthalate	10.0	U
208-96-8	acenaphthylene	10.0	U
606-20-2	2,6-dinitrotoluene	10.0	U
99-09-2	3-nitroaniline	10.0	U
83-32-9	acenaphthene	14.7	
51-28-5	2,4-dinitrophenol	20.0	U
132-64-9	dibenzofuran	10.0	U
100-02-7	4-nitrophenol	20.0	U
84-66-2	diethylphthalate	10.0	U
7005-72-3	4-chlorophenylphenylether	10.0	U
86-73-7	fluorene	18.2	
100-01-6	4-nitroaniline	10.0	U
534-52-1	4,6-dinitro-2-methylphenol	10.0	U
86-30-6	N-nitroso-diphenylamine	10.0	U
101-55-3	4-bromophenylphenylether	10.0	U
85-01-8	phenanthrene	6.9	J
120-12-7	anthracene	5.3	J
84-74-2	di-n-butylphthalate	10.0	U
206-44-0	fluoranthene	9.8	J
129-00-0	pyrene	5.3	J
85-68-7	butylbenzylphthalate	10.0	U
91-94-1	3,3'-dichlorobenzidine	50.0	U
56-55-3	benzo(a)anthracene	2.1	J
218-01-9	chrysene	2.8	J
117-81-7	bis(2-ethylhexyl)phthalate	7.1	J
117-84-0	di-n-octylphthalate	10.0	U
205-99-2	benzo(b)fluoranthene	3.0	J
207-08-9	benzo(k)fluoranthene	1.5	J
50-32-8	benzo(a)pyrene	2.3	J
193-39-5	indeno(1,2,3-cd)pyrene	10.0	U
53-70-3	dibenz(a,h)anthracene	10.0	U
191-24-2	benzo(g,h,i)perylene	10.0	U

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1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089GWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A407W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610407-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1Q312

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/23/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/23/96

Injection Volume: 1.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
95-48-7	2-methylphenol	400	U
106-44-5	4-methylphenol	400	U
67-72-1	hexachloroethane	400	U
98-95-3	nitrobenzene	400	U
87-68-3	hexachlorobutadiene	400	U
88-06-2	2,4,6-trichlorophenol	400	U
95-95-4	2,4,5-trichlorophenol	400	U
121-14-2	2,4-dinitrotoluene	400	U
118-74-1	hexachlorobenzene	400	U
87-86-5	pentachlorophenol	400	U
108-95-2	phenol	400	U
111-44-4	bis(2-chloroethyl)ether	400	U
95-57-8	2-chlorophenol	400	U
541-73-1	1,3-dichlorobenzene	400	U
106-46-7	1,4-dichlorobenzene	400	U
100-51-6	benzyl alcohol	400	U
95-50-1	1,2-dichlorobenzene	400	U
108-60-1	bis(2-chloroisopropyl)ether	400	U
621-64-7	N-nitroso-di-n-propylamine	400	U
78-59-1	isophorone	400	U
88-75-5	2-nitrophenol	400	U
105-67-9	2,4-dimethylphenol	400	U
65-85-0	benzoic acid	800	U
111-91-1	bis(2-chloroethoxy)methane	400	U
120-83-2	2,4-dichlorophenol	400	U
120-82-1	1,2,4-trichlorobenzene	400	U
91-20-3	naphthalene	400	U
106-47-8	4-chloroaniline	400	U
59-50-7	4-chloro-3-methylphenol	400	U
91-57-6	2-methylnaphthalene	332	JD
77-47-4	hexachlorocyclopentadiene	400	U
91-58-7	2-chloronaphthalene	400	U
88-74-4	2-nitroaniline	400	U

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1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

MP06089GWTDL1

Lab Name: GENERAL ENGINEERING LABOR Contract:

Lab Code: Case No.: SAS No.: SDG No.: 6A407W

Matrix: (soil/water) GROUNDH2O Lab Sample ID: 9610407-03

Sample wt/vol: 500 (g/mL) mL Lab File ID: 1Q312

Level: (low/med) LOW Date Received: 10/18/96

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/23/96

Concentrated Extract Volume: 0.5(mL) Date Analyzed: 10/23/96

Injection Volume: 1.0(uL) Dilution Factor: 40.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/L	Q
131-11-3	dimethylphthalate	400	U
208-96-8	acenaphthylene	400	U
606-20-2	2,6-dinitrotoluene	400	U
99-09-2	3-nitroaniline	400	U
83-32-9	acenaphthene	29.8	J
51-28-5	2,4-dinitrophenol	800	U
132-64-9	dibenzofuran	400	U
100-02-7	4-nitrophenol	800	U
84-66-2	diethylphthalate	400	U
7005-72-3	4-chlorophenylphenylether	400	U
86-73-7	fluorene	400	U
100-01-6	4-nitroaniline	400	U
534-52-1	4,6-dinitro-2-methylphenol	400	U
86-30-6	N-nitroso-diphenylamine	400	U
101-55-3	4-bromophenylphenylether	400	U
85-01-8	phenanthrene	400	U
120-12-7	anthracene	400	U
84-74-2	di-n-butylphthalate	400	U
206-44-0	fluoranthene	400	U
129-00-0	pyrene	400	U
85-68-7	butylbenzylphthalate	400	U
91-94-1	3,3'-dichlorobenzidine	2000	U
56-55-3	benzo(a)anthracene	400	U
218-01-9	chrysene	400	U
117-81-7	bis(2-ethylhexyl)phthalate	400	U
117-84-0	di-n-octylphthalate	400	U
205-99-2	benzo(b)fluoranthene	400	U
207-08-9	benzo(k)fluoranthene	400	U
50-32-8	benzo(a)pyrene	400	U
193-39-5	indeno(1,2,3-cd)pyrene	400	U
53-70-3	dibenz(a,h)anthracene	400	U
191-24-2	benzo(g,h,i)perylene	400	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MP06089GWT

Lab Name: GENERAL_ENGINEERING_LABS_ Contract: BECH00595_

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: 5A407W

Matrix (soil/water): WATER Lab Sample ID: 9610407-01

Level (low/med): LOW__ Date Received: 10/18/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-66-6	Zinc	163			P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

FORM I - IN ILM03.0

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GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Laboratory Certifications

STATE	GEL	EPI
FL	E87156/87204	E87472/87458
NC	253	
SC	10120	10382
TN	02936	02934

Client: Bechtel Environmental, Inc.
151 Lafayette Drive
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Mayport/MP

cc: BECH00595 Report Date: November 01, 1996 Page 1 of 1

Sample ID	: MP06089 GWT
Lab ID	: 9610407-01
Matrix	: GroundH2O
Date Collected	: 10/17/96
Date Received	: 10/18/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
General Chemistry												
Total Rec. Petro. Hydrocarbons		75400	1000	1000	ug/l	1.0	TSM	10/28/96	1100	92917	1	1

M = Method	Method-Description
M 1	EPA 418.1

C = Container	Lab. Container ID	Reference ID
C 1	9610407-01.05	MP0608902

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis at (803) 769-7391.

Valerie S Davis
Reviewed By

P O Box 30712 • Charleston, SC 29417 • 2040 Savage Road • 29414
(803) 556-8171 • Fax (803) 766-1178
Printed on recycled paper.

9610407-01

DRAFT

GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Laboratory Certifications

STATE	GEL	ERI
FL	E871	E87472
NC	233	
SC	10120	10569
TN	02934	02934

Client: Bechtel Environmental, Inc.
151 Lafayette Drive
PO Box 350
Oak Ridge, Tennessee 37831-0350
Contact: Ms. Lori Davenport
Project Description: Maynard/MP

att: BECH000595 Report Date: November 01, 1996 Page 1 of 1

Sample ID	: MP06089 GWT DL1 9610407-01
Lab ID	: 9610407-03
Matrix	: GroundH2O
Date Collected	: 10/17/96
Date Received	: 10/18/96
Priority	: Routine
Collector	: Client

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	M	C
General Chemistry												
Total Rec. Petro. Hydrocarbons		87900	10000	10000	ug/l	10.	TSM	10/28/96	1100	92917	1	N

M = Method	Method Description
M1	EPA 418.1

Notes:
The qualifiers in this report are defined as follows:
ND indicates that the analyte was not detected at a concentration greater than the detection limit.
J indicates presence of analyte at a concentration less than the reporting limit (RL) and greater than the detection limit (DL).
U indicates that the analyte was not detected at a concentration greater than the detection limit.
* indicates that a quality control analyte recovery is outside of specified acceptance criteria.

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Valerie L Davis

Reviewed By

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9610407-03

ATTACHMENT C

COPY OF FIELD MONITORING SHEET