

MAHONEY & DOUGLAS, LTD.

ENVIRONMENTAL SERVICES

P.O. Box 473 • FALMOUTH, MA 02541 • TEL: (508) 457-1788 • FAX: (508) 457-9995

fax transmittal

To:

George Papadopolous - EPA - RGP-NOC
Processing

Fax #:

617-918-0505

From:

Kate Mahoney

Date:

4/7/06

RE:

NMLC - RGP - Application

Pages:

19²⁰, including cover sheet.

Hi George:

The following pages include the RGP-NOI form,
the cover letter, USGS Topo of Bourne, and a Site Plan
(since revised and included w/ hard copy of submittal),
and treatment system schematic.

Thank you for your assistance. Please do not hesitate
to contact me with any questions, comments or concerns.

~~The lab reports will be faxed separately
this evening.~~

36 pages of lab reports
1 page DEP Priority Resource Map

Sincerely,

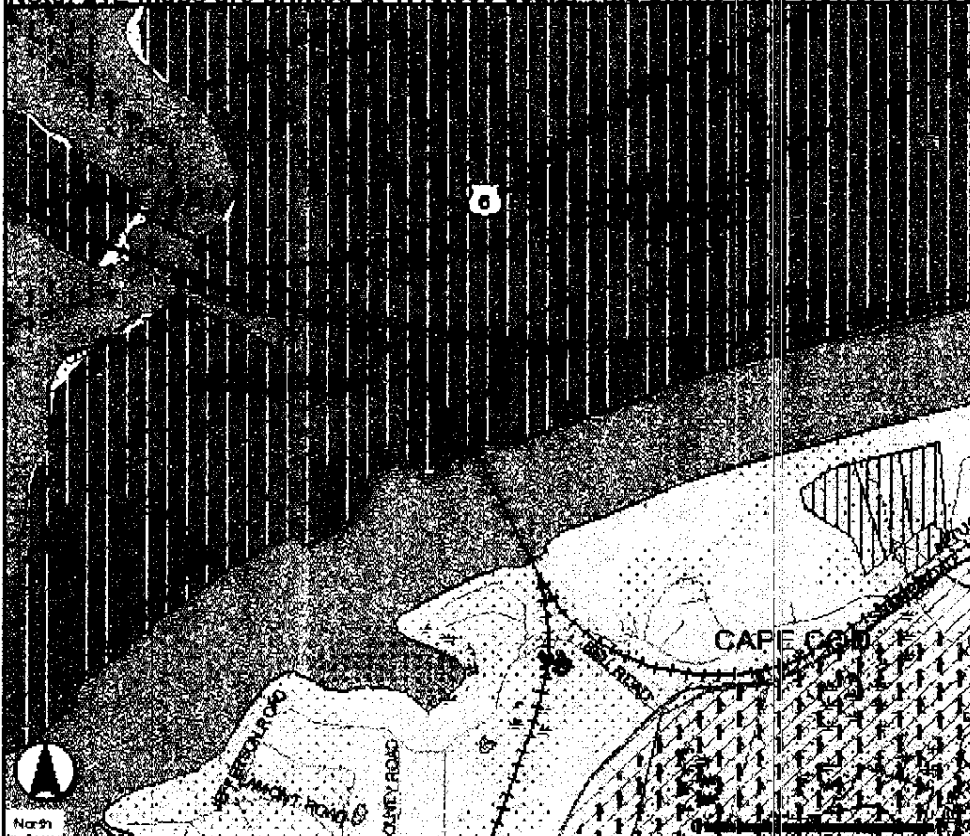
Kate

DEP Priority Resource Map

DEP Priority Resource Map information

Legend

Note: 21E maps are printed at 1:15,000 scale. This online map viewer will look most similar to the paper



Choose a Town

Tools to Use with the Map

- Return home (Base Map)
Click on an icon below, then perform action with mouse on map. Red square indicates active tool.
- Click the map or draw a box to zoom in
- Click the map or draw a box to zoom out
- Drag the map to pan
- Click on the map to get latitude and longitude
- Next icons: action happens when icon is clicked.
- Clear the address marker
- Find an address. Enter into the form either a street address and a 5 digit ZIP code (i.e. 251 Causeway St. and 02114) or a street name and a cross street name. (i.e. Causeway St. and Medford St.). Find zip code. Click the Locate button and different possible matches will appear. Click on the blue number link to zoom to that address. Use of geocoding subject to license
- Hide/show the overview map. Click on the overview map to change location.
- Print the map. Turn off pop-up blockers first. (Using the File menu/Print Frame will not work)

Print Map Title to display on Map:

DEP Priority Resource Map

Create Print Page

**GROUNDWATER
ANALYTICAL**

Groundwater Analytical, Inc.
P.O. Box 1200
228 Main Street
Buzzards Bay, MA 02532

Telephone (508) 759-4441
FAX (508) 759-4475
www.groundwateranalytical.com

February 28, 2006

Ms. Kate Mahoney
Mahoney & Douglas
27 Sophie Lane
E. Falmouth, MA 02536

LABORATORY REPORT

Project: NMLC/06-267
Lab ID: 91892
Received: 02-22-06

Dear Kate:

Enclosed are the analytical results for the above referenced project. The project was processed for Rush 3 Business Day turnaround.

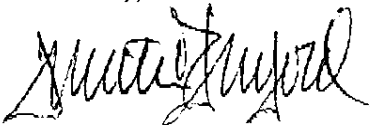
This letter authorizes the release of the analytical results, and should be considered a part of this report. This report contains a sample receipt report detailing the samples received, a project narrative indicating project changes and non-conformances, a quality control report, and a statement of our state certifications.

The analytical results contained in this report meet all applicable NELAC standards, except as may be specifically noted, or described in the project narrative. This report may only be used or reproduced in its entirety.

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Should you have any questions concerning this report, please do not hesitate to contact me.

Sincerely,



Jonathan R. Sanford
President

JRS/kal
Enclosures

GROUNDWATER ANALYTICAL

Sample Receipt Report

Project: NMIC/06-267
Client: Mahoney & Douglas
Lab ID: 91892

Delivery: Hand
Airbill: n/a
Lab Receipt: 02-22-06

Temperature: 9.1°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-1	NPDES Influent	Aqueous	2/22/06 13:30	SM 2540 D Total Suspended Solids	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C739140	1 L Plastic	Proline	BX20042	None	n/a
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-2	NPDES Influent	Aqueous	2/22/06 13:30	SM 3500-Cr D Hexavalent Chromium	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C739328	500 mL Plastic	Proline	BX20048	None	n/a
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-3	NPDES Influent	Aqueous	2/22/06 13:30	EPA 8082 PCBs	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C739007	1 L Amber Glass	Proline	BX20006	None	n/a
C739006	1 L Amber Glass	Proline	BX20006	None	n/a
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-5	NPDES Influent	Aqueous	2/22/06 13:30	EPA 1664 Hexane Extractable Material	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C793942	1 L Amber Glass	Proline	BX20021	H2SO4	R-4796A
C793941	1 L Amber Glass	Proline	BX20021	H2SO4	R-4796A
					02-16-06
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-6	NPDES Influent	Aqueous	2/22/06 13:30	EPA 9012A Total Cyanide	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C777891	500 mL Plastic	Proline	BX19770	NaOH	R-4593A
					02-01-06
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-7	NPDES Influent	Aqueous	2/22/06 13:30	EPA 6010B As Cd Cr Cu Fe Ni Ag Zn Total EPA 7041 Antimony by CFAA Sb EPA 7421 Lead by CFAA Lead by CFAA EPA 7470A Hg Total EPA 7740 Selenium by CFAA Selenium by CFAA	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C764056	250 mL Plastic	Proline	BX19587	HNO3	R-4550E
					01-13-06
					02-22-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-8	NPDES Influent	Aqueous	2/22/06 13:30	SM 4500-Cl C Total Residual Chlorine	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C772622	250 mL Glass	Proline	BX19349	None	n/a
					n/a
					01-27-06
Lab ID	Field ID	Matrix	Sampled	Method	Notes
91892-9	NPDES Influent	Aqueous	2/22/06 13:30	EPA 8260B Volatile Organics with Oxygenates	
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot
C723788	40 mL VOA Vial	Proline	BX19944	HCl	R-4601F
C723776	40 mL VOA Vial	Proline	BX19944	HCl	R-4601F
C723764	40 mL VOA Vial	Proline	BX19944	HCl	R-4601F
					02-17-06
					02-22-06

GROUNDWATER ANALYTICAL

Sample Receipt Report (Continued)

Project: NMLC/06-267
Client: Mahoney & Douglas
Lab ID: 91892

Delivery: Hand
Airbill: n/a
Lab Receipt: 02-22-06

Temperature: 9.1°C
Chain of Custody: Present
Custody Seal(s): n/a

Lab ID	Field ID		Matrix	Sampled	Method				Notes
91892-10	NPDES Influent		Aqueous	2/22/06 13:30	EPA 504.1 EDB and DBCP				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C716354	40 mL VOA Vial	Proline	BX19169	Na2S2O3	R-4067A	12-05-05	02-22-06		
C716351	40 mL VOA Vial	Proline	BX19169	Na2S2O3	R-4067A	12-05-05	02-22-06		
C716330	40 mL VOA Vial	Proline	BX19169	Na2S2O3	R-4067A	12-05-05	02-22-06		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
91892-11	Trip Blank		Aqueous	2/22/06 0:00	EPA 504.1 EDB and DBCP				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C716353	40 mL VOA Vial	Proline	BX19169	Na2S2O3	R-4067A	12-05-05	02-22-06		

Lab ID	Field ID		Matrix	Sampled	Method				Notes
91892-12	NPDES Influent		Aqueous	2/22/06 13:30	EPA 8270C Semivolatile Organics (Low Level)				
Con ID	Container	Vendor	QC Lot	Preserv	QC Lot	Prep	Ship		
C769499	1 L Amber Glass	n/a	n/a	None	n/a	n/a	n/a		

GROUNDWATER ANALYTICAL

Inorganic Chemistry

Field ID: NPDES Influent

Project: NMLC/06-267

Client: Mahoney & Douglas

Matrix: Aqueous

Received: 02-22-06 14:45

Lab ID: 91892-01 Sampled: 02-22-06 13:30 Container: 1 L Plastic Preservation: Cool

Analyte	Result	Units	RL	DF	Volume	Analyzed	QC Batch	Method	Inst	Analyst
Solids, Total Suspended	570	mg/L	20	10	50 mL	02-23-06 14:12	TSS-1194-W	SM 2540 D	3	EB

Lab ID: 91892-02 Sampled: 02-22-06 13:30 Container: 500 mL Plastic Preservation: Cool

Analyte	Result	Units	RL	DF	Volume	Analyzed	QC Batch	Method	Inst	Analyst
Chromium, Hexavalent	BRL	mg/L	0.01	1	5 mL	02-22-06 22:58	HC-0253-W	SM 3500-Cr D	1	ODV

Lab ID: 91892-05 Sampled: 02-22-06 13:30 Container: 1 L Amber Glass Preservation: H2SO4/Cool

Analyte	Result	Units	RL	DF	Volume	Analyzed	QC Batch	Method	Inst	Analyst
Oil and Grease, Total	BRL	mg/L	5	1	1000 mL	02-24-06 14:00	HO-0207-W	EPA 1664	3	DEB

Lab ID: 91892-06 Sampled: 02-22-06 13:30 Container: 500 mL Plastic Preservation: NaOH/Cool

Analyte	Result	Units	RL	DF	Volume	Analyzed	QC Batch	Method	Inst	Analyst
Cyanide, Total	BRL	mg/L	0.01	1	50 mL	02-23-06 13:41	TCN-1161-W	EPA 335.3	1	AVB

Lab ID: 91892-08 Sampled: 02-22-06 13:30 Container: 250 mL Glass Preservation: Cool

Analyte	Result	Units	RL	DF	Volume	Analyzed	QC Batch	Method	Inst	Analyst
Chlorine, Total Residual	BRL	mg/L	0.2	1	5 mL	02-22-06 21:30	TRC-0411-W	SM 4500-Cl G	2	LJD

Method Reference: Methods for Chemical Analysis of Water and Wastes, US EPA, EPA-600/4-790-020 (Revised 1983), and Methods for the Determination of Inorganic Substances in Environmental Samples, US EPA, EPA/600/R-93/100 (1993), and Standard Methods for the Examination of Water and Wastewater, APHA, Twentieth Edition (1998), and Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

RL Reporting Limit.

DF Dilution Factor.

1 Instrument ID: Lachat 8000 Autoanalyzer

2 Instrument ID: Milton Roy Spectronic 401

3 Instrument ID: Mettler AT 200 Balance

GROUNDWATER ANALYTICAL

EPA Method 8082 Polychlorinated Biphenyls (PCBs) by GC/ECD

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas
Laboratory ID: 91892-03
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Extracted: 02-23-06 07:00
Cleaned Up: 02-23-06 11:00
Analyzed: 02-23-06 12:16
Analyst: CRL

Matrix: Aqueous
Container: 1 L Amber Glass
Preservation: Cool
QC Batch ID: PB-2209-F
Instrument ID: GC-6 HP 5890
Sample Weight: 950 mL
Final Volume: 1 mL
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
12674-11-2	Aroclor 1016		BRL	ug/L	0.2
11104-28-2	Aroclor 1221		BRL	ug/L	0.2
11141-16-5	Aroclor 1232		BRL	ug/L	0.2
53469-21-9	Aroclor 1242		BRL	ug/L	0.2
12672-29-6	Aroclor 1248		BRL	ug/L	0.2
11097-69-1	Aroclor 1254		BRL	ug/L	0.2
11096-82-5	Aroclor 1260		BRL	ug/L	0.2
37324-23-5	Aroclor 1262 [†]		BRL	ug/L	0.2
11100-14-4	Aroclor 1268 [†]		BRL	ug/L	0.2

QC Surrogate Compound		Spiked	Measured	Recovery	QC Limits
First	Tetrachloro- <i>m</i> -xylene	0.21	0.20	95 %	30 - 150 %
Column	Decachlorobiphenyl	0.21	0.20	96 %	30 - 150 %
Second	Tetrachloro- <i>m</i> -xylene	0.21	0.21	98 %	30 - 150 %
Column	Decachlorobiphenyl	0.21	0.19	92 %	30 - 150 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C. Cleanup performed by EPA Method 3660B and EPA Method 3665A.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
† Non-target analyte. Result is based on a single mid-range calibration standard.

GROUNDWATER ANALYTICAL

Trace Metals

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas

Matrix: Aqueous
Container: 250 mL Plastic
Preservation: HNO₃ / Cool

Laboratory ID: 91892-07
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45

Preserved: 02-22-06 13:30

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analysis
EPA 7041 ¹	MB-1944-W	EPA 3010A	02-23-06 09:14	50 mL	CFAA-1 PE 5100	MWR
EPA 6010B ²	MB-1944-W	EPA 3010A	02-23-06 09:14	50 mL	ICP-2 PE 3300	MWR
EPA 7421 ³	MB-1944-W	EPA 3010A	02-23-06 09:14	50 mL	CFAA-1 PE 5100	MWR
EPA 7470A ⁴	MP-1802-W	EPA 7470A	02-23-06 09:10	25 mL	CFAA-1 PE 5100	KLB
EPA 7740 ⁵	MB-1944-W	EPA 3010A	02-23-06 09:14	50 mL	CFAA-1 PE 5100	MWR

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-36-0	Antimony, Total	BRL		mg/L	0.06	1	02-24-06 16:36	EPA 7041 ¹
7440-38-2	Arsenic, Total	BRL		mg/L	0.01	1	02-27-06 14:10	EPA 6010B ²
7440-43-9	Cadmium, Total	BRL		mg/L	0.005	1	02-27-06 14:10	EPA 6010B ²
7440-47-3	Chromium, Total	0.02		mg/L	0.01	1	02-27-06 14:10	EPA 6010B ²
7440-50-8	Copper, Total	0.034		mg/L	0.025	1	02-27-06 14:10	EPA 6010B ²
7439-89-6	Iron, Total	55		mg/L	0.1	1	02-27-06 14:10	EPA 6010B ²
7439-92-1	Lead, Total	0.047		mg/L	0.005	1	02-28-06 09:57	EPA 7421 ³
7439-97-6	Mercury, Total	BRL		mg/L	0.0002	1	02-23-06 13:08	EPA 7470A ⁴
7440-02-0	Nickel, Total	BRL		mg/L	0.04	1	02-27-06 14:10	EPA 6010B ²
7782-49-2	Selenium, Total	BRL		mg/L	0.05	1	02-28-06 15:23	EPA 7740 ⁵
7440-22-4	Silver, Total	BRL		mg/L	0.007	1	02-27-06 14:10	EPA 6010B ²
7440-66-6	Zinc, Total	0.3		mg/L	0.2	1	02-27-06 14:10	EPA 6010B ²

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
DF Dilution Factor.

GROUNDWATER ANALYTICAL

EPA Method 8260B Volatile Organics by GC/MS

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas

Laboratory ID: 91892-09
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Analyzed: 02-25-06 15:21
Analyst: LMG

Matrix: Aqueous
Container: 40 mL VOA Vial
Preservation: HCl/Cool

QC Batch ID: VM4-3454-W
Instrument ID: MS-4 HP 6890
Sample Volume: 25 mL
Dilution Factor: 1

Page: 1 of 2

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	trans-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl tert-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	cis-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	0.6		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	cis-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	0.6		ug/L	0.5
10061-02-6	trans-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	6		ug/L	0.5
106-38-3/106-42-3	meta-Xylene and para-Xylene	BRL		ug/L	0.5
95-47-6	ortho-Xylene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

EPA Method 8260B (Continued) Volatile Organics by GC/MS

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas

Laboratory ID: 91892-09
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Analyzed: 02-25-06 15:21
Analyst: LMC

Matrix: Aqueous
Container: 40 mL VOA Vial
Preservation: HCl/Cool

QC Batch ID: VM4-3454-W
Instrument ID: MS-4 HP 6890
Sample Volume: 25 mL
Dilution Factor: 1

Page: 2 of 2

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	3		ug/L	0.5
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	n-Propylbenzene	5		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	tert-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	1		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	n-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Napthalene	13		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	10	104 %	70 - 130 %
1,2-Dichloroethane-d ₄	10	9.9	99 %	70 - 130 %
Toluene-d ₈	10	9.7	97 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

**GROUNDWATER
ANALYTICAL****EPA Method 504.1
EDB and DBCP by GC/ECD**

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas
Laboratory ID: 91892-10
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Extracted: 02-28-06 12:00
Analyzed: 02-28-06 13:16
Analyst: CRL

Matrix: Aqueous
Container: 40 mL VOA Vial
Preservation: Cool
QC Batch ID: PV-0819-E
Instrument ID: GC-5 HP 5890
Sample Volume: 32 mL
Final Volume: 1 mL
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.02
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	BRL		ug/L	0.02

Method Reference: Methods for the Determination of Organic Compounds in Drinking Water, Supplement III, US EPA, EPA-600/R-95/131 (1995), Method Revision 1.1.

Report Notations: BRL indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

**GROUNDWATER
ANALYTICAL****EPA Method 504.1
EDB and DBCP by GC/ECD**

Field ID: Trip Blank
Project: NMLC/06-267
Client: Mahoney & Douglas

Matrix: Aqueous
Container: 40 mL VOA Vial
Preservation: Cool

Laboratory ID: 91892-11
Sampled: 02-22-06 00:00
Received: 02-22-06 14:45
Extracted: 02-28-06 12:00
Analyzed: 02-28-06 15:34
Analyst: CRL

QC Batch ID: PV-0819-E
Instrument ID: GC-5 HP 5890
Sample Volume: 35 mL
Final Volume: 1 mL
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.02
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	BRL		ug/L	0.02

Method Reference: Methods for the Determination of Organic Compounds in Drinking Water, Supplement III, US EPA, EPA-600/R-95/131 (1995), Method Revision 1.1.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

EPA Method 8270C Semivolatile Organics by GC/MS (Part 1)

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas

Laboratory ID: 91892-12
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 22:30
Analyst: CMM

Matrix: Aqueous
Container: 500 ml Plastic
Preservation: H2SO4/Cool

QC Batch ID: SV-1841-F
Instrument ID: MS-3 HP 5890
Sample Volume: 900 ml
Final Volume: 1 mL
Dilution Factor: 1

Page: 1 of 2

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	6
110-86-1	Pyridine	BRL		ug/L	6
108-95-2	Phenol	BRL		ug/L	6
62-53-3	Aniline	BRL		ug/L	6
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	6
95-57-8	2-Chlorophenol	BRL		ug/L	6
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	6
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	6
100-51-6	Benzyl Alcohol	BRL		ug/L	6
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	6
95-48-7	2-Methylphenol	BRL		ug/L	6
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	6
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	6
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	6
98-86-2	Acetophenone	BRL		ug/L	6
67-72-1	Hexachloroethane	BRL		ug/L	6
98-95-3	Nitrobenzene	BRL		ug/L	6
78-59-1	Isophorone	BRL		ug/L	6
88-75-5	2-Nitrophenol	BRL		ug/L	6
105-67-9	2,4-Dimethylphenol	BRL		ug/L	6
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	6
120-83-2	2,4-Dichlorophenol	BRL		ug/L	6
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	6
106-47-8	4-Chloroaniline	BRL		ug/L	6
87-68-3	Hexachlorobutadiene	BRL		ug/L	6
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	6
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	6
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	6
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	6
91-58-7	2-Chloronaphthalene	BRL		ug/L	6
88-74-4	2-Nitroaniline	BRL		ug/L	6
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	6
131-11-3	Dimethyl phthalate	BRL		ug/L	6
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	6
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	6
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	6
99-09-2	3-Nitroaniline	BRL		ug/L	6
51-28-5	2,4-Dinitrophenol	BRL		ug/L	6
100-02-7	4-Nitrophenol	BRL		ug/L	6
132-64-9	Dibenzofuran	BRL		ug/L	6
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	6
84-66-2	Diethyl phthalate	BRL		ug/L	6
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	6
100-01-6	4-Nitroaniline	BRL		ug/L	6
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	6

GROUNDWATER ANALYTICAL

EPA Method 8270C (Continued) Semivolatile Organics by GC/MS (Part 1)

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas

Laboratory ID: 91892-12
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 22:30
Analyst: CMM

Matrix: Aqueous
Container: 500 mL Plastic
Preservation: H2SO4/Cool

QC Batch ID: SV-1841-F
Instrument ID: MS-3 HP 5890
Sample Volume: 900 mL
Final Volume: 1 mL
Dilution Factor: 1

Page: 2 of 2

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
86-30-6	N-Nitrosodiphenylamine [†]	BRL		ug/L	6
122-66-7	1,2-Diphenylhydrazine [†]	BRL		ug/L	6
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	6
86-74-8	Carbazole	BRL		ug/L	6
84-74-2	Di-n-butyl phthalate	BRL		ug/L	6
85-68-7	Butyl benzyl phthalate	BRL		ug/L	6
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	6
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	6
117-84-0	Di-n-octyl phthalate	BRL		ug/L	6

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	22	10	44 %	15 - 110 %
Phenol-d5	22	8	36 %	15 - 110 %
Nitrobenzene-d5	11	6	52 %	30 - 130 %
2-Fluorobiphenyl	11	7	58 %	30 - 130 %
2,4,6-Tribromophenol	22	12	56 %	15 - 110 %
Terphenyl-d14	11	6	54 %	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

- * Analyzed as 4-Methylphenol.
- + Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.
- 0 Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

EPA Method 8270C Semivolatile Organics by GC/MS-SIM (Part 2)

Field ID: NPDES Influent
Project: NMLC/06-267
Client: Mahoney & Douglas
Laboratory ID: 91892-12
Sampled: 02-22-06 13:30
Received: 02-22-06 14:45
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 07:24
Analyst: CMM

Matrix: Aqueous
Container: 1 L Amber Glass
Preservation: Cool
QC Batch ID: 5V-1841-F
Instrument ID: MS-6 HP 6890
Sample Volume: 900 mL
Final Volume: 1 mL
Dilution Factor: 1

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.56
91-57-6	2-Methylnaphthalene	3.3		ug/L	0.56
208-96-8	Acenaphthylene	BRL		ug/L	0.56
83-32-9	Acenaphthene	0.84		ug/L	0.56
86-73-7	Fluorene	0.78		ug/L	0.56
85-01-8	Phenanthrene	BRL		ug/L	0.56
120-12-7	Anthracene	BRL		ug/L	0.56
206-44-0	Fluoranthene	BRL		ug/L	0.56
129-00-0	Pyrene	BRL		ug/L	0.56
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.11
218-01-9	Chrysene	BRL		ug/L	0.11
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.11
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.11
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.11
193-39-5	Indeno[1,2,3-c,d]pyrene	0.14		ug/L	0.11
53-70-3	Dibenzo[a,h]anthracene	0.19		ug/L	0.11
191-24-2	Benzo[g,h,i]perylene	0.14		ug/L	0.11
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.56
118-74-1	Hexachlorobenzene	BRL		ug/L	0.56
87-86-5	Pentachlorophenol	BRL		ug/L	1.1

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	22	11	48 %	15 - 110 %
Phenol-d5	22	10	45 %	15 - 110 %
Nitrobenzene-d5	11	7.5	68 %	30 - 130 %
2-Fluorobiphenyl	11	6.1	55 %	30 - 130 %
2,4,6-Tribromophenol	22	18	79 %	15 - 110 %
Terphenyl-d14	11	6.8	61 %	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method.
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

**GROUNDWATER
ANALYTICAL****Project Narrative**

Project: NMLC/06-267
Client: Mahoney & Douglas

Lab ID: 91892
Received: 02-22-06 14:45

A. Documentation and Client Communication

The following documentation discrepancies, and client changes or amendments were noted for this project:

1. No documentation discrepancies, changes, or amendments were noted.

B. Method Modifications, Non-Conformances and Observations

The sample(s) in this project were analyzed by the references analytical method(s), and no method modifications, non-conformances or analytical issues were noted, except as indicated below:

1. Project Non-conformance: Project 91892 was received at a temperature of 9.1°C. This measurement is outside the recommended range of 2-6°C.
2. EPA 8260B Non-conformance: Sample 91892-09. Laboratory control sample (LCS) analyte tert-Butyl Alcohol was above recommended recovery limits for QC batch VM4-3454-W.
3. EPA 8270C Modification: Samples 91892-12. Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method. GC/MS-SIM was used to achieve low quantification limits necessary for regulatory compliance.

**GROUNDWATER
ANALYTICAL****Quality Assurance/Quality Control****A. Program Overview**

Groundwater Analytical conducts an active Quality Assurance program to ensure the production of high quality, valid data. This program closely follows the guidance provided by *Interim Guidelines and Specifications for Preparing Quality Assurance Project Plans*, US EPA QAMS-005/80 (1980), and *Test Methods for Evaluating Solid Waste*, US EPA, SW-846, Update III (1996).

Quality Control protocols include written Standard Operating Procedures (SOPs) developed for each analytical method. SOPs are derived from US EPA methodologies and other established references. Standards are prepared from commercially obtained reference materials of certified purity, and documented for traceability.

Quality Assessment protocols for most organic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. All samples, standards, blanks, laboratory control samples, matrix spikes and sample duplicates are spiked with internal standards and surrogate compounds. All instrument sequences begin with an initial calibration verification standard and a blank; and excepting GC/MS sequences, all sequences close with a continuing calibration standard. GC/MS systems are tuned to appropriate ion abundance criteria daily, or for each 12 hour operating period, whichever is more frequent.

Quality Assessment protocols for most inorganic analyses include a minimum of one laboratory control sample, one method blank, one matrix spike sample, and one sample duplicate for each sample preparation batch. Standard curves are derived from one reagent blank and four concentration levels. Curve validity is verified by standard recoveries within plus or minus ten percent of the curve.

B. Definitions

Batches are used as the basic unit for Quality Assessment. A Batch is defined as twenty or fewer samples of the same matrix which are prepared together for the same analysis, using the same lots of reagents and the same techniques or manipulations, all within the same continuum of time, up to but not exceeding 24 hours.

Laboratory Control Samples are used to assess the accuracy of the analytical method. A Laboratory Control Sample consists of reagent water or sodium sulfate spiked with a group of target analytes representative of the method analytes. Accuracy is defined as the degree of agreement of the measured value with the true or expected value. Percent Recoveries for the Laboratory Control Samples are calculated to assess accuracy.

Method Blanks are used to assess the level of contamination present in the analytical system. Method Blanks consist of reagent water or an aliquot of sodium sulfate. Method Blanks are taken through all the appropriate steps of an analytical method. Sample data reported is not corrected for blank contamination.

Surrogate Compounds are used to assess the effectiveness of an analytical method in dealing with each sample matrix. Surrogate Compounds are organic compounds which are similar to the target analytes of interest in chemical behavior, but which are not normally found in environmental samples. Percent Recoveries are calculated for each Surrogate Compound.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: Inorganics

Matrix: Aqueous

Units: mg/L

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	SM 3500 Cr D	HC-0253-W	SM 3500 Cr D	2/16/2006 22:00	2/16/2006 22:56	Lachat 8000 Autoanalyzer	DDW
LCSD	SM 3500 Cr D	HC-0253-W	SM 3500 Cr D	2/16/2006 22:00	2/16/2006 22:57	Lachat 8000 Autoanalyzer	DDW

Analyte	LCS			LCS Duplicate				QC Limits		Method
	Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
Chromium, Hexavalent	0.10	0.11	105%	0.10	0.11	105%	0 %	80-120%	20 %	SM 3500 Cr D

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, Revised (1983), and
Methods for the Determination of Metals in Environmental Samples, Supplement I, EPA-600/R-94-111,
(1994), and 40 C.F.R. 136, Appendix C (1990).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology,
or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Sample

Category: Inorganic Chemistry
Matrix: Aqueous

Analyte	Units	Spiked	Measured	Recovery	QC Limits	Analyzed	QC Batch	Method	Inst	Analyst
Solids, Total Suspended	mg/L	92	96	105 %	80 - 120 %	02-23-06 14:12	TSS-1194-W	SM 2540 D	3	EB
Chlorine, Total Residual	mg/L	1	1	96 %	80 - 120 %	02-22-06 21:30	TRC-0411-W	SM 4500-Cl C	2	LJD
Oil and Grease, Total	mg/L	40	37	92 %	78 - 114 %	02-24-06 14:00	HO-0207-W	EPA 1664	3	DEB
Cyanide, Total	mg/L	0.45	0.43	96 %	80 - 120 %	02-23-06 13:39	TCN-1161-W	EPA 335.3	1	AVB

Method Reference: Methods for Chemical Analysis of Water and Wastes, US EPA, EPA-600/4-790-020 (Revised 1983), and Methods for the Determination of Inorganic Substances in Environmental Samples, US EPA, EPA/600/R-93/100 (1993), and Standard Methods for the Examination of Water and Wastewater, APHA, Twentieth Edition (1998), and Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

- 1 Instrument ID: Lachat 8000 Autoanalyzer
- 2 Instrument ID: Milton Roy Spectronic 401
- 3 Instrument ID: Mettler AT 200 Balance

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: Inorganic Chemistry

Matrix: Aqueous

Analyte	Result	Units	RL	Analyzed	QC Batch	Method	Inst	Analyst
Solids, Total Suspended	BRL	mg/L	2	02-23-06 14:12	TSS-1194-W	SM 2540 D	3	EB
Chlorine, Total Residual	BRL	mg/L	0.2	02-22-06 21:30	TRC-0411-W	SM 4500-CL G	2	LID
Chromium, Hexavalent	BRL	mg/L	0.01	02-22-06 22:56	HC-0253-W	SM 3500-Cr D	1	DDW
Oil and Grease, Total	BRL	mg/L	5	02-24-06 14:00	HO-0207-W	EPA 1664	3	DEB
Cyanide, Total	BRL	mg/L	0.01	02-23-06 13:39	TCN-1161-W	EPA 335.3	1	AVB

Method Reference: Methods for Chemical Analysis of Water and Wastes, US EPA, EPA-600/4-790-020 (Revised 1983), and Methods for the Determination of Inorganic Substances in Environmental Samples, US EPA, EPA/600/R-93/100 (1993), and Standard Methods for the Examination of Water and Wastewater, APHA, Twentieth Edition (1998), and Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

RL Reporting Limit.

1 Instrument ID: Lachat 8000 Autoanalyzer

2 Instrument ID: Milton Roy Spectronic 401

3 Instrument ID: Mettler AT 200 Balance

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category:	EPA 8082	LCS	Instrument ID:	GC-6 HP 5890	LCSD	Instrument ID:	GC-6 HP 5890
QC Batch ID:	PB-2209-F	Extracted:	02-23-06 07:00	Extracted:	02-23-06 07:00		
Matrix:	Aqueous	Cleaned Up:	02-23-06 11:00	Cleaned Up:	02-23-06 11:00		
Units:	ug/L	Analyzed:	02-23-06 14:01	Analyzed:	02-23-06 14:36		
		Analyst:	CRL	Analyst:	CRL		

CAS Number	Analyte	LCS					LCS Duplicate							QC Limits	
		Spiked	Measured		Recovery		Spiked	Measured		Recovery		RPD			
			1st Col	2nd Col	1st Col	2nd Col		1st Col	2nd Col	1st Col	2nd Col	1st Col	2nd Col	Spike	RPD
12674-11-2	Aroclor 1016	5.0	5.2	5.1	103%	102%	5.0	5.2	5.1	104%	103%	1 %	1 %	40 - 140%	30 %
11096-82-5	Aroclor 1260	5.0	5.4	5.5	109%	109%	5.0	5.6	5.6	111%	112%	2 %	2 %	40 - 140%	30 %

QC Surrogate Compound	Surrogate Recovery											QC Limits	
Tetrachloro-m-xylene	0.20	0.20	0.20	101%	98%	0.20	0.21	0.20	103%	99%		30 - 150 %	
Decachlorobiphenyl	0.20	0.22	0.21	108%	104%	0.20	0.23	0.22	113%	111%		30 - 150 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C. Cleanup performed by EPA Method 3660B and EPA Method 3665A.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8082
QC Batch ID: PB-2209-F
Matrix: Aqueous

Instrument ID: GC-6 HP 5890
Extracted: 02-23-06 07:00
Cleaned Up: 02-23-06 11:00
Analyzed: 02-23-06 13:26
Analyst: CRL

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
12674-11-2	Aroclor 1016	BRL		ug/L	0.2
11104-28-2	Aroclor 1221	BRL		ug/L	0.2
11141-16-5	Aroclor 1232	BRL		ug/L	0.2
53469-21-9	Aroclor 1242	BRL		ug/L	0.2
12672-29-6	Aroclor 1248	BRL		ug/L	0.2
11097-69-1	Aroclor 1254	BRL		ug/L	0.2
11096-82-5	Aroclor 1260	BRL		ug/L	0.2
37324-23-5	Aroclor 1262	BRL		ug/L	0.2
11100-14-4	Aroclor 1268	BRL		ug/L	0.2

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
First	Tetrachloro- <i>m</i> -xylene	0.20	0.19	93 %
Column	Decachlorobiphenyl	0.20	0.23	114 %
Second	Tetrachloro- <i>m</i> -xylene	0.20	0.18	90 %
Column	Decachlorobiphenyl	0.20	0.22	110 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C. Cleanup performed by EPA Method 3660B and EPA Method 3665A.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.
+ Non-target analyte. Result is based on a single mid-range calibration standard.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: EPA 8270C (Part 1)
QC Batch ID: SV-1841-L
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 00:49
Analyst: CMM

LCSD
Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 01:29
Analyst: CMM

Page: 1 of 2

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
62-75-9	N-Nitrosodimethylamine	50	29	58 %	50	30	59 %	2 %	40 - 140 %	25%
110-86-1	Pyridine	50	26	51 %	50	27	53 %	5 %	40 - 140 %	25%
108-95-2	Phenol	50	20	40 %	50	20	39 %	2 %	30 - 130 %	25%
62-53-3	Aniline	50	34	69 %	50	37	74 %	7 %	40 - 140 %	25%
111-44-4	Bis(2-chloroethyl) ether	50	32	64 %	50	33	66 %	4 %	40 - 140 %	25%
95-57-8	2-Chlorophenol	50	30	59 %	50	30	61 %	3 %	30 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	50	33	66 %	50	35	70 %	5 %	40 - 140 %	25%
106-46-7	1,4-Dichlorobenzene	50	33	66 %	50	34	68 %	3 %	40 - 140 %	25%
100-51-6	Benzyl Alcohol	50	34	68 %	50	34	69 %	2 %	30 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	50	32	64 %	50	34	67 %	5 %	40 - 140 %	25%
95-48-7	2-Methylphenol	50	31	62 %	50	33	65 %	4 %	30 - 130 %	25%
108-60-1	Bis(2-chloroisopropyl) ether	50	31	61 %	50	32	64 %	5 %	40 - 140 %	25%
106-44-5	4-Methylphenol	50	33	67 %	50	33	66 %	1 %	30 - 130 %	25%
621-64-7	N-Nitrosodi-n-propylamine	50	36	73 %	50	36	72 %	0 %	40 - 140 %	25%
98-86-2	Acetophenone	50	39	77 %	50	39	79 %	2 %	40 - 140 %	25%
67-72-1	Hexachloroethane	50	32	64 %	50	34	67 %	5 %	40 - 140 %	25%
98-95-3	Nitrobenzene	50	35	71 %	50	38	77 %	8 %	40 - 140 %	25%
78-59-1	Isophorone	50	34	69 %	50	37	74 %	7 %	40 - 140 %	25%
88-75-5	2-Nitrophenol	50	34	68 %	50	36	71 %	5 %	30 - 130 %	25%
105-67-9	2,4-Dimethylphenol	50	37	74 %	50	40	79 %	6 %	30 - 130 %	25%
111-91-1	Bis(2-chloroethoxy) methane	50	36	71 %	50	38	75 %	5 %	40 - 140 %	25%
120-83-2	2,4-Dichlorophenol	50	34	69 %	50	37	74 %	7 %	30 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	50	36	73 %	50	39	78 %	7 %	40 - 140 %	25%
106-47-8	4-Chloroaniline	50	39	79 %	50	44	87 %	10 %	40 - 140 %	25%
87-68-3	Hexachlorobutadiene	50	32	64 %	50	35	71 %	10 %	40 - 140 %	25%
59-50-7	4-Chloro-3-methylphenol	50	38	75 %	50	40	79 %	5 %	30 - 130 %	25%
77-47-4	Hexachlorocyclopentadiene	50	31	61 %	50	32	65 %	5 %	40 - 140 %	25%
88-06-2	2,4,6-Trichlorophenol	50	36	71 %	50	36	73 %	2 %	30 - 130 %	25%
95-95-4	2,4,5-Trichlorophenol	50	40	80 %	50	40	80 %	1 %	30 - 130 %	25%
91-58-7	2-Chloronaphthalene	50	40	79 %	50	40	81 %	2 %	40 - 140 %	25%
88-74-4	2-Nitroaniline	50	44	88 %	50	45	89 %	2 %	40 - 140 %	25%
100-25-4	1,4-Dinitrobenzene	50	44	87 %	50	44	89 %	2 %	40 - 140 %	25%
131-11-3	Dimethyl phthalate	50	44	89 %	50	45	90 %	1 %	40 - 140 %	25%
99-65-0	1,3-Dinitrobenzene	50	39	79 %	50	40	79 %	0 %	40 - 140 %	25%
606-20-2	2,6-Dinitrotoluene	50	44	87 %	50	44	88 %	1 %	40 - 140 %	25%
528-29-0	1,2-Dinitrobenzene	50	44	88 %	50	45	89 %	1 %	40 - 140 %	25%
99-09-2	3-Nitroaniline	50	45	91 %	50	47	93 %	2 %	40 - 140 %	25%
51-28-5	2,4-Dinitrophenol	50	40	79 %	50	40	80 %	0 %	30 - 130 %	25%
100-02-7	4-Nitrophenol	50	23	47 %	50	22	45 %	4 %	30 - 130 %	25%
132-64-9	Dibenzofuran	50	43	86 %	50	44	88 %	3 %	40 - 140 %	25%
121-14-2	2,4-Dinitrotoluene	50	44	87 %	50	44	88 %	1 %	40 - 140 %	25%
84-66-2	Diethyl phthalate	50	44	89 %	50	45	90 %	1 %	40 - 140 %	25%
7005-72-3	4-Chlorophenyl phenyl ether	50	43	85 %	50	44	87 %	2 %	40 - 140 %	25%
100-01-6	4-Nitroaniline	50	45	91 %	50	47	93 %	2 %	40 - 140 %	25%
534-52-1	4,6-Dinitro-2-methylphenol	50	40	80 %	50	40	81 %	1 %	30 - 130 %	25%
86-30-6	N-Nitrosodiphenylamine	50	42	85 %	50	43	86 %	2 %	40 - 140 %	25%
122-66-7	1,2-Diphenylhydrazine	50	47	93 %	50	47	94 %	1 %	40 - 140 %	25%
101-55-3	4-Bromophenyl phenyl ether	50	48	95 %	50	49	98 %	3 %	40 - 140 %	25%

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GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: EPA 8270C (Part 1)
QC Batch ID: SV-1841-L
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 00:49
Analyst: CMM

LCSD
Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 01:29
Analyst: CMM

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CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
86-74-8	Carbazole	50	47	93 %	50	47	94 %	1 %	40 - 140 %	25%
84-74-2	Di-n-butyl phthalate	50	45	90 %	50	46	92 %	2 %	40 - 140 %	25%
85-68-7	Butyl benzyl phthalate	50	42	85 %	50	42	84 %	1 %	40 - 140 %	25%
91-94-1	3,3'-Dichlorobenzidine	50	43	87 %	50	43	86 %	0 %	40 - 140 %	25%
117-81-7	Bis(2-ethylhexyl) phthalate	50	44	88 %	50	43	87 %	2 %	40 - 140 %	25%
117-84-0	Di-n-octyl phthalate	50	47	94 %	50	48	95 %	2 %	40 - 140 %	25%
QC Surrogate Compound		Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits	
2-Fluorophenol		20	10	49 %	20	10	51 %		15 - 110 %	
Phenol-d5		20	8	41 %	20	8	40 %		15 - 110 %	
Nitrobenzene-d5		10	6	64 %	10	7	73 %		30 - 130 %	
2-Fluorobiphenyl		10	8	80 %	10	8	84 %		30 - 130 %	
2,4,6-Tribromophenol		20	15	74 %	20	15	73 %		15 - 110 %	
Terphenyl-d14		10	8	81 %	10	8	80 %		30 - 130 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Sample extraction performed by EPA Method 3520C.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

† Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

0 Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8270C (Part 1)
QC Batch ID: SV-1841-L
Matrix: Aqueous

Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 00:08
Analyst: CMM

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CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
62-75-9	N-Nitrosodimethylamine	BRL		ug/L	5
110-86-1	Pyridine	BRL		ug/L	5
108-95-2	Phenol	BRL		ug/L	5
62-53-3	Aniline	BRL		ug/L	5
111-44-4	Bis(2-chloroethyl) ether	BRL		ug/L	5
95-57-8	2-Chlorophenol	BRL		ug/L	5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	5
100-51-6	Benzyl Alcohol	BRL		ug/L	5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	5
95-48-7	2-Methylphenol	BRL		ug/L	5
108-60-1	Bis(2-chloroisopropyl) ether	BRL		ug/L	5
108-39-4/106-44-5	3 and 4-Methylphenol *	BRL		ug/L	5
621-64-7	N-Nitrosodi-n-propylamine	BRL		ug/L	5
98-86-2	Acetophenone	BRL		ug/L	5
67-72-1	Hexachloroethane	BRL		ug/L	5
98-95-3	Nitrobenzene	BRL		ug/L	5
78-59-1	Isophorone	BRL		ug/L	5
88-75-5	2-Nitrophenol	BRL		ug/L	5
105-67-9	2,4-Dimethylphenol	BRL		ug/L	5
111-91-1	Bis(2-chloroethoxy) methane	BRL		ug/L	5
120-83-2	2,4-Dichlorophenol	BRL		ug/L	5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	5
106-47-8	4-Chloroaniline	BRL		ug/L	5
87-68-3	Hexachlorobutadiene	BRL		ug/L	5
59-50-7	4-Chloro-3-methylphenol	BRL		ug/L	5
77-47-4	Hexachlorocyclopentadiene	BRL		ug/L	5
88-06-2	2,4,6-Trichlorophenol	BRL		ug/L	5
95-95-4	2,4,5-Trichlorophenol	BRL		ug/L	5
91-58-7	2-Chloronaphthalene	BRL		ug/L	5
86-74-4	2-Nitroaniline	BRL		ug/L	5
100-25-4	1,4-Dinitrobenzene	BRL		ug/L	5
131-11-3	Dimethyl phthalate	BRL		ug/L	5
99-65-0	1,3-Dinitrobenzene	BRL		ug/L	5
606-20-2	2,6-Dinitrotoluene	BRL		ug/L	5
528-29-0	1,2-Dinitrobenzene	BRL		ug/L	5
99-09-2	3-Nitroaniline	BRL		ug/L	5
51-28-5	2,4-Dinitrophenol	BRL		ug/L	5
100-02-7	4-Nitrophenol	BRL		ug/L	5
132-64-9	Dibenzofuran	BRL		ug/L	5
121-14-2	2,4-Dinitrotoluene	BRL		ug/L	5
84-66-2	Diethyl phthalate	BRL		ug/L	5
7005-72-3	4-Chlorophenyl phenyl ether	BRL		ug/L	5
100-01-6	4-Nitroaniline	BRL		ug/L	5
534-52-1	4,6-Dinitro-2-methylphenol	BRL		ug/L	5

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8270C (Part 1)
QC Batch ID: SV-1841-L
Matrix: Aqueous

Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-25-06 00:08
Analyst: CMM

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CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
86-30-6	N-Nitrosodiphenylamine *	BRL		ug/L	5
122-66-7	1,2-Diphenylhydrazine °	BRL		ug/L	5
101-55-3	4-Bromophenyl phenyl ether	BRL		ug/L	5
86-74-8	Carbazole	BRL		ug/L	5
84-74-2	Di-n-butyl phthalate	BRL		ug/L	5
85-68-7	Butyl benzyl phthalate	BRL		ug/L	5
91-94-1	3,3'-Dichlorobenzidine	BRL		ug/L	5
117-81-7	Bis(2-ethylhexyl) phthalate	BRL		ug/L	5
117-84-0	Di-n-octyl phthalate	BRL		ug/L	5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	20	10	49 %	15 - 110 %
Phenol-d5	20	8	39 %	15 - 110 %
Nitrobenzene-d5	10	6	63 %	30 - 130 %
2-Fluorobiphenyl	10	8	75 %	30 - 130 %
2,4,6-Tribromophenol	20	12	61 %	15 - 110 %
Terphenyl-d14	10	7	70 %	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3520C.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

* Analyzed as 4-Methylphenol.

+ Reported as sum of N-Nitrosodiphenylamine and Diphenylamine.

° Analyzed as Azobenzene.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: EPA 8270C (Part 2)
QC Batch ID: SV-1841-F
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-3 HP 5890
Extracted: 02-23-06 15:00
Analyzed: 02-24-06 17:10
Analyst: CMM

LCSD
Instrument ID: MS-6 HP 6890
Extracted: 02-23-06 15:00
Analyzed: 02-24-06 17:49
Analyst: CMM

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
91-20-3	Naphthalene	5.0	2.9	58 %	5.0	3.0	60 %	3 %	40 - 140 %	25%
91-57-6	2-Methylnaphthalene	5.0	3.3	65 %	5.0	3.3	66 %	1 %	40 - 140 %	25%
208-96-8	Acenaphthylene	5.0	3.8	75 %	5.0	3.8	76 %	1 %	40 - 140 %	25%
83-32-9	Acenaphthene	5.0	3.7	73 %	5.0	3.6	73 %	1 %	40 - 140 %	25%
86-73-7	Fluorene	5.0	4.2	83 %	5.0	4.1	83 %	1 %	40 - 140 %	25%
85-01-8	Phenanthrene	5.0	3.9	77 %	5.0	3.9	78 %	1 %	40 - 140 %	25%
120-12-7	Anthracene	5.0	4.2	83 %	5.0	4.2	84 %	1 %	40 - 140 %	25%
206-44-0	Fluoranthene	5.0	4.5	89 %	5.0	4.5	90 %	1 %	40 - 140 %	25%
129-00-0	Pyrene	5.0	4.0	79 %	5.0	4.0	79 %	0 %	40 - 140 %	25%
56-55-3	Benzo[a]anthracene	5.0	4.4	87 %	5.0	4.5	90 %	3 %	40 - 140 %	25%
218-01-9	Chrysene	5.0	4.1	83 %	5.0	4.2	85 %	3 %	40 - 140 %	25%
205-99-2	Benzo[b]fluoranthene	5.0	4.1	82 %	5.0	4.2	85 %	4 %	40 - 140 %	25%
207-08-9	Benzo[k]fluoranthene	5.0	4.0	80 %	5.0	4.1	83 %	3 %	40 - 140 %	25%
50-32-8	Benzo[a]pyrene	5.0	4.2	84 %	5.0	4.3	86 %	3 %	40 - 140 %	25%
193-39-5	Indeno[1,2,3-c,d]pyrene	5.0	4.0	80 %	5.0	4.1	82 %	2 %	40 - 140 %	25%
53-70-3	Dibenzo[a,h]anthracene	5.0	3.9	78 %	5.0	4.0	80 %	2 %	40 - 140 %	25%
191-24-2	Benzo[g,h,i]perylene	5.0	4.2	85 %	5.0	4.4	87 %	3 %	40 - 140 %	25%
87-68-3	Hexachlorobutadiene	5.0	3.7	74 %	5.0	3.8	76 %	3 %	40 - 140 %	25%
118-74-1	Hexachlorobenzene	5.0	4.9	99 %	5.0	4.9	99 %	0 %	40 - 140 %	25%
87-86-5	Pentachlorophenol	5.0	4.6	92 %	5.0	4.7	94 %	2 %	30 - 130 %	25%
QC Surrogate Compound		Spiked	Measured	Recovery	Spiked	Measured	Recovery		QC Limits	
2-Fluorophenol		20	10	52 %	20	10	52 %		15 - 110 %	
Phenol-d5		20	9	44 %	20	9	44 %		15 - 110 %	
Nitrobenzene-d5		10	8	79 %	10	8	81 %		30 - 130 %	
2-Fluorobiphenyl		10	7	72 %	10	7	73 %		30 - 130 %	
2,4,6-Tribromophenol		20	19	93 %	20	19	95 %		15 - 110 %	
Terphenyl-d14		10	8	77 %	10	8	78 %		30 - 130 %	

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample extraction performed by EPA Method 3510C.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology,
or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8270C (Part 2)
QC Batch ID: SV-1841-F
Matrix: Aqueous

Instrument ID: MS-6 HP 6890
Extracted: 02-23-06 15:00
Analyzed: 02-24-06 18:28
Analyst: CMM

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
91-20-3	Naphthalene	BRL		ug/L	0.5
91-57-6	2-Methylnaphthalene	BRL		ug/L	0.5
208-96-8	Acenaphthylene	BRL		ug/L	0.5
83-32-9	Acenaphthene	BRL		ug/L	0.5
86-73-7	Fluorene	BRL		ug/L	0.5
85-01-8	Phenanthrene	BRL		ug/L	0.5
120-12-7	Anthracene	BRL		ug/L	0.5
206-44-0	Fluoranthene	BRL		ug/L	0.5
129-00-0	Pyrene	BRL		ug/L	0.5
56-55-3	Benzo[a]anthracene	BRL		ug/L	0.1
218-01-9	Chrysene	BRL		ug/L	0.1
205-99-2	Benzo[b]fluoranthene	BRL		ug/L	0.1
207-08-9	Benzo[k]fluoranthene	BRL		ug/L	0.1
50-32-8	Benzo[a]pyrene	BRL		ug/L	0.1
193-39-5	Indeno[1,2,3-c,d]pyrene	BRL		ug/L	0.1
53-70-3	Dibenzo[a,h]anthracene	BRL		ug/L	0.1
191-24-2	Benzo[g,h,i]perylene	BRL		ug/L	0.1
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
118-74-1	Hexachlorobenzene	BRL		ug/L	0.5
87-86-5	Pentachlorophenol	BRL		ug/L	1.0

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
2-Fluorophenol	20	11	54 %	15 - 110 %
Phenol-d5	20	8.8	44 %	15 - 110 %
Nitrobenzene-d5	10	7.9	79 %	30 - 130 %
2-Fluorobiphenyl	10	7.2	72 %	30 - 130 %
2,4,6-Tribromophenol	20	17	84 %	15 - 110 %
Terphenyl-d14	10	7.2	72 %	30 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Method modified by use of selected ion monitoring (SIM) in accordance with Section 7.5.5 of the method.
Sample extraction performed by EPA Method 3510C.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: Metals
Matrix: Aqueous
Units: mg/L

Sample Type	Method	QC Batch ID	Prep Method	Prepared	Analyzed	Instrument ID	Analyst
LCS	EPA 7041	MB-1944-WL	EPA 3010A	02-23-06 09:14	02-24-06 16:13	GFAA-1 PE S100 Zeeman	MWR
LCS	EPA 6010B	MB-1944-WL	EPA 3010A	02-23-06 09:14	02-27-06 14:04	ICP-2 PE 3300	MWR
LCS	EPA 7470A	MP-1802-WL	EPA 7470A	02-23-06 09:10	02-23-06 12:42	CVAA-1 PE FIMS	KLB
LCSD	EPA 7041	MB-1944-WL	EPA 3010A	02-23-06 09:14	02-23-06 12:45	GFAA-1 PE S100 Zeeman	MWR
LCSD	EPA 6010B	MB-1944-WL	EPA 3010A	02-23-06 09:14	02-28-06 15:19	ICP-2 PE 3300	MWR
LCSD	EPA 7470A	MP-1802-WL	EPA 7470A	02-23-06 09:10	02-23-06 12:45	CVAA-1 PE FIMS	KLB

CAS Number	Analyte	LCS			LCS Duplicate				QC Limits		Method
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	LCS	RPD	
7440-36-0	Antimony	0.050	0.045	90%	0.050	0.043	85%	3 %	80-120 %	20 %	EPA 7041
7440-38-2	Arsenic	5.0	5.6	112%	5.0	5.5	109%	1 %	80-120 %	20 %	EPA 6010B
7440-43-9	Cadmium	1.0	1.1	105%	1.0	1.0	103%	1 %	80-120 %	20 %	EPA 6010B
7440-47-3	Chromium	1.0	1.0	103%	1.0	1.0	101%	1 %	80-120 %	20 %	EPA 6010B
7440-50-8	Copper	1.0	1.0	100%	1.0	0.99	99%	1 %	80-120 %	20 %	EPA 6010B
7439-89-6	Iron	5.0	5.0	100%	5.0	4.9	98%	1 %	80-120 %	20 %	EPA 6010B
7439-92-1	Lead	0.050	0.0503	101%	0.050	0.0508	102%	0 %	80-120 %	20 %	EPA 6010B
7439-97-6	Mercury	0.0010	0.0011	110%	0.0010	0.0010	104%	3 %	80-120 %	20 %	EPA 7470A
7440-02-0	Nickel	1.0	1.0	101%	1.0	1.0	99%	1 %	80-120 %	20 %	EPA 6010B
7782-49-2	Selenium	0.050	0.049	99%	0.050	0.047	93%	3 %	80-120 %	20 %	EPA 6010B
7440-22-4	Silver	1.0	1.1	105%	1.0	1.0	103%	1 %	80-120 %	20 %	EPA 6010B
7440-66-6	Zinc	1.0	1.1	106%	1.0	1.0	104%	1 %	80-120 %	20 %	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: Metals
Matrix: Aqueous

Analysis Method	QC Batch ID	Prep Method	Prepared	Sample Volume	Instrument ID	Analyst
EPA 7041	MB-1944-WB	EPA 3010A	02-23-06 09:14	50 mL	CFAA-1 PE 5100 Zircon	MWR
EPA 6010B	MB-1944-WB	EPA 3010A	02-23-06 09:14	50 mL	ICP-2 PE 3300	MWR
EPA 7470A	MP-1802-WB	EPA 7470A	02-23-06 09:10	25 mL	CVAA-1 PE 6145	KLB

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit	DF	Analyzed	Method
7440-36-0	Antimony	BRL		mg/L	0.006	1	02-24-06 16:07	EPA 7041
7440-38-2	Arsenic	BRL		mg/L	0.01	1	02-27-06 14:01	EPA 6010B
7440-43-9	Cadmium	BRL		mg/L	0.005	1	02-27-06 14:01	EPA 6010B
7440-47-3	Chromium	BRL		mg/L	0.01	1	02-27-06 14:01	EPA 6010B
7440-50-8	Copper	BRL		mg/L	0.025	1	02-27-06 14:01	EPA 6010B
7439-89-6	Iron	BRL		mg/L	0.1	1	02-27-06 14:01	EPA 6010B
7439-92-1	Lead	BRL		mg/L	0.001	1	02-28-06 09:43	EPA 6010B
7439-97-6	Mercury	BRL		mg/L	0.0002	1	02-23-06 12:42	EPA 7470A
7440-02-0	Nickel	BRL		mg/L	0.04	1	02-27-06 14:01	EPA 6010B
7782-49-2	Selenium	BRL		mg/L	0.005	1	02-28-06 15:11	EPA 6010B
7440-22-4	Silver	BRL		mg/L	0.007	1	02-27-06 14:01	EPA 6010B
7440-66-6	Zinc	BRL		mg/L	0.2	1	02-27-06 14:01	EPA 6010B

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).

Report Notations: BRL indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

DF Dilution Factor.

GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: EPA Method 8260B
QC Batch ID: VM4-3454-WL
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 07:54
Analyst: LMG

LCSD
Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 08:23
Analyst: LMG

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CAS Number	Analyte	LCS			LCS Duplicate			RPD	QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery		Spike	RPD
75-71-8	Dichlorodifluoromethane	10	8.7	87 %	10	9	90 %	3 %	70 - 130 %	25 %
74-87-3	Chloromethane	10	9.4	94 %	10	9.2	92 %	3 %	70 - 130 %	25 %
75-01-4	Vinyl Chloride	10	10	100 %	10	9.3	93 %	8 %	70 - 130 %	25 %
74-83-9	Bromomethane	10	11	108 %	10	10	102 %	6 %	70 - 130 %	25 %
75-00-3	Chloroethane	10	11	110 %	10	9.9	99 %	11 %	70 - 130 %	25 %
75-69-4	Trichlorofluoromethane	10	9.2	92 %	10	9.7	97 %	5 %	70 - 130 %	25 %
60-29-7	Diethyl Ether	20	18	92 %	20	22	108 %	16 %	70 - 130 %	25 %
75-35-4	1,1-Dichloroethene	10	8.7	87 %	10	9.3	93 %	6 %	70 - 130 %	25 %
76-13-1	1,1,2-Trichlorotrifluoroethane	20	17	86 %	20	17	84 %	3 %	70 - 130 %	25 %
67-64-1	Acetone	20	17	83 %	20	16	81 %	2 %	70 - 130 %	25 %
75-15-0	Carbon Disulfide	20	16	81 %	20	16	79 %	2 %	70 - 130 %	25 %
75-09-2	Methylene Chloride	10	7.2	72 %	10	7.2	72 %	1 %	70 - 130 %	25 %
156-60-5	trans-1,2-Dichloroethene	10	9.9	99 %	10	10	101 %	3 %	70 - 130 %	25 %
1634-04-4	Methyl tert-butyl Ether (MTBE)	10	10	102 %	10	11	106 %	3 %	70 - 130 %	25 %
75-34-3	1,1-Dichloroethane	10	11	105 %	10	10	103 %	2 %	70 - 130 %	25 %
594-20-7	2,2-Dichloropropane	10	10	103 %	10	9.6	96 %	7 %	70 - 130 %	25 %
156-59-2	cis-1,2-Dichloroethene	10	10	102 %	10	9.7	97 %	5 %	70 - 130 %	25 %
78-93-3	2-Butanone (MEK)	20	22	110 %	20	20	100 %	9 %	70 - 130 %	25 %
74-97-5	Bromochloromethane	10	10	103 %	10	11	107 %	3 %	70 - 130 %	25 %
109-99-9	Tetrahydrofuran (THF)	20	22	110 %	20	24	121 %	9 %	70 - 130 %	25 %
67-66-3	Chloroform	10	9.9	99 %	10	9.9	99 %	0 %	70 - 130 %	25 %
71-55-6	1,1,1-Trichloroethane	10	11	108 %	10	8.7	87 %	22 %	70 - 130 %	25 %
56-23-5	Carbon Tetrachloride	10	10	101 %	10	10	100 %	1 %	70 - 130 %	25 %
563-58-6	1,1-Dichloropropene	10	11	108 %	10	8.8	88 %	20 %	70 - 130 %	25 %
71-43-2	Benzene	10	11	107 %	10	10	103 %	4 %	70 - 130 %	25 %
107-06-2	1,2-Dichloroethane	10	11	111 %	10	9.7	97 %	13 %	70 - 130 %	25 %
79-01-6	Trichloroethene	10	10	103 %	10	9.7	97 %	6 %	70 - 130 %	25 %
78-87-5	1,2-Dichloropropane	10	11	109 %	10	10	103 %	6 %	70 - 130 %	25 %
74-95-3	Dibromomethane	10	11	109 %	10	11	106 %	3 %	70 - 130 %	25 %
75-27-4	Bromodichloromethane	10	11	111 %	10	11	109 %	2 %	70 - 130 %	25 %
123-91-1	1,4-Dioxane	200	150	75 %	200	140	72 %	4 %	70 - 130 %	25 %
10061-01-5	cis-1,3-Dichloropropene	10	11	108 %	10	8.8	88 %	20 %	70 - 130 %	25 %
108-10-1	4-Methyl-2-Pentanone (MIBK)	20	22	112 %	20	23	113 %	1 %	70 - 130 %	25 %
108-88-3	Toluene	10	11	108 %	10	10	104 %	4 %	70 - 130 %	25 %
10061-02-6	trans-1,3-Dichloropropene	10	10	104 %	10	11	107 %	3 %	70 - 130 %	25 %
79-00-5	1,1,2-Trichloroethane	10	10	104 %	10	10	105 %	1 %	70 - 130 %	25 %
127-18-4	Tetrachloroethane	10	9.9	99 %	10	9.8	98 %	0 %	70 - 130 %	25 %
142-28-9	1,3-Dichloropropane	10	9.8	98 %	10	10	102 %	4 %	70 - 130 %	25 %
591-78-6	2-Hexanone	20	22	111 %	20	23	116 %	5 %	70 - 130 %	25 %
124-48-1	Dibromochloromethane	10	10	102 %	10	11	108 %	6 %	70 - 130 %	25 %
106-93-4	1,2-Dibromoethane (EDB)	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25 %
108-90-7	Chlorobenzene	10	10	100 %	10	10	101 %	2 %	70 - 130 %	25 %
630-20-6	1,1,1,2-Tetrachloroethane	10	10	104 %	10	11	105 %	1 %	70 - 130 %	25 %
100-41-4	Ethylbenzene	10	10	101 %	10	10	104 %	3 %	70 - 130 %	25 %
108-38-3/106-42-3	meta-Xylene and para-Xylene	20	20	101 %	20	20	102 %	1 %	70 - 130 %	25 %
95-47-6	ortho-Xylene	10	9.9	99 %	10	10	100 %	1 %	70 - 130 %	25 %
100-42-5	Styrene	10	10	102 %	10	11	105 %	3 %	70 - 130 %	25 %
75-25-2	Bromoform	10	11	106 %	10	11	114 %	7 %	70 - 130 %	25 %
98-82-8	Isopropylbenzene	10	10	102 %	10	10	104 %	2 %	70 - 130 %	25 %

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GROUNDWATER ANALYTICAL

Quality Control Report Laboratory Control Samples

Category: EPA Method 8260B
QC Batch ID: VM4-3454-WL
Matrix: Aqueous
Units: ug/L

LCS
Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 07:54
Analyst: LMC

LCSD
Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 08:23
Analyst: LMC

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CAS Number	Analyte	LCS			LCS Duplicate				QC Limits	
		Spiked	Measured	Recovery	Spiked	Measured	Recovery	RPD	Spike	RPD
108-86-1	Bromobenzene	10	10	102 %	10	11	106 %	3 %	70 - 130 %	25%
79-34-5	1,1,2,2-Tetrachloroethane	10	10	105 %	10	11	108 %	3 %	70 - 130 %	25%
96-18-4	1,2,3-Trichloropropane	10	13	128 %	10	13	128 %	0 %	70 - 130 %	25%
103-65-1	n-Propylbenzene	10	10	105 %	10	10	104 %	1 %	70 - 130 %	25%
95-49-8	2-Chlorotoluene	10	10	102 %	10	10	102 %	0 %	70 - 130 %	25%
108-67-6	1,3,5-Trimethylbenzene	10	11	106 %	10	10	105 %	1 %	70 - 130 %	25%
106-43-4	4-Chlorotoluene	10	10	103 %	10	10	102 %	2 %	70 - 130 %	25%
98-06-6	tert-Butylbenzene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
95-63-6	1,2,4-Trimethylbenzene	10	11	107 %	10	11	108 %	1 %	70 - 130 %	25%
135-98-8	sec-Butylbenzene	10	10	103 %	10	10	103 %	0 %	70 - 130 %	25%
541-73-1	1,3-Dichlorobenzene	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
99-87-6	4-Isopropyltoluene	10	10	104 %	10	10	103 %	1 %	70 - 130 %	25%
106-46-7	1,4-Dichlorobenzene	10	10	100 %	10	10	101 %	1 %	70 - 130 %	25%
95-50-1	1,2-Dichlorobenzene	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
104-51-8	n-Butylbenzene	10	11	106 %	10	11	106 %	0 %	70 - 130 %	25%
96-12-8	1,2-Dibromo-3-chloropropane	10	10	101 %	10	10	103 %	2 %	70 - 130 %	25%
120-82-1	1,2,4-Trichlorobenzene	10	10	103 %	10	10	104 %	1 %	70 - 130 %	25%
87-68-3	Hexachlorobutadiene	10	10	103 %	10	10	102 %	2 %	70 - 130 %	25%
91-20-3	Naphthalene	10	11	109 %	10	11	113 %	4 %	70 - 130 %	25%
87-61-6	1,2,3-Trichlorobenzene	10	10	104 %	10	10	104 %	0 %	70 - 130 %	25%
75-65-0	tert-Butyl Alcohol (TBA)	200	310	155 % q	200	270	137 % q	13 %	70 - 130 %	25%
108-20-3	Di-isopropyl Ether (DIPE)	10	11	109 %	10	11	106 %	3 %	70 - 130 %	25%
637-92-3	Ethyl tert-butyl Ether (ETBE)	10	10	102 %	10	10	103 %	0 %	70 - 130 %	25%
994-05-8	tert-Amyl Methyl Ether (TAME)	10	11	108 %	10	11	112 %	4 %	70 - 130 %	25%

QC Surrogate Compound	Spiked	Measured	Recovery	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.7	97 %	10	9.5	95 %	70 - 130 %
1,2-Dichloroethane-d ₄	10	9.1	91 %	10	8	80 %	70 - 130 %
Toluene-d ₈	10	11	108 %	10	11	106 %	70 - 130 %
4-Bromofluorobenzene	10	9.8	98 %	10	10	102 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology,
or alternatively based upon the historical average recovery plus or minus three standard deviation units.

q Recovery outside recommended limits.

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3454-W8
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 08:59
Analyst: LMC

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CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
75-71-8	Dichlorodifluoromethane	BRL		ug/L	0.5
74-87-3	Chloromethane	BRL		ug/L	0.5
75-01-4	Vinyl Chloride	BRL		ug/L	0.5
74-83-9	Bromomethane	BRL		ug/L	0.5
75-00-3	Chloroethane	BRL		ug/L	0.5
75-69-4	Trichlorofluoromethane	BRL		ug/L	0.5
60-29-7	Diethyl Ether	BRL		ug/L	2
75-35-4	1,1-Dichloroethene	BRL		ug/L	0.5
76-13-1	1,1,2-Trichlorotrifluoroethane	BRL		ug/L	5
67-64-1	Acetone	BRL		ug/L	10
75-15-0	Carbon Disulfide	BRL		ug/L	5
75-09-2	Methylene Chloride	BRL		ug/L	2.5
156-60-5	trans-1,2-Dichloroethene	BRL		ug/L	0.5
1634-04-4	Methyl tert-butyl Ether (MTBE)	BRL		ug/L	0.5
75-34-3	1,1-Dichloroethane	BRL		ug/L	0.5
594-20-7	2,2-Dichloropropane	BRL		ug/L	0.5
156-59-2	cis-1,2-Dichloroethene	BRL		ug/L	0.5
78-93-3	2-Butanone (MEK)	BRL		ug/L	5
74-97-5	Bromochloromethane	BRL		ug/L	0.5
109-99-9	Tetrahydrofuran (THF)	BRL		ug/L	5
67-66-3	Chloroform	BRL		ug/L	0.5
71-55-6	1,1,1-Trichloroethane	BRL		ug/L	0.5
56-23-5	Carbon Tetrachloride	BRL		ug/L	0.5
563-58-6	1,1-Dichloropropene	BRL		ug/L	0.5
71-43-2	Benzene	BRL		ug/L	0.5
107-06-2	1,2-Dichloroethane	BRL		ug/L	0.5
79-01-6	Trichloroethene	BRL		ug/L	0.5
78-87-5	1,2-Dichloropropane	BRL		ug/L	0.5
74-95-3	Dibromomethane	BRL		ug/L	0.5
75-27-4	Bromodichloromethane	BRL		ug/L	0.5
123-91-1	1,4-Dioxane	BRL		ug/L	500
10061-01-5	cis-1,3-Dichloropropene	BRL		ug/L	0.5
108-10-1	4-Methyl-2-Pentanone (MIBK)	BRL		ug/L	5
108-88-3	Toluene	BRL		ug/L	0.5
10061-02-6	trans-1,3-Dichloropropene	BRL		ug/L	0.5
79-00-5	1,1,2-Trichloroethane	BRL		ug/L	0.5
127-18-4	Tetrachloroethene	BRL		ug/L	0.5
142-28-9	1,3-Dichloropropane	BRL		ug/L	0.5
591-78-6	2-Hexanone	BRL		ug/L	5
124-48-1	Dibromochloromethane	BRL		ug/L	0.5
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.5
108-90-7	Chlorobenzene	BRL		ug/L	0.5
630-20-6	1,1,1,2-Tetrachloroethane	BRL		ug/L	0.5
100-41-4	Ethylbenzene	BRL		ug/L	0.5
108-36-3/106-42-3	meta-Xylene and para-Xylene	BRL		ug/L	0.5
95-47-6	ortho-Xylene	BRL		ug/L	0.5
100-42-5	Styrene	BRL		ug/L	0.5
75-25-2	Bromoform	BRL		ug/L	0.5
98-82-8	Isopropylbenzene	BRL		ug/L	0.5

GROUNDWATER ANALYTICAL

Quality Control Report Method Blank

Category: EPA Method 8260B
QC Batch ID: VM4-3454-WB
Matrix: Aqueous

Instrument ID: MS-4 HP 6890
Analyzed: 02-25-06 08:59
Analyst: LMC

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CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
108-86-1	Bromobenzene	BRL		ug/L	0.5
79-34-5	1,1,2,2-Tetrachloroethane	BRL		ug/L	0.5
96-18-4	1,2,3-Trichloropropane	BRL		ug/L	0.5
103-65-1	n-Propylbenzene	BRL		ug/L	0.5
95-49-8	2-Chlorotoluene	BRL		ug/L	0.5
108-67-8	1,3,5-Trimethylbenzene	BRL		ug/L	0.5
106-43-4	4-Chlorotoluene	BRL		ug/L	0.5
98-06-6	tert-Butylbenzene	BRL		ug/L	0.5
95-63-6	1,2,4-Trimethylbenzene	BRL		ug/L	0.5
135-98-8	sec-Butylbenzene	BRL		ug/L	0.5
541-73-1	1,3-Dichlorobenzene	BRL		ug/L	0.5
99-87-6	4-Isopropyltoluene	BRL		ug/L	0.5
106-46-7	1,4-Dichlorobenzene	BRL		ug/L	0.5
95-50-1	1,2-Dichlorobenzene	BRL		ug/L	0.5
104-51-8	n-Butylbenzene	BRL		ug/L	0.5
96-12-8	1,2-Dibromo-3-chloropropane	BRL		ug/L	0.5
120-82-1	1,2,4-Trichlorobenzene	BRL		ug/L	0.5
87-68-3	Hexachlorobutadiene	BRL		ug/L	0.5
91-20-3	Naphthalene	BRL		ug/L	0.5
87-61-6	1,2,3-Trichlorobenzene	BRL		ug/L	0.5
75-65-0	tert-Butyl Alcohol (TBA)	BRL		ug/L	20
108-20-3	Di-isopropyl Ether (DIPE)	BRL		ug/L	0.5
637-92-3	Ethyl tert-butyl Ether (ETBE)	BRL		ug/L	0.5
994-05-8	tert-Amyl Methyl Ether (TAME)	BRL		ug/L	0.5

QC Surrogate Compound	Spiked	Measured	Recovery	QC Limits
Dibromofluoromethane	10	9.4	94 %	70 - 130 %
1,2-Dichloroethane-d ₄	10	9.5	95 %	70 - 130 %
Toluene-d ₈	10	11	108 %	70 - 130 %
4-Bromofluorobenzene	10	10	100 %	70 - 130 %

Method Reference: Test Methods for Evaluating Solid Waste, US EPA, SW-846, Third Edition, Update III (1996).
Sample preparation performed by EPA Method 5030B.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

**GROUNDWATER
ANALYTICAL****Quality Control Report
Laboratory Control Sample**

Category: EPA Method 504.1
QC Batch ID: PV-0819-E
Matrix: Aqueous
Units: ug/L

Instrument ID: GC-5 HP 5890
Extracted: 02-28-06 10:00
Analyzed: 02-28-06 10:43
Analyst: CRL

CAS Number	Analyte	Spiked	Measured		Recovery		QC Limits
			1st Column	2nd Column	1st Column	2nd Column	
106-93-4	1,2-Dibromoethane (EDB)	0.20	0.20	0.20	100 %	100 %	70 - 130 %
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	0.20	0.19	0.19	96 %	96 %	70 - 130 %

Method Reference: Methods for the Determination of Organic Compounds in Drinking Water, Supplement III, US EPA, EPA-600/R-95/131 (1995). Method Revision 1.1.

Report Notations: All calculations performed prior to rounding. Quality Control Limits are defined by the methodology, or alternatively based upon the historical average recovery plus or minus three standard deviation units.

**GROUNDWATER
ANALYTICAL****Quality Control Report
Method Blank**

Category: EPA Method 504.1
QC Batch ID: PV-0819-E
Matrix: Aqueous

Instrument ID: GC-5 HP 5890
Extracted: 02-28-06 10:00
Analyzed: 02-28-06 12:29
Analyst: CRL

CAS Number	Analyte	Concentration	Notes	Units	Reporting Limit
106-93-4	1,2-Dibromoethane (EDB)	BRL		ug/L	0.02
96-12-8	1,2-Dibromo-3-Chloropropane (DBCP)	BRL		ug/L	0.02

Method Reference: Methods for the Determination of Organic Compounds in Drinking Water, Supplement III, US EPA, EPA-600/R-95/131 (1995). Method Revision 1.1.

Report Notations: BRL Indicates concentration, if any, is below reporting limit for analyte. Reporting limit is the lowest concentration that can be reliably quantified under routine laboratory operating conditions. Reporting limits are adjusted for sample size and dilution.

**GROUNDWATER
ANALYTICAL****Certifications and Approvals**

Groundwater Analytical maintains environmental laboratory certification in a variety of states.
Copies of our current certificates may be obtained from our website:

<http://www.groundwateranalytical.com/qualifications.htm>

CONNECTICUT, Department of Health Services, PH-0586

Categories: Potable Water, Wastewater, Solid Waste and Soil
http://www.dph.state.ct.us/BRS/Environmental_Lab/OutStateLabList.htm

FLORIDA, Department of Health, Bureau of Laboratories, E87643

Categories: SDWA, CWA, RCRA/CERCLA
<http://www.floridadep.org/labs/qa/dohforms.htm>

MAINE, Department of Human Services, MA103

Categories: Drinking Water and Wastewater
<http://www.state.me.us/dhs/eng/water/Compliance.htm>

MASSACHUSETTS, Department of Environmental Protection, M-MA-103

Categories: Potable Water and Non-Potable Water
<http://www.state.ma.us/dep/bspt/wes/files/certlabs.pdf>

NEW HAMPSHIRE, Department of Environmental Services, 202703

Categories: Drinking Water and Wastewater
<http://www.des.state.nh.us/asp/NHELAP/labsview.asp>

NEW YORK, Department of Health, 11754

Categories: Potable Water, Non-Potable Water and Solid Waste
<http://www.wadsworth.org/labcert/elap/comm.html>

PENNSYLVANIA, Department of Environmental Protection, 68-665

Environmental Laboratory Registration (Non-drinking water and Non-wastewater)
<http://www.dep.state.pa.us/Labs/Registered/>

RHODE ISLAND, Department of Health, 54

Categories: Surface Water, Air, Wastewater, Potable Water, Sewage
http://www.healthri.org/labs/labsCT_MA.htm

U.S. Department of Agriculture, Soil Permit, S-53921

Foreign soil import permit

VERMONT, Department of Environmental Conservation, Water Supply Division

Category: Drinking Water
<http://www.vermontdrinkingwater.org/wsops/labtable.PDF>