Groundwater Monitoring, April 2008
Scrap Metal Recycling Facilities Permit
Chapter 31, Portland City Code §31-1 et. Seq.
E. Perry Iron & Metal Co.
Portland, Maine

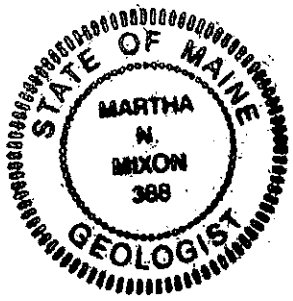
Prepared for:

E. Perry Iron & Metal Co.
115 Lancaster Street
Portland, Maine 04101

Prepared by:

Acadia Environmental Technology
48 Free Street
Portland, Maine 04101

June 19, 2008



Martha N. Mixon
Senior Geologist

Mark T. Arienti
Senior Environmental Engineer

ACADIA
ENVIRONMENTAL TECHNOLOGY

June 19, 2008

Rick Knowland, Senior Planner
Planning & Development Department
City of Portland
389 Congress Street
Portland, Maine 04101

Re: Groundwater Monitoring, April 16-17, 2008
Scrap Metal Recycling Facilities Permit
E. Perry Iron & Metal Co.
Portland, Maine

Dear Mr. Knowland:

Acadia Environmental Technology (Acadia) has prepared the enclosed report to document the results of groundwater monitoring at the E. Perry Iron & Metal Co. (E. Perry) on April 16 and 17, 2008. This work was done to meet the annual groundwater monitoring requirement required under the City of Portland's Code, Chapter 31, Portland City Code §31-1 et. Seq. regulating Scrap Metal Recycling Facilities, and rules promulgated under that ordinance. An application for a permit for E. Perry's facility was recently submitted to the City of Portland.

Please let me know if additional copies of the report are needed and if so, how many you require.

Please do not hesitate to contact us to discuss the groundwater monitoring results or any aspect of the report. Thank you.

Sincerely,

Martha N. Mixon

Martha N. Mixon
Senior Geologist

Mark T. Arienti
Senior Environmental Engineer

Encl.

Introduction

At the request of the E. Perry Iron & Metal Co., Inc. (E. Perry) Acadia Environmental Technology (Acadia) conducted groundwater monitoring at its scrap metal recycling facilities located on Lancaster and Somerset Streets in the Bayside area of Portland, Maine. This work was done according to a work plan dated February 29, 2008 and modified by a letter dated April 7, 2008. This work was designed to meet the requirements for annual testing of groundwater (Rule #8 (a)) under the Scrap Metal Recycling Facility Rules (Rules) promulgated by the City of Portland (City) under Chapter 31, Scrap Metal Recycling Facilities, Revised July 19, 2006, of its Code of Ordinances.

Scope of Work:

The scope of work for groundwater monitoring to meet the City's annual testing requirement under Rule 8 (a) for Scrap Metal Recycling Facilities was as follows:

- Selection of monitoring well locations and preparation of a work plan,
- City approval of monitoring well locations,
- Groundwater monitoring by low-flow methods,
- Laboratory analysis of groundwater samples for VOCs, SVOCs, PCBs, metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, zinc, copper and antimony, diesel range organics (DRO), and gasoline range organics (GRO), and
- Preparation of a report documenting the monitoring results.

Methodology

Monitoring Well Location Selection, City Approval

Monitoring wells which were previously installed for the Brownfields Assessment were used for the annual groundwater monitoring requirement. During a site reconnaissance on February 12, 2008, monitoring wells at the Lancaster and Somerset Street properties were located, opened and inspected to see if they were in good condition for groundwater monitoring. Three wells were selected at each property based on their locations in principal outdoor work areas as specified by the Rule, and the condition of the monitoring well. The selected locations were indicated in a work plan dated February 29, 2008. According to a request from the City's consultant, John Tewhey, one of the locations was modified. This is documented in a letter dated April 7, 2008 (see Appendix B, Supporting Documentation). The selected locations are indicated on Figures 1 and 2 in Appendix A. They include MW-3, MW-5 and MW-7 at Lancaster Street, and MW-A, MW-B and MW-C at Somerset Street. The criteria for selection included past exceedances of MEGs, location in principal outdoor work areas, and condition of the well.

Groundwater Monitoring

Groundwater monitoring was completed according to the Maine Department of Environmental Protection's (MEDEP) Standard Operating Procedure DR#003 (SOP DR003), titled *Groundwater Sampling Using Low Flow Purging and Sampling Protocol,* which is an updated version of the 1996 SOP protocol specified in Rule #8(a).

All wells were redeveloped using a peristaltic pump and surging technique two days prior to commencement of sampling. The redevelopment of monitoring wells is required for wells that have not been sampled for two years or more, according to SOP DR003.

At the commencement of sampling, static groundwater levels were measured with a Heron Dipper-T water level meter to the nearest 0.01 foot from the top of casing. Dedicated tubing was installed in each well prior to sampling. The depth of the intake was within the screened interval within 3 to 5 feet of the bottom of the well. A peristaltic pump was used to purge the wells. The pumping rate was adjusted so that water levels did not draw down significantly during purging and sampling. A YSI600XL flow cell was used to monitor field parameters during low flow purging. Field parameters included temperature, specific conductance, pH, dissolved oxygen, oxidation-reduction potential and turbidity. Samples were collected when field parameters stabilized to within 10 percent of the prior reading for 3 consecutive readings taken at three to five minute intervals.

For one well where the minimum achievable pumping rate (approximately 100 milliliters per minute, mL/min) produced significant water level drawdown, the No-Purge Option of SOP DR003 was used. In the No-Purge Option water is collected from the screened zone of the well using a low pumping rate. Water in the screened zone is assumed to be in equilibrium with water in the water in the soil.

Groundwater samples were placed into laboratory-supplied containers with preservatives as specified by each analytical method, and stored on ice. Chain of custody documentation was maintained.

Laboratory Analysis of Groundwater Samples

Groundwater samples were submitted to Katahdin Analytical Services located in Scarborough, Maine for analysis of the parameters specified by Rule 3 (c). These include the following: VOCs (EPA Method 8260B), SVOCs (EPA Method 8270), PCBs (EPA Method 8082), metals (EPA method 6010 or 7000 series: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, zinc, copper and antimony), DRO (Maine Health and Environmental Testing Laboratory, HETL, Method 4.1.25) and GRO (Maine HETL Method 4.2.17). This list differs from the list done for the Brownfields Assessment. The Brownfields Assessment analytical list did not include DRO and GRO, and included additional metals (aluminum, beryllium, calcium, cobalt, iron, magnesium, manganese, nickel, potassium, sodium, thallium, vanadium). Laboratory data were compared to the Maine Department of Health and Human Services (MEDHS) list of Maximum Exposure Guidelines (MEGs) for drinking water, to the MEDEP's *Procedural Guidelines for Establishing Action Levels and Remediation Goals for the Remediation of Oil-Contaminated Soil and Groundwater in Maine, March 13, 2000 (Procedural Guidelines)*, as specified by the City's Rule.

Results

Hydrogeology

Static groundwater levels were measured prior to sampling each well. At the Lancaster Street property static groundwater levels ranged from 4.37 to 4.50 feet below ground surface on April 17, 2008. At the Somerset Street property static water groundwater levels ranged from 3.49 to 6.21 feet below ground surface on April 16, 2008. These data are shown in Table 1 in Appendix A.

Top of casing elevations are not available at the site for calculation of groundwater table elevations. Ground surface elevations vary by less than +/- 1 foot across each property. The horizontal groundwater gradient appears to be towards the north and Back Cove. Regional topography also suggests a gradient towards the north.

Groundwater Quality

Groundwater quality data is summarized in Table 2, Summary of Detected Analytes in Groundwater, Appendix A. The full laboratory report is in Appendix C. Locations of monitoring wells are shown on Figures 1 and 2 in Appendix A. At the Lancaster Street property the wells monitored were MW-3, MW-5, and MW-7. At the Somerset Street property MW-A, MW-B and MW-C were monitored.

Field parameters monitored during low flow sampling are shown on the field records in Appendix B. All but one monitoring well had adequate recharge for low flow sampling. The No Purge Option in the MEDEP SOP was used for MW-C (Somerset Street) due to low recharge rates. The groundwater pH at time of sampling ranged from 6.25 to 6.83. Dissolved oxygen ranged from 0.50 to 6.26. Turbidity was less than 2 ntu for all wells. Filtration of groundwater for metals analysis was not required because of the low turbidity values.

The following is a list of laboratory analyses which show concentrations that exceeded the MEGs (drinking water standards) in April 2008.

Lancaster Street

MW-3			
	DRO	320 µg/L	(MEG = 50 µg/L)
	antimony	4.7B µg/L	(MEG = 3 µg/L)
	lead	24 µg/L	(MEG = 10 µg/L)
MW-5			
	DRO	1100 µg/L	(MEG = 50 µg/L)
	arsenic	57.8 µg/L	(MEG = 10 µg/L)
MW-7			
	DRO	15000 µg/L	(MEG = 50 µg/L)

Somerset Street

MW-A			
	DRO	1000 µg/L	(MEG = 50 µg/L)
	antimony	3.9B µg/L	(MEG = 3 µg/L)
MW-B			
	DRO	240 µg/L	(MEG = 50 µg/L)
	cadmium	4.1B µg/L	(MEG = 3.5 µg/L)
MW-C			
	MtBE	81 µg/L	(MEG = 35 µg/L)
	DRO	460 µg/L	(MEG = 50 µg/L)
	GRO	54 µg/L	(MEG = 50 µg/L)
	antimony	13.3 µg/L	(MEG = 3 µg/L)

Conclusions

DRO exceeded the drinking water standard in all wells tested. GRO, MtBE, antimony, arsenic, cadmium, and lead exceeded the drinking water standard in one or more wells. The concentrations encountered are typical of urban areas with a long history of development and industrial activity. Groundwater is not in use as drinking water in the site vicinity and the site is not located on a significant sand and gravel aquifer that would be suitable for drinking water supply.

Please do not hesitate to let us know if you have any questions on the groundwater monitoring results. Thank you.

Sincerely,

Martha N. Mixon
Senior Geologist

Mark T. Arienti
Senior Environmental Engineer

Appendix A: Figures and Tables

Groundwater Monitoring, April 2008
Scrap Metal Recycling Facilities Permit
Chapter 31, Portland City Code §31-1 et. Seq.
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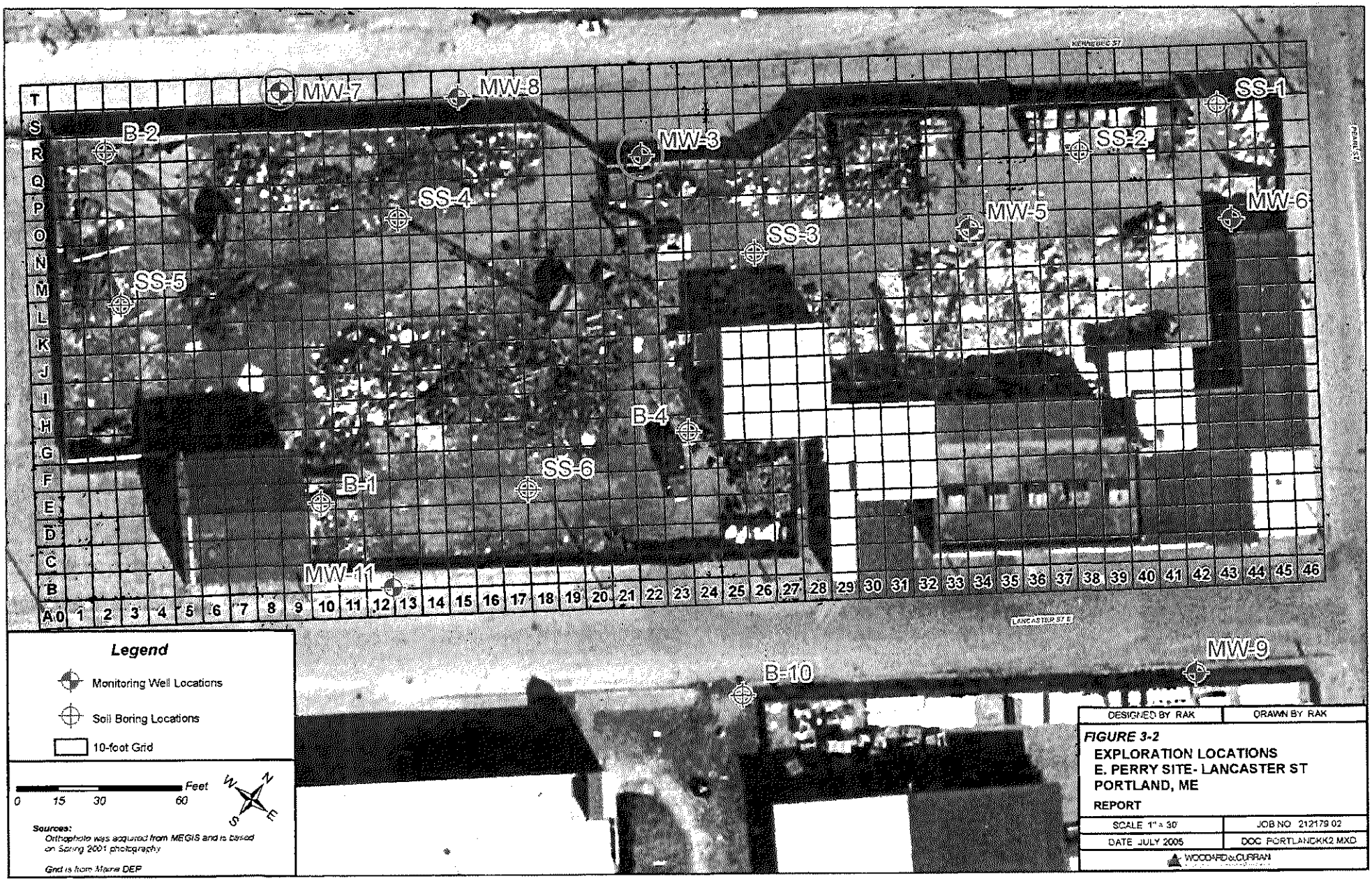


Monitoring well for annual testing, April 2008

Figure 1
Lancaster Street Monitoring Well Locations
April 2008

Monitoring well locations for annual testing, April 2008

Figure 2
Somerset Street Monitoring Well Locations
April 2008

Table 1: Groundwater Gauging Data, E. Perry Iron & Metal Co.

Well ID	Date	Depth to Water (feet)
MW-3	5/3/2005	3.98
MW-3	4/17/2008	4.50
MW5	5/2/2005	3.82
MW-5	4/17/2008	4.37
MW-7	5/3/2005	4.01
MW-7	4/17/2008	4.43
MW-A	5/2/2005	2.05
MW-A	4/16/2008	3.57
MW-B	5/2/2005	4.14
MW-B	4/16/2008	6.21
MW-C	not available	4.00
MW-C	4/16/2008	3.49

Table 2: Summary of Detected Analytes in Groundwater, E. Perry Iron & Metal Co.

		Volatile Organic Compounds									PCBs			Metals																
ID		Acetone	Tert butyl alcohol	Methyl tert-butyl ether	1,1-Dichloroethane	Ethyl tertiary-butyl ether	cis-1,2-Dichloroethene	1,1,1-Trichloroethane	Tertiary-amyl methyl ether	Trichloroethene	PCBs (Aroclor 1254)	DRO	GRO	Antimony	Arsenic	Barium	Cadmium	Calcium	Chromium	Cobalt	copper	Iron	Lead	Magnesium	Nickel	Potassium	Selenium	Sodium	Zinc
MEG		6300	-	35	70	-	70	-		32	0.5	50	50	3	10	2000	3.5	-	40	-	1300	-	10	-	140	-	35	20000	2000
MW-3																														
	5/3/2005	<10	<20	3	<2	<2	<2	<2	<2	<2	<0.2	NA	NA	**8.6**	<4.5	40.1	1.3	42600	<1.2	16.8	<3.5	496J	<2.7	6200	41.6	7460	6.7	96500	623J
	4/16/2008	<5	<5	<1	<1	<1	<1	<1	<1	<1	<0.50	**320**	<10	**4.7B**	<1.69	38.2	2.3B	NA	3.8B	NA	13.0B	NA	**24**	NA	55.8	NA	1.8B	NA	936
MW-5																														
	5/2/2005	22	<20	<2	<2	<2	<2	<2	<2	<2	<0.2	NA	NA	<4.1	**12.6**	110	<0.60	60400	<1.2	<2.7	<2.6	730	<2.9	31700	11.5	29400	<4.2	119000	195
	4/16/2008	<5	<5	<1	<1	<1	0.4J	<1	<1	<1	<0.50	**1100**	<10	1.6B	**57.8**	171	<0.04	NA	0.93B	NA	<0.75	NA	5.7	NA	7.6B	NA	<0.96	NA	59.3
MW-7																														
	5/3/2005	<10	<20	30	<2	<2	<2	<2	<2	4	<0.2	NA	NA	<4.1	<4.5	108	**24.3**	213000	<1.2	39.3	<5.2	<37.9	3.4J	24800	138	24000	4.8	98500	**26000J**
	4/16/2008	13	16	14	0.4J	<1	<1	2	<1	0.7J	<0.50	**15000**	46	1.4B	<1.69	47.5	2.8B	NA	0.98B	NA	5.1B	NA	6	NA	35.0B	NA	<0.96	NA	1080
MW-A																														
	5/2/2005	<10	<20	<2	<2	<2	<2	<2	<2	<2	<0.20	NA	NA	**6.6B**	<4.2	72.1B	1.8B	82200	<1.2	3.8B	9.7B	87.5B	<2.9	17000	19.6B	9510	<4.2	27500	631
	4/16/2008	4J	<5	<1	<1	<1	<1	<1	<1	<1	<0.50	**1000**	<10	**3.9B**	<1.69	79.6	1.5B	NA	0.78B	NA	17.6B	NA	2.4B	NA	35.9B	NA	2.3B	NA	489
MW-B																														
	5/2/2005	<10	<20	<2	<2	<2	<2	<2	<2	<2	0.23	NA	NA	<4.1	<4.2	196B	2.2B	65700	<1.2	<2.7	3.9B	38.9B	3.2	7880	10.7B	2860B	<4.2	27900	475
	4/16/2008	<5	<5	<1	<1	<1	<1	<1	<1	<1	<0.50	**240**	<10	1.8B	<1.69	161	**4.1B**	NA	0.76B	NA	9.9B	NA	5.0B	NA	9.0B	NA	<0.96	NA	607
MW-C																														
	5/2/2005	13	<20	2	<2	<2	<2	<2	<2	<2	<0.2J	NA	NA	<4.1	<4.2	45.4B	<0.60	60100	<1.2	<2.7	3.5B	<37.9	<2.9	86900	11.0B	72600	<4.2	1010000	35.2
	4/16/2008	5J	22	**81**	<1	1	<1	<1	19	<1	<0.50	**460**	**54**	**13.3**	8.6	31.7	0.08B	NA	1.9B	NA	9.4B	NA	6.9	NA	13.0B	NA	<0.96	NA	16.9B

Notes

Concentrations in micrograms per Liter

<	Not detected at practical quantitation limit
J or B	Estimated value
NA	Not Analyzed
MEG	Maximum Exposure Guideline for drinking water, Maine Department of Health and Human Services
-	No MEG established for this analyte
15	bold text and shaded cell indicates exceedance of MEG

Appendix B: Supporting Documents

Groundwater Monitoring, April 2008
Scrap Metal Recycling Facilities Permit
Chapter 31, Portland City Code §31-1 et. Seq.
E. Perry Iron & Metal Co.
Portland, Maine

Prepared for:

E. Perry Iron & Metal Co.
115 Lancaster Street
Portland, Maine 04101

Prepared by:

Acadia Environmental Technology
48 Free Street
Portland, Maine 04101

ACADIA Environmental Technology Low Flow Well Sampling Form

4/17/08

Date: 4/17/08

Acadia Job No/Name: E. Perry

Well ID: MW-7

Notes:

Depth reference point: TOC

Well depth: 12.61

Was well pumped dry? _____

Depth to top of screen: _____

Depth to bottom of screen: 12.61

Depth of intake: 8.52

Well diameter: 1"

Pump used: peristaltic

Other equipment: YSI 600 XL

Sampler: JR JS

Time	Depth to Water	Pumping Rate (mL/min.)	Temp.	mS/cm² / Spec. Cond. mS/cm	pH	mg/L DO	ORP/Eh	Turbidity	Notes
11:49	static WL: 4.43								
12:04	4.46	200	6.03	1.197 / 0.764	6.40	2.98	52.2	5.4	
12:09	4.46	200	5.83	1.229 / 0.778	6.37	2.03	40.2	3.0	
12:14	4.46	200	5.91	1.239 / 0.781	6.36	1.66	36.0	2.5	
12:19	4.46	200	5.74	1.248 / 0.785	6.36	1.37	35.1	2.0	
12:24	4.46	200	5.62	1.247 / 0.785	6.33	1.18	35.4	1.9	
12:29	4.46	200	6.03	1.236 / 0.788	6.31	0.96	39.6	2.0	
12:34	4.46	200	6.06	1.237 / 0.789	6.29	0.85	42.3	2.0	
12:39	4.46	200	5.78	1.236 / 0.787	6.25	0.76	46.4	1.9	
									GRO 12:43
									VOCs 12:49
									PCB 12:54
									SVOCs 13:05
									DRO 13:07
									Optic wipe ✓ done

ACADIA Environmental Technology Low Flow Well Sampling Form

Date: 4/17/08

Acadia Job No/Name:

4/17/08

Well ID: MW-3

Notes:

Depth reference point: TOC

Well depth: 12.30

Was well pumped dry? No

Depth to top of screen:

Depth to bottom of screen: 12.50

Depth of intake: 8.4

Well diameter: 1"

Pump used: peristaltic

Other equipment: YSI 600XL flow cell

Sampler: JR JS

Time	Depth to Water	Pumping Rate (mL/min.)	°C Temp.	mS/cm² / mS/cm Spec. Cond.	pH	mg/L DO	ORP/Eh	NTU Turbidity	Notes
	static WL: 4.50								
10:49	4.60	200	5.74	1.189 / 0.752	6.35	7.79	114.6	18.6	
10:54	4.60	200	5.42	1.127 / 0.703	6.23	6.30	127.7	2.4	
10:59	4.60	200	5.31	1.032 / 0.642	6.21	5.79	135.4	1.3	
11:06	4.60	200	5.31	0.976 / 0.607	6.22	5.28	136.0	1.6	
11:11	4.60	200	5.24	0.935 / 0.582	6.25	5.12	136.5	0.9	
11:16	4.60	200	5.30	0.919 / 0.578	6.26	5.10	135.4	0.8	
									GRO 1118
									VOC 1119
									metals 1123
									SVOCs 1127
									PCB 1132
									DRO 1139
									optic wipe

ACADIA Environmental Technology Low Flow Well Sampling Form

4/17/08

Date: 4,17,08

Acadia Job No/Name: E. Perry

Well ID: MW-5

Notes: *turbidity - purgewater appears clear.

Depth reference point: TOC

Well depth: 12.29

Was well pumped dry? NO

Depth to top of screen:

Depth to bottom of screen: 12.29

Depth of intake: 8.33

Well diameter: 1"

Pump used: peristaltic

Other equipment: YSI 600 & XL

Sampler: JR JS

Time	Depth to Water	Pumping Rate (mL/min.)	°C Temp.	mS/cm² / mS/cm Sped. Cond.	pH	mg/L DO	ORP/Eh	NTU Turbidity	Notes
	static WL: 4.37								
9:30am	4.42	200	9.70	1.266 / 0.832	6.15	1.08	-31.7	0.7	11 / 12.29 / 4.37 / 7.92
9:42am	4.42	200	8.38	1.224 / 0.836	6.17	0.75	-33.2	2.5*	24 cc
9:47am	4.42	200	8.09	1.196 / 0.809	6.20	0.62	-36.6	-2.4*	3.5
9:52am	4.42	200	8.24	1.178 / 0.799	6.23	0.57	-40.0	-2.4*	
9:57	4.42	200	7.99	1.152 / 0.778	6.26	0.51	-44.6	-2.1*	
10:02	4.42	200	8.14	1.144 / 0.775	6.28	0.48	-46.5	-2.0*	
10:07	4.42	200	8.09	1.148 / 0.778	6.27	0.50	-45.2	-2.1*	
									VOC 10:10
									GRO 10:08
									SVOC 10:20
									PCB 10:26
									DRO 10:32
									Metals 10:35
									optic wipe

ACADIA Environmental Technology Low Flow Well Sampling Form

HNO_3 → Metals 1L → PCB
2 VOA → GRO 1L → SVOCs
3 VOA → VOCs 8260 2L → DRO

4/16/08

Date: 4·16·08

Acadia Job No/Name: E. Perry

Well ID: MW-A

Notes:

Use filter on metals if >30 NTU

Depth reference point: TOC

Well depth: 12.53 TOC

Was well pumped dry? _____

Depth to top of screen: _____

Depth to bottom of screen: 12.53'

Depth of intake: 7.86'

Well diameter: 1"

Pump used: Geo

Other equipment: YSI

Sampler: JR EP

Time	Depth to Water	Pumping Rate (mL/min.)	°C Temp.	mS/cm² mS/cm Spec. Cond.	pH	mg/L DO	ORP/Eh	NTU Turbidity	Notes
926	static WL: 3.57								
936		100/1	9.95°C	.835 mS/cm² .1602 mS/cm	6.38	4.04	275.8	19.6	
942			9.00	.754 .523	6.25	3.60	281.1	19.0	
949			8.64	.679 .4616	6.18	3.30	287.7	5.0	
953			8.616	.648 .449	6.19	3.24	289.0	2.5	
958	3.64		8.58	.628 .430	6.24	3.23	284.0	2.3	
1004	3.68		8.55	.604 .4116	6.27	3.12	281.7	2.0	
1009	3.68		8.51	.584 .4020	6.30	3.04	279.2	1.6	
1014	3.68		8.48	.573 .392	6.37	3.02	273.3	1.5	
1019	3.68		8.54	.562 .385	6.38	3.01	269.1	1.3	Sampled

ACADIA Environmental Technology Low Flow Well Sampling Form

4/16/08

Date: 4/16/08

Acadia Job No/Name: E. Perry

Well ID: MW-C

Notes: at pumping rate of 100 mL/L SL is dropping from 3.49
DO constant SL turbidity - purge water clear.
sample ftv SL reading, sample collected @ 100 mg/L,

Depth reference point: T.O.C.

Well depth: _____

Was well pumped dry? _____

Depth to top of screen: 5.00

Depth to bottom of screen: 14.69

Depth of intake: ~~9.00~~

Well diameter: 1"

Pump used: Geopump peristaltic

Other equipment: YSI 600 XL

Sampler: EP JR

Time	Depth to Water	Pumping Rate (mL/min.)	°C Temp.	mS/cm² mS/cm Spec. Cond.	pH	mg/L DO	ORP/Eh	NTU Turbidity	Notes
—	static WL 3.49								
1155	9.65		12.14	3.304 3.201	6.65	2.66	73.5	-0.4	
1200	12.49		12.51	3.824 3.912	6.79	2.44	-1.2	-0.9	
1205	13.80		12.40	5.917 4.50x	6.72	2.13	-37.9	-1.60	
1210			13.18	7.40E 5.74S	6.70	2.21	-59.7	-0.60	Intake depth @ Bot. Pumping air + water.
									8260 VOAs → 1228
									8260 → 1237
									Metals → 1202
									optic wipe ✓

No Purge Option

14.69
3.52
2|11.17
5
11

ACADIA Environmental Technology Low Flow Well Sampling Form

Date: 4.16.08

Acadia Job No/Name: E.Perry

4/16/08

Well ID: MW-B

Notes:

Depth reference point: TOC

Well depth: 13.59

Was well pumped dry? NO

Depth to top of screen:

Depth to bottom of screen: 13,59

Depth of intake: 9.90

Well diameter: 1"

Pump used: Geopump

Other equipment: YSI 600 XL

Sampler: EP JR

Time	Depth to Water	Pumping Rate (mL/min.)	°C Temp.	mS/cm Spec. Cond.	pH	mg/L DO	ORP/Eh	NTU Turbidity	Notes
	static WL: 6.21	400 mL/min							13,59 / 6,21 / 7,38 / 3,69 / 6,21 / 9,90
1324	6.30		8.80	.674 .4164	6.64	1.77	154.8	9.0	
1329	6.63		8.32	.615 .419	6.61	1.30	124.1	3.5	
1334	6.63		8.20	.579 .393	6.65	1.09	107.5	1.6	
1340	6.63		7.92	.547 .369	6.71	0.86	86.6	1.2	
1346	6.63		7.82	.533 .359	6.76	0.75	76.6	1.1	
1351	6.63		7.81	.523 .352	6.80	0.72	65.9	1.1	
1356	6.63		7.88	.517 .348	6.83	0.69	61.1	1.1	
									VOC's +GRO 1357
									Metals 1359
									DRO 1407
									PCB 1419
									SVOC's 1422
									↳ optic wipe ✓

ACADIA
ENVIRONMENTAL TECHNOLOGY

February 29, 2008

Rick Knowland
Senior Planner
Portland Maine, Planning & Development Department
389 Congress Street
Portland, Maine 04101

Re: Work Plan, Groundwater Monitoring for Annual Testing Requirement
E. Perry Iron & Metal Co.
Portland, Maine

Dear Mr. Knowland:

Acadia Environmental Technology (Acadia) has prepared this work plan to monitor groundwater quality at the E. Perry Iron & Metal Company's scrap metal recycling facilities located on Lancaster and Somerset Streets in the Bayside area of Portland, Maine. This work plan is designed to meet the requirements for annual testing of groundwater (Rule #8 (a)) under the Scrap Metal Recycling Facility Rules (Rules) promulgated by the City of Portland (City) under Chapter 31, Scrap Metal Recycling Facilities, Revised July 19, 2006, of its Code of Ordinances.

Introduction

Background

The E. Perry Iron & Metal Co. facility sits on historic reclaimed land (filled wetland or surface water) in an area with a long history of development. It has operated as a scrap metal recycling facility since the 1917, according to its owner, Mr. Alan Lerman. Prior to and concurrent with the E. Perry scrap metal operations the vicinity has hosted railroad operations, a foundry, machine shops, petroleum facilities and other scrap yards. The area is urban, and is served by a public water system. Groundwater is not used for drinking water in the site area.

Past environmental investigations at the site include a Phase II Brownfields Assessment dated July 8, 2005, which was done under the Maine Department of Environmental Protection's (MEDEP) Municipal Brownfields Program. The Brownfields Assessment was conducted to meet the requirements for Rule #1, Baseline Testing; Rule #2 Soil Testing; and Rule #3, Groundwater Testing of the City's Rules. The Brownfields Assessment scope of work included shallow and subsurface soil testing (test pits and push probe borings), monitoring well installation, and groundwater monitoring on both the Lancaster Street and Somerset Street properties. Figures 3-1 and 3-2 from that investigation (attached) show the locations of monitoring wells and other explorations on the Somerset Street and Lancaster Street Properties, respectively.

At the Somerset Street property five monitoring wells were installed for the Brownfields Assessment. They are identified as MW-A, MW-B, MW-C, MW-D, and MW-E. They range in depth from 14 to 20 feet below ground surface. Groundwater levels were measured between 4 and 8 feet below ground surface.

At the Lancaster Street property seven monitoring wells were installed, identified as MW-3, MW-5, MW-6, MW-7, MW-8, MW-9 and MW-11. They range in depth from 12 to 14 feet below ground surface. Groundwater levels were measured between 3.5 and 7.5 feet below ground surface.

For the Brownfields Assessment all wells were monitored between April 26 and April 28, 2005. Groundwater samples from each well were submitted for laboratory analysis of volatile organic compounds (VOCs, EPA Method 8260B), semivolatile organic compounds (SVOCs, EPA Method 8270C), metals (EPA Target Analyte List by EPA Method 6010), and polychlorinated byphenyls (PCBs, EPA Method 8082). Monitoring data were compared to the Maine Bureau of Health's Maximum Exposure Guidelines (MEGs) for drinking water. The table of groundwater monitoring results from the Brownfields assessment report is attached. MEG exceedances from the April 2005 monitoring data are summarized in Table 1, below.

The VOCs benzene and methyl tert-butyl ether (MtBE) exceeded their respective MEGs in only one well (MW-E, Somerset Street property). These are petroleum-related compounds that are ubiquitous in urban groundwater. The concentrations of these compounds in MW-E were 28 µg/L (benzene) and 97 µg/L (MtBE). No other VOCs exceeded their MEGs.

No groundwater samples from either site exceeded the MEGs for SVOCs or PCBs.

Several metals exceeded the MEGs. In the Lancaster Street wells, antimony, arsenic, cadmium, manganese, sodium, and zinc exceeded the MEGs in one or more wells. In the Somerset Street wells, antimony, manganese and sodium exceeded the MEGs in one or more wells. It is not clear whether these exceedences are related to scrap metal operations at the site, urban fill, or surrounding industrial uses, both current and historical.

The annual testing requirement in the Rules will be met by choosing a subset of 3 of the monitoring wells from each of the properties (Lancaster and Somerset) and completing sampling and laboratory analysis for the parameters specified in the Rules.

Scope of Work:

The scope of work for groundwater monitoring to meet the City's annual testing requirement under Rule 8 (a) for Scrap Metal Recycling Facilities is as follows:

- Selection of monitoring well locations and preparation of this work plan,
- City approval of monitoring well locations,
- Groundwater monitoring by low flow methods,
- Laboratory analysis of groundwater samples for VOCs, SVOCs, PCBs, metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, zinc, copper and antimony, diesel range organics (DRO), and gasoline range organics (GRO), and
- Preparation of a report documenting the monitoring results.

Methodology

Monitoring Well Location Selection

Monitoring wells which were previously installed for the Brownfields Assessment will be used for the annual testing requirement in the Rules. During a site reconnaissance on February 12, 2008, monitoring wells at the Lancaster and Somerset Street properties were located, opened and inspected to see if they were in good condition for groundwater monitoring. Three wells were selected at each property based on their locations in principal outdoor work areas, as specified by the Rule. The selected locations are indicated on the Figures 3-1 and 3-2, attached. Table 1, below, shows the wells and any exceedances of the MEGs in the April 2005 monitoring data. Wells proposed for inclusion in the annual testing are indicated with a check mark and bold font. They include MW-3, MW-5 and MW-6 at Lancaster Street, and MW-A, MW-B and MW-C at Somerset Street. The criteria for selection included past exceedances of MEGs, location in principal outdoor work areas, and condition of the well.

After receipt of approval of the chosen locations by the City, groundwater will be monitored.

Groundwater Monitoring

Static groundwater levels will be measured with a Heron Dipper-T water level meter to the nearest 0.01 foot from the top of casing prior to sampling.

Groundwater samples will be collected according to the Maine Department of Environmental Protection's (MEDEP) Standard Operating Procedure DR#003, titled *Groundwater Sampling Using Low Flow Purging and Sampling Protocol,* which is an updated version of the 1996 SOP protocol specified in Rule #8(a). Groundwater samples will be placed into laboratory-supplied containers with preservatives as specified by each analytical method, and stored on ice. Chain of custody documentation will be maintained.

Table 1: Monitoring Wells and Groundwater Exceedances of Maximum Exposure Guidelines, April 2005

Lancaster Street - Groundwater Exceedances, April 2005

micrograms per liter (µg/L)

	benzene	MtBE	Sb	As	Cd	Mn	Na	Zn
MEG	12	35	3	10	3.5	500	20000	2000
✔ **MW-3**			8.6				96500	
✔ **MW-5**				12.6		1250	119000	
✔ **MW-6**				98.4		1330	262000	
MW-7					24.3	4160	98500	26000 J
MW-8						1970	133000	
MW-9							87300	
MW-11						1190	209000	

Somerset Street - Groundwater Exceedances, April 2005

micrograms per liter (µg/L)

✔ **MW-A**			6.6 B			513	27500	
✔ **MW-B**							27900	
✔ **MW-C**						785	1010000	
MW-D						1570	92700	
MW-E	28	97				1320	134000	

Notes: MtBE = methyl tert-butyl ether; Sb = Antimony, As = arsenic, Cd = cadmium, Mn = manganese, Na = sodium, Zn = zinc

B = present in laboratory QC blank
J = estimated concentration below calibration range

Laboratory Analysis of Groundwater Samples

Groundwater samples will be submitted to a laboratory certified for the analysis of VOCs (EPA Method 8260B), SVOCs (EPA Method 8270), PCBs (EPA Method 8082), metals (EPA method 6010 or 7000 series: arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver, nickel, zinc, copper and antimony), DRO (Maine Health and Environmental Testing Laboratory, HETL, Method 4.1.25) and GRO (Maine HETL Method 4.2.17).

Report

A report will be prepared documenting the monitoring results. The report, which will be submitted to the City, will include a summary table of detected compounds, with comparisons to the MEGs, and a map showing the locations of the wells included in the testing.

Conclusion

The proposed investigation plan was developed to comply with the Rule #8 (a) of the City's Scrap Metal Recycling Facilities Rules, promulgated pursuant to Chapter 31 of the City of Portland Code of Ordinances for Scrap Metal Recycling Facilities.

We look forward to discussing this plan with you.

Sincerely,

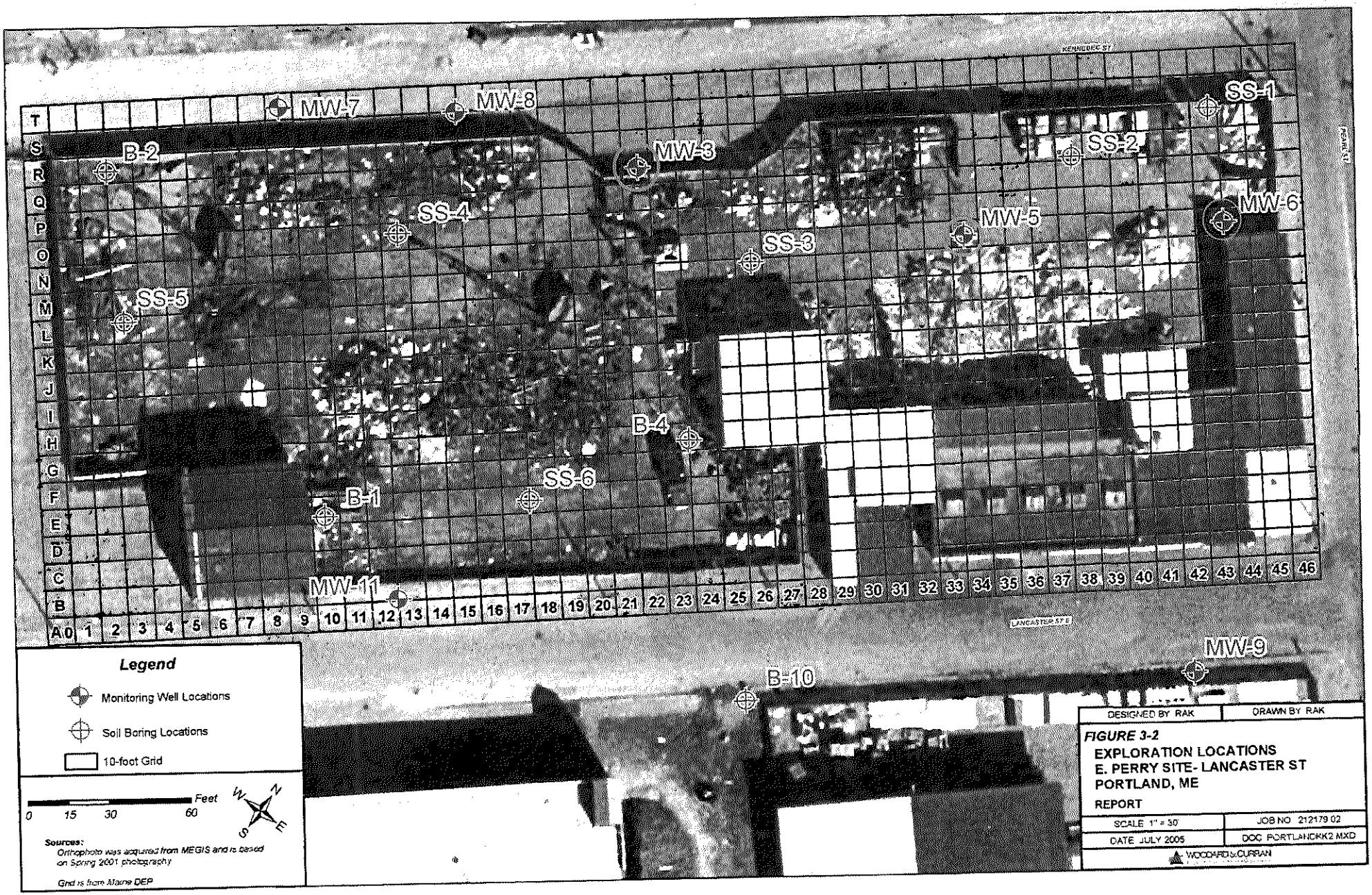
Martha N. Mixon

Martha N. Mixon, CG
Senior Geologist

Thomas E. Schwarm, CG
President-Hydrogeologist

cc: Alan Lerman, E. Perry Iron & Metal Co.
Encl.

Proposed monitoring well for annual testing



Proposed monitoring well for annual testing

Woodard & Curran
Summary of Lancaster Street Groundwater Results
E.Perry Site, Portland, Maine

	MEG	MW-11 05/03/05 Primary	MW-3 05/03/05 Primary	MW-3 05/03/05 Duplicate	MW-5 05/02/05 Primary	MW-6 05/02/05 Primary	MW-7 05/03/05 Primary	MW-8 05/02/05 Primary	MW-9 05/03/05 Primary	MW-9 05/03/05 Duplicate
Volatile Organic Compounds										
Acetone	700	<10	<10	<10	22	<10	<10	<10	<10	<10
Benzene	12	<2	<2	<2	<2	<2	<2	2	<2	<2
Bromobenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromochloromethane	10	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromodichloromethane	6	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromoform	44	<2	<2	<2	<2	<2	<2	<2	<2	<2
Bromomethane	10	<2	<2	<2	<2	<2	<2	<2	<2	<2
tert-Butyl alcohol	---	<20	<20	<20	<20	<20	<20	10J	<20	<20
n-Butylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
sec-Butylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
tert-Butylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon disulfide	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbon tetrachloride	3	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chlorobenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroethane	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloroform	57	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chloromethane	3	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Chlorotoluene	140	<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Chlorotoluene	140	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromo-3-chloropropane	0.25	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromochloromethane	4	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dibromoethane	0.004	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dibromomethane	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	63	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	60	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	21	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dichlorodifluoromethane	1400	<2	<2	<2	<2	<2	<2	2	<2	<2
1,1-Dichloroethane	70	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloroethane	4	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1-Dichloroethene	0.6	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,2-Dichloroethene	70	<2J	<2J	<2J	<2	6	<2J	<2J	<2J	<2J
trans-1,2-Dichloroethene	140	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2-Dichloropropane	5	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,3-Dichloropropane	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
2,2-Dichloropropane	---	<2J	<2J	<2J	<2	<2	<2J	<2J	<2J	<2J
1,1-Dichloropropene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Diethyl ether	---	<2	<2	<2	<2J	<2J	<2	<2	<2	<2
Ethyl t-butyl ether	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Ethylbenzene	70	<2	<2	<2	<2	<2	<2	<2	<2	<2
Hexachlorobutadiene	4	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Hexanone	---	<10	<10	<10	<10	<10	<10	<10	<10	<10
Isopropylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
di-Isopropylether	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
p-Isopropyltoluene	70	<2	<2	<2	<2	<2	<2	<2	<2	<2
Methyl ethyl ketone	1440	<10	<10	<10	<10J	<10J	<10	<10	<10	<10
Methyl isobutyl ketone	---	<10	<10	<10	<10	<10	<10	<10	<10	<10
Methyl tert-butyl ether	35	<2	4	3	<2	<2	30	33	<2	<2
Methylene chloride	47	<5	<5	<5	<5	<5	<5	<5	<5	<5
Naphthalene	14	<2	<2	<2	<2	<2	<2	<2	<2	<2
n-Propylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Styrene	140	<2	<2	<2	<2	<2	<2	<2	<2	<2
Tert-amyl methyl ether	---	<2	<2	<2	<2	<2	2	4	<2	<2
1,1,1,2-Tetrachloroethane	13	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	1.8	<2	<2	<2	<2	<2	<2	<2	<2	<2
Tetrachloroethene	7	<2	<2	<2	<2	2	<2	<2	<2	<2
Tetrahydrofuran	70	<5	<5	<5	<5	<5	<5	<5	<5	<5
Toluene	1400	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	70	<2	<2	<2	<2J	<2J	<2	<2	<2	<2
1,1,1-Trichloroethane	200	<2	<2	<2	<2	<2	<2	<2	<2	<2

Woodard & Curran
Summary of Lancaster Street Groundwater Results
E.Perry Site, Portland, Maine

	MEG	MW-11 05/03/05 Primary	MW-3 05/03/05 Primary	MW-3 05/03/05 Duplicate	MW-5 05/02/05 Primary	MW-6 05/02/05 Primary	MW-7 05/03/05 Primary	MW-8 05/02/05 Primary	MW-9 05/03/05 Primary	MW-9 05/03/05 Duplicate
1,1,2-Trichloroethane	6	<2	<2	<2	<2	<2	<2	<2	<2	<2
Trichloroethene	32	<2	<2	<2	<2	2	4	<2	<2	<2
Trichlorofluoromethane	2000	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	0.05	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,2,4-Trimethylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
1,3,5-Trimethylbenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Vinyl chloride	0.2	<2	<2	<2	<2	<2	<2	<2	<2	<2
m&p-Xylene	---	<2	<2	<2	<2	<2	<2	<2	2	2
o-Xylene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Total Xylenes	14000	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semi-Volatile Organic Compounds										
Acenaphthene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Acenaphthylene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Aniline	---	<2	<2J	<2	---	---	<2	<2	<2	<2
Anthracene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Azobenzene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzidine	---	<20J	<20R	<20J	<20J	<20J	<20J	<20J	<20J	<20J
Benzo(a)anthracene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(a)pyrene	0.05	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(b)fluoranthene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzo(g,h,i)perylene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Benzo(k)fluoranthene	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Benzoic acid	---	<10J	<10	<10	<10	<10R	<10R	<10R	<10	<10
Benzyl alcohol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
bis(2-Chloroethoxy)methane	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
bis(2-Chloroethyl) ether	0.3	<2	<2	<2	<2	<2	<2	<2	<2	<2
bis(2-Chloroisopropyl)ether	300	<2	<2	<2	<2	<2	<2	<2	<2	<2
bis(2-Ethylhexyl) phthalate	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
4-Bromophenyl phenyl ether	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Butylbenzyl phthalate	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Carbazole	---	<2	<2	<2	---	---	<2	<2	<2	<2
4-Chloro-3-methylphenol	---	<10J	<10	<10	<10	<10R	<10R	<10R	<10	<10
4-Chloroaniline	---	<2	<2	<2	---	---	<2	<2	<2	<2
2-Chloronaphthalene	---	<2	<2	<2	---	---	<2	<2	<2	<2
2-Chlorophenol	35	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
4-Chlorophenyl phenyl ether	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Chrysene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Dibenzo(a,h)anthracene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Dibenzofuran	---	<2	<2	<2	---	---	<2	<2	<2	<2
3,3'-Dichlorobenzidine	---	<20	<20	<20	<20	<20	<20	<20	<20	<20
2,4-Dichlorophenol	21	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,6-Dichlorophenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
Diethyl phthalate	5000	<2	<2	<2	<2	<2	<2	<2	<2	<2
Dimethyl phthalate	---	<2	<2	<2	<2J	<2J	<2	<2	<2	<2
2,4-Dimethylphenol	---	<5J	<5J	<5	<5	<5R	<5R	<5R	<5	<5
Di-n-butyl phthalate	700	<2	<2	<2	<2	<2	<2	<2	<2	<2
4,6-Dinitro-2-methylphenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,4-Dinitrophenol	14	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,4-Dinitrotoluene	0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	0.5	<2	<2	<2	<2	<2	<2	<2	<2	<2
Di-n-octyl-phthalate	---	<2	<2	<2	<2	<2	<2	<2	<2	<2
Fluoranthene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Fluorene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Hexachlorobenzene	0.2	<2	<2	<2	<2	<2	<2	<2	<2	<2
Hexachlorocyclopentadiene	50	<2	<2	<2	<2	<2	<2	<2	<2J	<2J
Hexachloroethane	7	<2	<2	<2	---	---	<2	<2	<2	<2
Indeno(1,2,3-cd)pyrene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Isophorone	370	<2	<2	<2	---	---	<2	<2	<2	<2
2-Methylnaphthalene	---	<2	<2	<2	---	---	<2	<2	<2	<2
2-Methylphenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
3&4-Methylphenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2-Nitroaniline	---	<2	<2	<2	---	---	<2	<2	<2	<2
3-Nitroaniline	---	<2	<2	<2	---	---	<2	<2	<2	<2

Woodard & Curran
Summary of Lancaster Street Groundwater Results
E.Perry Site, Portland, Maine

	MEG	MW-11 05/03/05 Primary	MW-3 05/03/05 Primary	MW-3 05/03/05 Duplicate	MW-5 05/02/05 Primary	MW-6 05/02/05 Primary	MW-7 05/03/05 Primary	MW-8 05/02/05 Primary	MW-9 05/03/05 Primary	MW-9 05/03/05 Duplicate
4-Nitroaniline	---	<2	<2	<2	---	---	<2	<2	<2	<2
Nitrobenzene	3.5	<2	<2	<2	<2	<2	<2	<2	<2	<2
2-Nitrophenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
4-Nitrophenol	60	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
n-Nitrosodimethylamine	---	<2	<2	<2	---	---	<2	<2	<2	<2
n-Nitrosodiphenylamine	---	<2	<2	<2	---	---	<2	<2	<2	<2
n-Nitroso-di-propylamine	---	<2	<2	<2	---	---	<2	<2	<2	<2
Pentachlorophenol	3	<10J	<10J	<10J	<10	<10R	<10R	<10R	<10J	<10J
Phenanthrene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Phenol	4000	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
Pyrene	---	<2	<2	<2	---	---	<2	<2	<2	<2
Pyridine	---	<2	<2	<2	---	---	<2	<2	<2	<2
2,3,4,6-Tetrachlorophenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,4,5-Trichlorophenol	---	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
2,4,6-Trichlorophenol	32	<5J	<5	<5	<5	<5R	<5R	<5R	<5	<5
PCBs										
Aroclor 1016	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1221	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1232	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1242	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1248	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1254	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Aroclor 1260	---	<0.2	<0.2	<0.2	<0.2J	<0.2J	<0.2J	<0.2	<0.2	<0.2
Total PCBs	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dissolved Inorganic Analytes										
Aluminum	1430	<88.0	<88.0	<88.0	<88.0	<88.0	<88.0	<88.0	<88.0	<88.0
Antimony	3	<4.1	**[8.6]**	**[9.8]**	<4.1	<4.1	<4.1	<4.1	<4.1	<4.1
Arsenic	10	<4.5	<4.5	<4.5	**[12.6]**	**[98.4]**	<4.5	<4.5	<4.5	<4.5
Barium	2000	105	40.1	43	110	22.1	108	74.2	41.8	44.8
Beryllium	---	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Cadmium	3.5	1.2	1.3	1.4	<0.60	0.79	**[24.3]**	1	<0.60	<0.60
Calcium	---	116000	44800	42600	60400	286000	213000	102000	19400	20600
Chromium	40	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Cobalt	---	15.1	16.8	17.5	<2.7	13.6	39.3	22	<2.7	<2.7
Copper	1300	<2.6	<6.5U	<6.9U	<2.6	<2.6	<5.2U	<2.6	<8.6U	8.6
Iron	---	<37.9J	496J	452J	730	70800	<37.9J	1520J	<83.7UJ	<37.9J
Lead	10	<2.7J	<2.7J	<2.7J	<2.9	<2.9	3.4J	<2.7J	<2.7J	3.7J
Magnesium	---	14900	6200	5760	31700	50700	24800	16400	2320	2490
Manganese	500	**[1190]**	144	148	**[1250]**	**[1330]**	**[4160]**	**[1970]**	193	202
Mercury	2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	140	12.5	41.6	41.3	11.5	27.3	138	11.2	<3.0	<3.0
Potassium	---	17500	7460	6880	29400	43600	24000	16600	5360	5720
Selenium	35	7.6	6.7	8.8	<4.2	<4.2	4.8	<4.2	<4.2	<4.2
Silver	35	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Sodium	20000	**[209000]**	**[96500]**	**[94200]**	**[119000]**	**[262000]**	**[98500]**	**[133000]**	**[87300]**	**[86500]**
Thallium	0.5	<8.5	<8.5	<8.5	<6.4	<6.4	<8.5	<8.5	<8.5	<8.5
Vanadium	---	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7
Zinc	2000	354J	623J	655J	195	704	**[26000]J**	295J	61.0J	40.4J

Units in micrograms per liter (ug/l)
MEG = Maximum Exposure Guideline
< = not detected at reporting limit
[ ] = above criteria
J = estimated
R = rejected
U = revised to nondetect
- = not analyzed or not available

Woodard & Curran
Summary of Somerset Street Groundwater Results
E.Perry Site, Portland, Maine

	MEG	MW-A MW-A 5/2/2005	MW-B MW-B 5/2/2005	MW-C MW-C 5/2/2005	MW-D MW-D 5/2/2005	MW-E MW-E 4/29/2005
Volatile Organic Compounds						
Acetone	700	<10	<10	13	<10	28
Benzene	12	<2	<2	<2	<2	[28]
Bromobenzene	---	<2	<2	<2	<2	<2
Bromochloromethane	10	<2	<2	<2	<2	<2
Bromodichloromethane	6	<2	<2	<2	<2	<2
Bromoform	44	<2	<2	<2	<2	<2
Bromomethane	10	<2	<2	<2	<2	<2
tert-Butyl alcohol	---	<20	<20	<20	<20	15J
n-Butylbenzene	---	<2	<2	<2	<2	<2
sec-Butylbenzene	---	<2	<2	<2	<2	<2
tert-Butylbenzene	---	<2	<2	<2	<2	<2
Carbon disulfide	---	<2	<2	<2	<2	<2J
Carbon tetrachloride	3	<2	<2	<2	<2	<2
Chlorobenzene	---	<2	<2	<2	<2	<2
Chloroethane	---	<2	<2	<2	<2	<2J
Chloroform	57	<2	<2	<2	<2	<2
Chloromethane	3	<2	<2	<2	<2	<2J
2-Chlorotoluene	140	<2	<2	<2	<2	<2
4-Chlorotoluene	140	<2	<2	<2	<2	<2
1,2-Dibromo-3-chloropropane	0.25	<2	<2	<2	<2	<2
Dibromochloromethane	4	<2	<2	<2	<2	<2
1,2-Dibromoethane	0.004	<2	<2	<2	<2	<2
Dibromomethane	---	<2	<2	<2	<2	<2
1,2-Dichlorobenzene	63	<2	<2	<2	<2	<2
1,3-Dichlorobenzene	60	<2	<2	<2	<2	<2
1,4-Dichlorobenzene	21	<2	<2	<2	<2	<2
Dichlorodifluoromethane	1400	<2	<2	<2	<2	<2
1,1-Dichloroethane	70	<2	<2	<2	<2	<2
1,2-Dichloroethane	4	<2	<2	<2	<2	<2
1,1-Dichloroethene	0.6	<2	<2	<2	<2	<2J
cis-1,2-Dichloroethene	70	<2	<2	<2	<2	<2
trans-1,2-Dichloroethene	140	<2	<2	<2	<2	<2
1,2-Dichloropropane	5	<2	<2	<2	<2	<2
1,3-Dichloropropane	---	<2	<2	<2	<2	<2
2,2-Dichloropropane	---	<2	<2	<2	<2	<2
1,1-Dichloropropene	---	<2	<2	<2	<2	<2
cis-1,3-Dichloropropene	---	<2	<2	<2	<2	<2
trans-1,3-Dichloropropene	---	<2	<2	<2	<2	<2
Diethyl ether	---	<2J	<2J	<2J	<2J	<2J
Ethyl t-butyl ether	---	<2	<2	<2	<2	<2
Ethylbenzene	70	<2	<2	<2	<2	1J
Hexachlorobutadiene	4	<2	<2	<2	<2	<2J
2-Hexanone	---	<10	<10	<10	<10	<10
Isopropylbenzene	---	<2	<2	<2	<2	<2
di-Isopropylether	---	<2	<2	<2	<2	<2
p-Isopropyltoluene	70	<2	<2	<2	<2	<2
Methyl ethyl ketone	1440	<10J	<10J	<10J	<10J	8J
Methyl isobutyl ketone	---	<10	<10	<10	<10	<10
Methyl tert-butyl ether	35	<2	<2	2	<2	[97]
Methylene chloride	47	<5	<5	<5	<5	<5
Naphthalene	14	<2	<2	<2	<2	<2
n-Propylbenzene	---	<2	<2	<2	<2	<2
Styrene	140	<2	<2	<2	<2	<2
Tert-amyl methyl ether	---	<2	<2	<2	<2	11
1,1,1,2-Tetrachloroethane	13	<2	<2	<2	<2	<2
1,1,2,2-Tetrachloroethane	1.8	<2	<2	<2	<2	<2
Tetrachloroethene	7	<2	<2	<2	<2	<2
Tetrahydrofuran	70	<5	<5	<5	<5	<5
Toluene	1400	<2	<2	<2	<2	<2
1,2,3-Trichlorobenzene	---	<2	<2	<2	<2	<2
1,2,4-Trichlorobenzene	70	<2	<2	<2	<2J	<2
1,1,1-Trichloroethane	200	<2	<2	<2	<2	<2
1,1,2-Trichloroethane	6	<2	<2	<2	<2	<2
Trichloroethene	32	<2	<2	<2	<2	<2
Trichlorofluoromethane	2000	<2	<2	<2	<2	<2
1,2,3-Trichloropropane	0.05	<2	<2	<2	<2	<2

Woodard & Curran
Summary of Somerset Street Groundwater Results
E.Perry Site, Portland, Maine

		MW-A	MW-B	MW-C	MW-D	MW-E
		MW-A	MW-B	MW-C	MW-D	MW-E
	MEG	5/2/2005	5/2/2005	5/2/2005	5/2/2005	4/29/2005
1,2,4-Trimethylbenzene	---	<2J	<2	<2	<2	4
1,3,5-Trimethylbenzene	---	<2	<2	<2	<2	<2
Vinyl chloride	0.2	<2	<2	<2	<2	<2
m&p-Xylene	---	<2	<2	<2	<2	10
o-Xylene	---	<2	<2	<2	<2	<2
Total Xylenes	14000	ND	ND	ND	ND	10
Semi-Volatile Organic Compounds						
3-Nitroaniline	---	---	---	---	---	<2
Acenaphthene	---	<2	<2	<2	<2	<2
Acenaphthylene	---	<2	<2	<2	<2	<2
Aniline	---	---	---	---	---	<2
Anthracene	---	<2	<2	<2	<2	<2
Azobenzene	---	<2	<2	<2	<2	<2
Benzidine	---	<20J	<20J	<20J	<20J	<20R
Benzo(a)anthracene	---	<2	<2	<2	<2	<2
Benzo(a)pyrene	0.05	<2	<2	<2	<2	<2
Benzo(b)fluoranthene	---	<2	<2	<2	<2	<2
Benzo(g,h,i)perylene	---	---	---	---	---	<2
Benzo(k)fluoranthene	---	<2	<2	<2	<2	<2
Benzoic acid	---	<10	<10	<10	<10J	<10J
Benzyl alcohol	---	<5	<5	<5	<5J	<5J
bis(2-Chloroethoxy)methane	---	<2	<2	<2	<2	<2
bis(2-Chloroethyl) ether	0.3	<2	<2	<2	<2	<2
bis(2-Chloroisopropyl)ether	300	<2	<2	<2	<2	<2
bis(2-Ethylhexyl) phthalate	---	<2	<2	6	<2	<2
4-Bromophenyl phenyl ether	---	<2	<2	<2	<2	<2
Butylbenzyl phthalate	---	<2	<2	<2	<2	<2
Carbazole	---	---	---	---	---	<2
4-Chloro-3-methylphenol	---	<10	<10	<10	<10J	<10J
4-Chloroaniline	---	---	---	---	---	<2
2-Chloronaphthalene	---	---	---	---	---	<2
2-Chlorophenol	35	<5	<5	<5	<5J	<5J
4-Chlorophenyl phenyl ether	---	<2	<2	<2	<2	<2
Chrysene	---	---	---	---	---	<2
Dibenzo(a,h)anthracene	---	---	---	---	---	<2
Dibenzofuran	---	---	---	---	---	<2
3,3'-Dichlorobenzidine	---	<20	<20	<20	<20	<20
2,4-Dichlorophenol	21	<5	<5	<5	<5J	<5J
2,6-Dichlorophenol	---	<5	<5	<5	<5J	<5J
Diethyl phthalate	5000	<2	<2	<2	<2	<2
Dimethyl phthalate	---	<2J	<2J	<2J	<2J	<2J
2,4-Dimethylphenol	---	<5	<5	<5	<5J	<5J
Di-n-butyl phthalate	700	<2	<2	<2	<2	<2
4,6-Dinitro-2-methylphenol	---	<5	<5	<5	<5J	<5J
2,4-Dinitrophenol	14	<5	<5	<5	<5J	<5J
2,4-Dinitrotoluene	0.5	<2	<2	<2	<2	<2
2,6-Dinitrotoluene	0.5	<2	<2	<2	<2	<2
Di-n-octyl-phthalate	---	<2	<2	<2	<2	<2
Fluoranthene	---	---	---	---	---	<2
Fluorene	---	---	---	---	---	<2
Hexachlorobenzene	0.2	<2	<2	<2	<2	<2
Hexachlorocyclopentadiene	50	<2	<2	<2	<2	<2
Hexachloroethane	7	---	---	---	---	<2
Indeno(1,2,3-cd)pyrene	---	---	---	---	---	<2
Isophorone	370	---	---	---	---	<2
2-Methylnaphthalene	---	---	---	---	---	<2
2-Methylphenol	---	<5	<5	<5	<5J	<5J
3&4-Methylphenol	---	<5	<5	<5	<5J	<5J
2-Nitroaniline	---	---	---	---	---	<2
4-Nitroaniline	---	---	---	---	---	<2
Nitrobenzene	3.5	<2	<2	<2	<2	<2
2-Nitrophenol	---	<5	<5	<5	<5J	<5J
4-Nitrophenol	60	<5	<5	<5	<5J	<5J
n-Nitrosodimethylamine	---	---	---	---	---	<2
n-Nitrosodiphenylamine	---	---	---	---	---	<2
n-Nitroso-di-propylamine	---	---	---	---	---	<2
Pentachlorophenol	3	<10	<10	<10	<10J	<10J

Woodard & Curran
Summary of Somerset Street Groundwater Results
E.Perry Site, Portland, Maine

	MEG	MW-A MW-A 5/2/2005	MW-B MW-B 5/2/2005	MW-C MW-C 5/2/2005	MW-D MW-D 5/2/2005	MW-E MW-E 4/29/2005
Phenanthrene	---	---	---	---	---	<2
Phenol	4000	<5	<5	<5	<5J	<5J
Pyrene	---	---	---	---	---	<2
Pyridine	---	---	---	---	---	<2
2,3,4,6-Tetrachlorophenol	---	<5	<5	<5	<5J	<5J
2,4,5-Trichlorophenol	---	<5	<5	<5	<5J	<5J
2,4,6-Trichlorophenol	32	<5	<5	<5	<5J	<5J
PCBs						
Aroclor 1016	---	<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1221	---	<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1232	---	<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1242	---	<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1248	---	<0.2	<0.2	<0.2J	<0.2	<0.2
Aroclor 1254	---	<0.2	0.23	<0.2J	<0.2	<0.2
Aroclor 1260	---	<0.2J	<0.2J	<0.2J	<0.2J	<0.2J
Total PCBs	0.5	ND	0.23	ND	ND	ND
Dissolved Inorganic Analytes						
Aluminum	1430	<88.0	<88.0	<88.0	<88.0	192
Antimony	3	**[6.6]B**	<4.1	<4.1	<4.1	<8.3
Arsenic	10	<4.2	<4.2	<4.2	<4.2	<4.5
Barium	2000	72.1B	196B	45.4B	109	175
Beryllium	---	<0.29U	<0.20	<0.20	<0.20	<0.30
Cadmium	3.5	1.8B	2.2B	<0.60	<0.60	<0.80
Calcium	---	82200	65700	60100	82900	52100
Chromium	40	<1.2	<1.2	<1.2	<1.2	<2.5
Cobalt	---	3.8B	<2.7	<2.7	<2.7	<3.7
Copper	1300	9.7B	3.9B	3.5B	<2.6	<4.2
Iron	---	87.5B	38.9B	<37.9	2060	29800
Lead	10	<2.9	3.2	<2.9	<2.9	7.6
Magnesium	---	17000	7880	86900	18300	10800
Manganese	500	**[513]**	396	**[785]**	**[1570]**	**[1320]**
Mercury	2	<0.10	<0.10	<0.10	<0.10	<0.10
Nickel	140	19.6B	10.7B	11.0B	5.7	6.8
Potassium	---	9510	2860B	72600	21600	17100
Selenium	35	<4.2	<4.2	<4.2	<4.2	<3.8
Silver	35	<1.8	<1.8	<1.8	<1.8	<3.7
Sodium	20000	**[27500]**	**[27900]**	**[1010000]**	**[92700]**	**[134000]**
Thallium	0.5	<6.4	<6.4	<6.4	<6.4	<8.5
Vanadium	---	<2.7	<2.7	<2.7	<2.7	<4.3
Zinc	2000	631	475	35.2	87.9	58.9

Units in micrograms per liter (ug/l)
MEG = Maximum Exposure Guideline
< = not detected at reporting limit
[ ] = above criteria
B or J = estimated
R = rejected
U = revised to nondetect
--- = not analyzed or not available

ACADIA
ENVIRONMENTAL TECHNOLOGY

April 7, 2008

Rick Knowland
Senior Planner
Portland Maine, Planning & Development Department
389 Congress Street
Portland, Maine 04101

Re: Revision to Groundwater Monitoring Work Plan
E. Perry Iron & Metal Co.
Portland, Maine

Dear Mr. Knowland:

This letter is in response to the comments of Tewhey Associates dated March 20, 2008 regarding the Groundwater Monitoring Plan prepared by Acadia Environmental Technology (Acadia) dated February 29, 2008 for groundwater monitoring at the E. Perry Iron & Metal Co. (E. Perry) scrap metal facility in the Bayside area of Portland, Maine. E. Perry searched for and found MW-7 at their Lancaster Street facility. Acadia inspected the well. It appears to be in good condition. We will include it in the groundwater monitoring for the Lancaster Street property. It will replace MW-6.

The Groundwater Monitoring Work Plan dated February 29, 2008 is therefore modified to include MW-3, MW-5 and MW-7 at the Lancaster Street property. There are no changes to the Somerset Street part of the plan.

We will proceed with the annual monitoring requirement at these locations.

Sincerely,

Martha N. Mixon, CG
Senior Geologist

Mark Arienti
Senior Environmental Engineer

cc: John Tewhey, Tewhey Associates
Alan Lerman, E. Perry Iron & Metal Co.
David Hirshon, Tomkins, Clough, Hirshon & Langer, P.A.

Appendix C: Laboratory Report

Groundwater Monitoring, April 2008
Scrap Metal Recycling Facilities Permit
Chapter 31, Portland City Code §31-1 et. Seq.
E. Perry Iron & Metal Co.
Portland, Maine

Prepared for:

E. Perry Iron & Metal Co.
115 Lancaster Street
Portland, Maine 04101

Prepared by:

Acadia Environmental Technology
48 Free Street
Portland, Maine 04101

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

May 7, 2008

Ms. Martha Mixon
Acadia Environmental Technology
48 Free Street
Portland,ME 04101

RE: Katahdin Lab Number: SB1961
Project ID: 099-003
Project Manager: Mrs. Andrea Colby
Sample Receipt Date(s): April 17, 2008

Dear Ms. Mixon:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Chromatograms
* Quality Control Data Summary
* Chain of Custody (COC)
* Login Report

A copy of the Chain of Custody is included in the paginated report. The original COC is attached as an addendum to this report.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact the project manager listed above. This cover letter is an integral part of the ROA.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Sincerely,

KATAHDIN ANALYTICAL SERVICES

Deborah J. Nadeau
Authorized Signature

05/07/2008
Date

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

May 7, 2008

Ms. Martha Mixon
Acadia Environmental Technology
48 Free Street
Portland,ME 04101

RE: Katahdin Lab Number: SB1961
Project ID: 099-003
Project Manager: Mrs. Andrea Colby
Sample Receipt Date(s): April 17, 2008

Dear Ms. Mixon:

Please find enclosed the following information:

* Report of Analysis (Analytical and/or Field)
* Chromatograms
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We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in an attached technical narrative or in the Report of Analysis.

We appreciate your continued use of our laboratory and look forward to working with you in the future. The following signature indicates technical review and acceptance of the data.

Sincerely,

KATAHDIN ANALYTICAL SERVICES

Deborah J. Nadeau
Authorized Signature

05/07/2008
Date

TECHNICAL NARRATIVE

Organics Analysis

The samples of Work Order SB1961 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846 , 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

8082 Analysis

Samples SB1961-2 and 6 and the method blank, WG50539-1, had high recoveries for DCB, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were acceptable, the samples were not reextracted.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. The LCS report consists of the full list of spiked analytes, but only the client's list of target analytes are evaluated. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is to take corrective action only if the number of spiked analytes in the LCS that are outside of the QC limits is greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long as the LCS is acceptable.

There were no recoveries for the spiked analyte benzoic acid in the LCS WG50612-2 and the LCSD WG50612-4. According to the DoD QSM section D.5, this compound is identified as a poor performing analyte for this method. This compound produces a low mean recovery and a high standard deviation, resulting in wide LCS control limits. The DoD does not feel it is appropriate to control batch acceptance

on this compound because there is a high level of uncertainty in its recovery. Therefore, no further action was taken.

There was no recovery for the spiked analyte benzidine in the LCS WG50612-2. This may be due to oxidative loss of this analyte during solvent concentration as mentioned in SW-846 method 8270C section 1.4.1.

Samples SB1961-2, 3, 5, 6 and 7 had low recoveries for one or more acid surrogates, which were outside the laboratory established acceptance limits. The client was notified and informed the laboratory to proceed with narration.

There were no other protocol deviations or observations noted by the organics laboratory staff.

on this compound because there is a high level of uncertainty in its recovery. Therefore, no further action was taken.

There was no recovery for the spiked analyte benzidine in the LCS WG50612-2. This may be due to oxidative loss of this analyte during solvent concentration as mentioned in SW-846 method 8270C section 1.4.1.

Samples SB1961-2, 3, 5, 6 and 7 had low recoveries for one or more acid surrogates, which were outside the laboratory established acceptance limits. The client was notified and informed the laboratory to proceed with narration.

There were no other protocol deviations or observations noted by the organics laboratory staff.

KATAHDIN ANALYTICAL SERVICES - ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for but not detected above the laboratory Practical Quantitation Limit.

* Compound recovery outside of quality control limits.

D Indicates the result was obtained from analysis of a diluted sample. Surrogate recoveries may not be calculable.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).

or

J Used for Pesticide/Aroclor analyte when there is a greater than 40% difference for detected concentrations between the two GC columns.

B Indicates the analyte was detected in the laboratory method blank analyzed concurrently with the sample.

N Presumptive evidence of a compound based on a mass spectral library search.

A Indicates that a tentatively identified compound is a suspected aldol-condensation product.

P Used for Pesticide/Aroclor analyte when there is a greater than 25% difference for detected concentrations between the two GC columns. (for CLP methods only).

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected in the sample at a level greater than the instrument detection limit.
B	The analyte was detected in the sample at a concentration greater than the instrument detection limit, but less than the laboratory's Practical Quantitation Level.

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected in the sample at a level greater than the instrument detection limit.
B	The analyte was detected in the sample at a concentration greater than the instrument detection limit, but less than the laboratory's Practical Quantitation Level.

Katahdin Analytical Services, Inc.

Manual Integration Codes For GC/MS, GC, HPLC and/or IC

M1	Peak splitting
M2	Well defined peaks on the shoulders of the other peaks.
M3	There is additional area due to a coeluting interferant
M4	There are negative spikes in the baseline.
M5	There are rising or falling baselines.
M6	The software has failed to detect a peak or misidentified a peak.
M7	Excessive peak tailing.
M8	Analysis such as GRO, DRO and TPH require a baseline hold
M9	Peak was not completely integrated as in GC/MS.
M10	Primary ion was correctly integrated, but secondary or tertiary ion needed manual integration as in GC/MS.
M11	For GC analysis, when a sample is diluted by 1:10 or more, the surrogate is set to undetected and then the area under the surrogate is manually integrated.

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:10
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	J	4	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:10
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	J	4	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:10
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.5
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
108-86-1	Bromobenzene	U	1	1.0	1	1	0.4
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.4
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.4
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.4
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.4
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.4
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.5
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.4
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.7
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		106%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 16:38
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 16:38
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 16:38
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5
122-66-7	1,2-Diphenylhydrazine	U	20	1.0	20	20	6
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
92-87-5	Benzidine	U	50	1.0	50	50	8
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		36%				
13127-88-3	Phenol-D6		22%				
4165-60-0	Nitrobenzene-D5		64%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		81%				
1718-51-0	Terphenyl-D14		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/21/08
Analysis Date: 24-APR-2008 23:43
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 8082
Lab Prep Batch: WG50539
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		75%				
2051-24-3	Decachlorobiphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/21/08
Analysis Date: 24-APR-2008 23:43
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 8082
Lab Prep Batch: WG50539
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		75%				
2051-24-3	Decachlorobiphenyl		83%				

Data File: \\target_server\GG\chem\gc06.i\GC06BD23A1.b\6BD3253.d
Report Date: 25-Apr-2008 11:09

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc06.i\GC06BD23A1.b\6BD3253.d
Lab Smp Id: SB1961-1 Client Smp ID: MW-A
Inj Date : 24-APR-2008 23:43
Operator : SJC Inst ID: gc06.i
Smp Info : PCBA091A.M,GC06BD23A1.B,1,SB1961-1
Misc Info : SW846 8082
Comment :
Method : \\TARGET_SERVER\GG\chem\gc06.i\GC06BD23A1.B\PCBA091A.m
Meth Date : 25-Apr-2008 11:06 scolby Quant Type: ESTD
Cal Date : 21-APR-2008 15:06 Cal File: 6BD3165.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: TARGET02

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Volume of final extract (L)
Vo	1.060	Volume of sample extracted (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.700	4.713	-0.013	109988	0.07463	0.704			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
17.513	17.513	0.000	89218	0.08342	0.787		(M)	M5

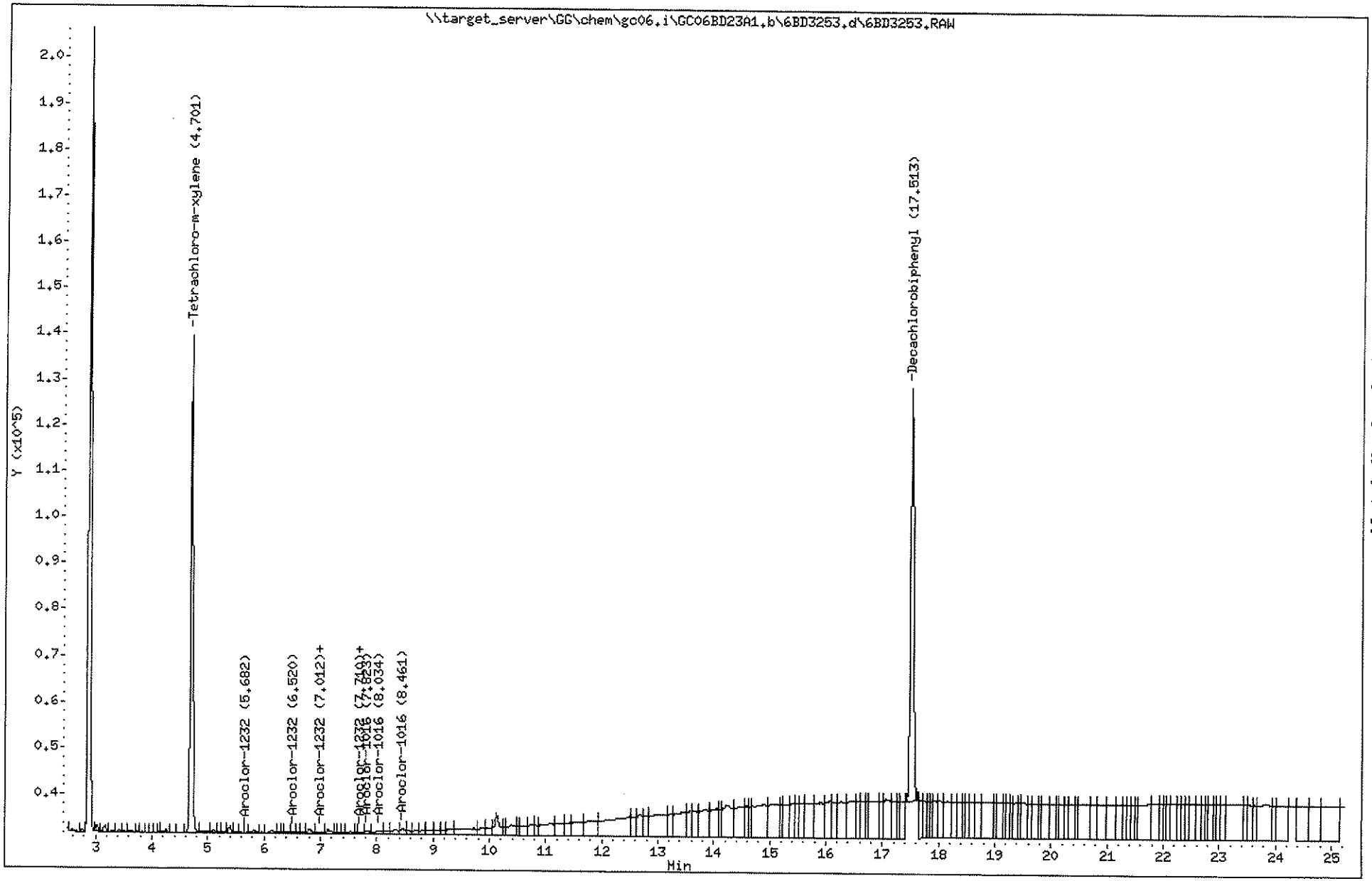
SK 4/28/08

QC Flag Legend

M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc06.i\GC06BD23A1.b\6BD3253.d
Date : 24-APR-2008 23:43
Client ID: MW-A
Sample Info: PCBA091A,M,GC06BD23A1,B,1,SB1961-1
Purge Volume: 1.1
Column phase: ZB-Multiresidue-1

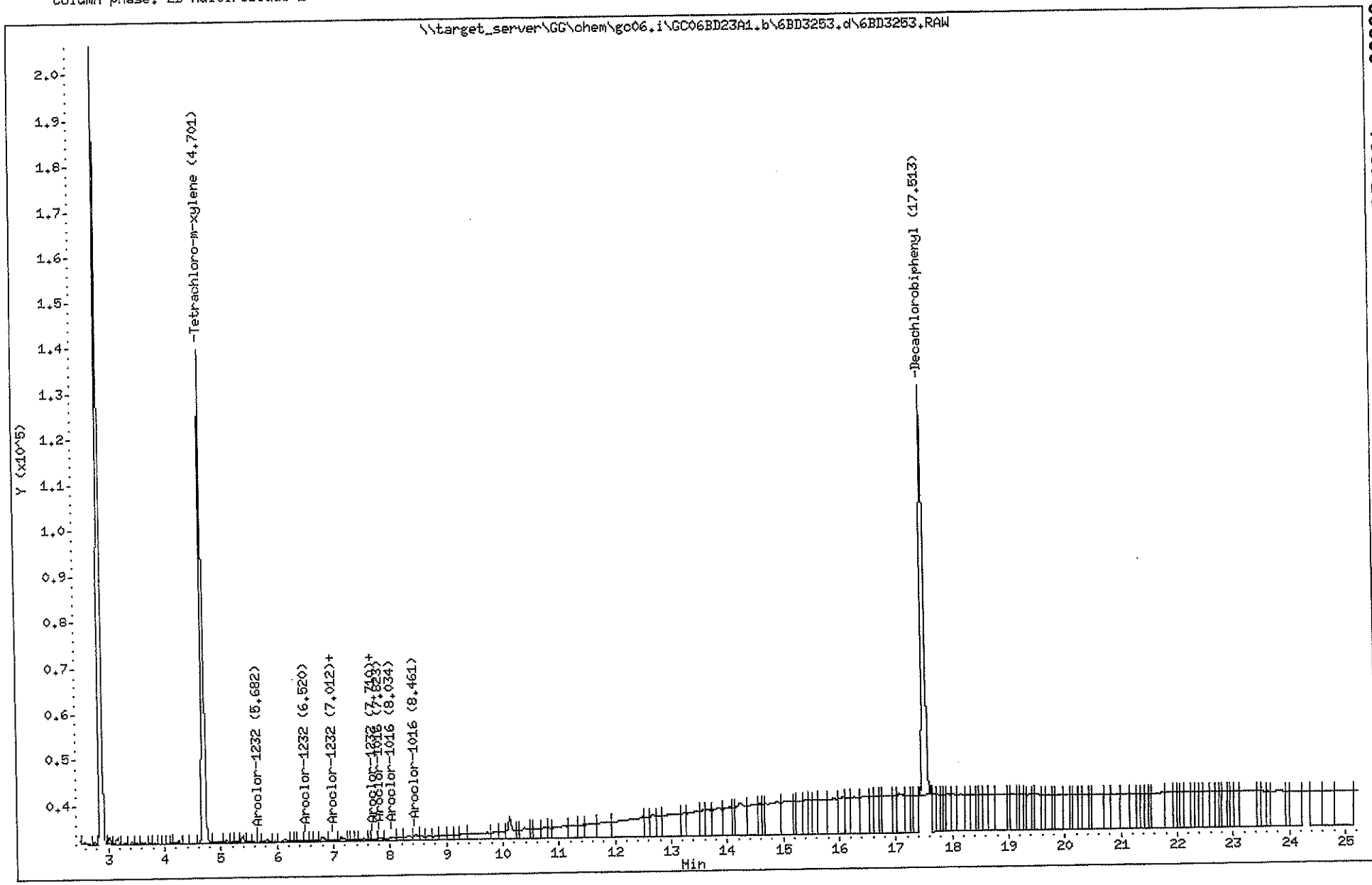
Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GC\chem\gc06.i\GC06BD23A1.b\6BD3253.d
Date : 24-APR-2008 23:43
Client ID: MW-A
Sample Info: PCBA091A.M,GC06BD23A1.B,1,SB1961-1
Purge Volume: 1.1
Column phase: ZB-Multiresidue-1

Instrument: gc06.i

Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc06.i\GC06BD23B1.b\6BD4253.d
Report Date: 25-Apr-2008 11:09

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc06.i\GC06BD23B1.b\6BD4253.d
Lab Smp Id: SB1961-1 Client Smp ID: MW-A
Inj Date : 24-APR-2008 23:43
Operator : SJC Inst ID: gc06.i
Smp Info : PCBB091A.M,GC06BD23A1.B,1,SB1961-1
Misc Info : SW846 8082
Comment :
Method : \\target_server\GG\chem\gc06.i\GC06BD23B1.b\PCBB091A.m
Meth Date : 25-Apr-2008 09:31 scolby Quant Type: ESTD
Cal Date : 02-APR-2008 15:04 Cal File: 6BD2054.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: TARGET02

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Volume of final extract (L)
Vo	1.060	Volume of sample extracted (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.212	5.245	-0.033	96086	0.06797	0.641			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
18.340	18.393	-0.053	71687	0.07700	0.726		(M)	M5

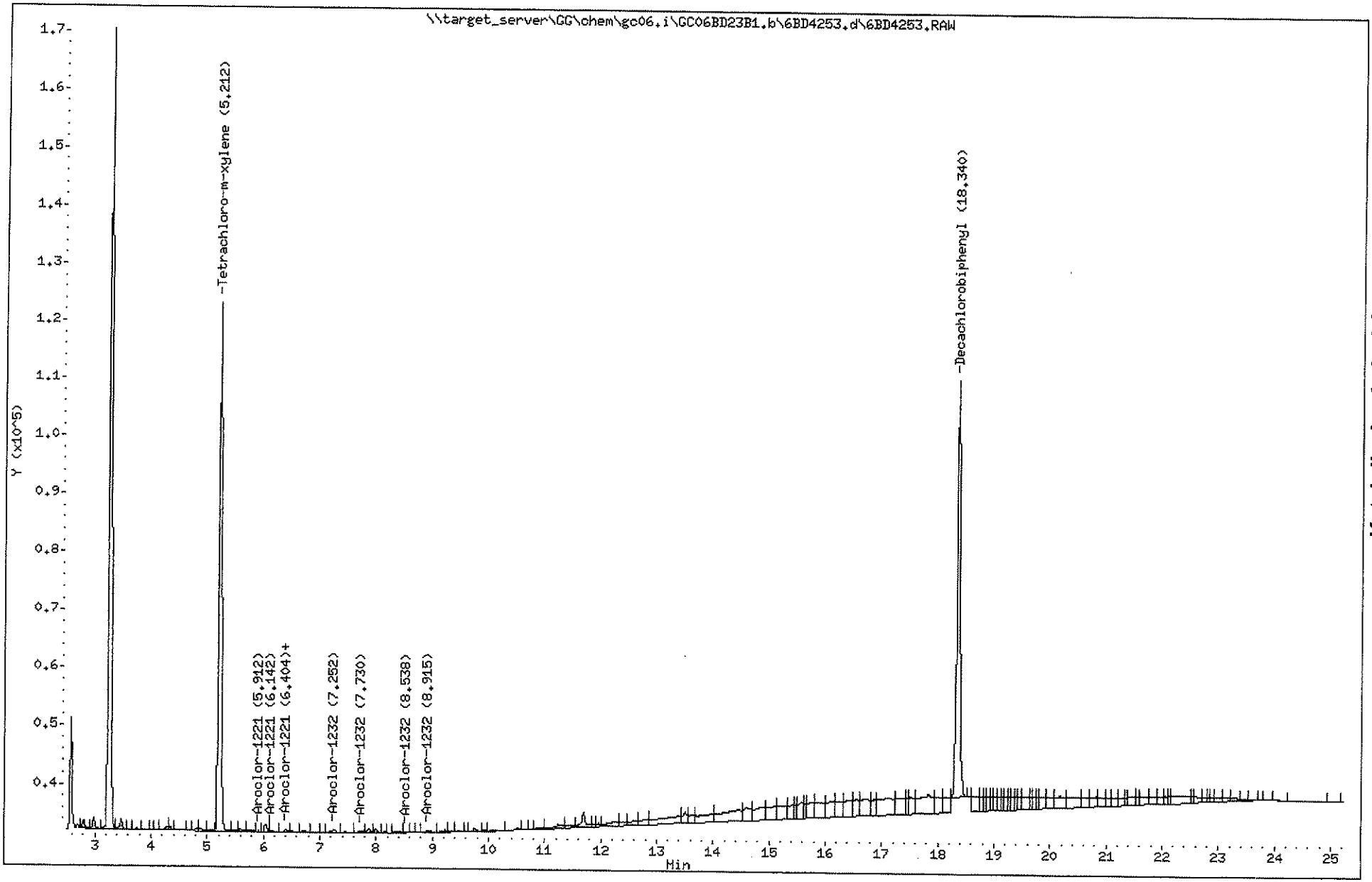
SK 4/25/08

QC Flag Legend

M - Compound response manually integrated.

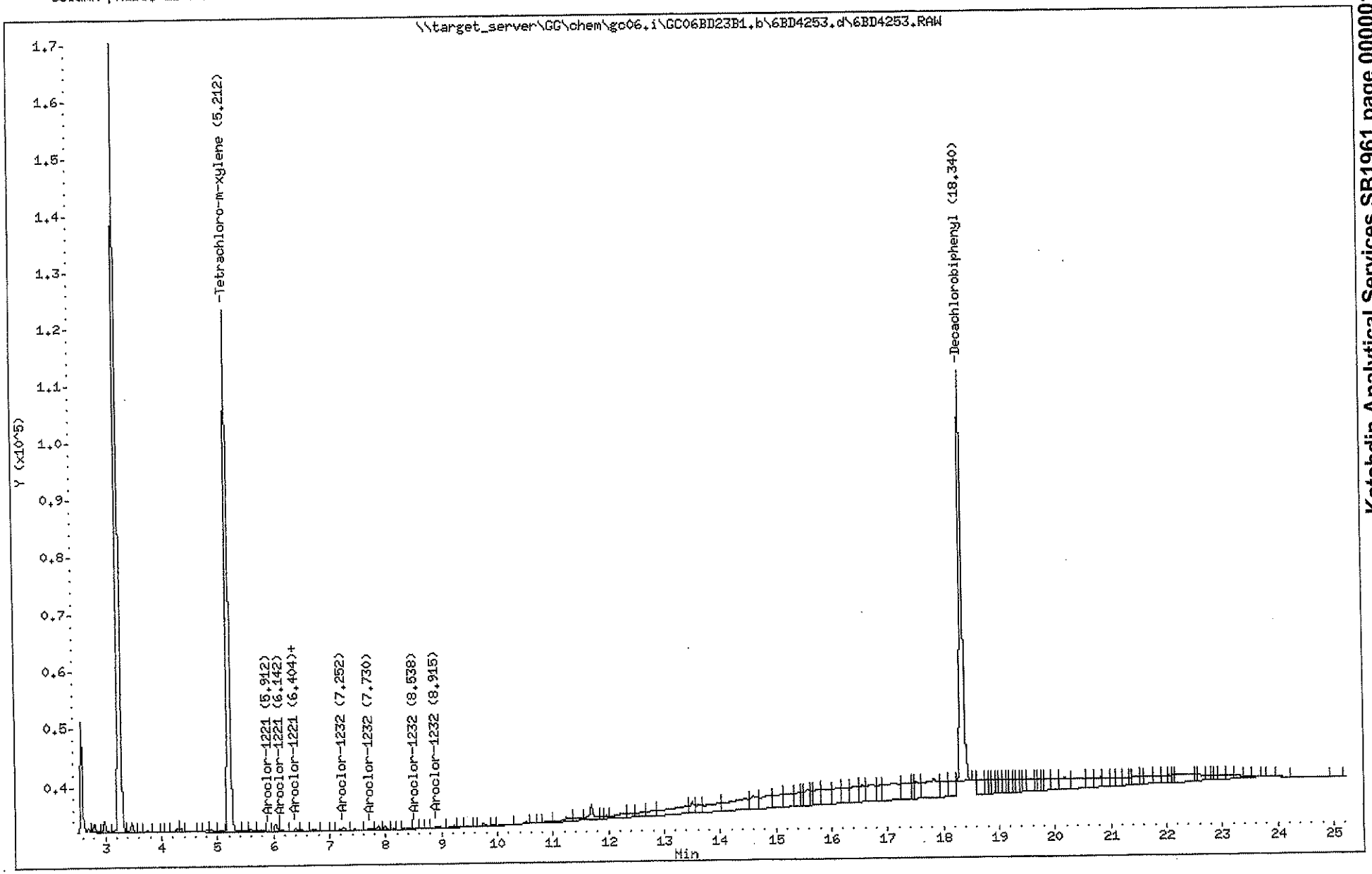
Data File: \\target_server\GC\chem\gc06.i\GC06BD23B1.b\6BD4253.d
Date : 24-APR-2008 23:43
Client ID: MW-A
Sample Info: PCBB091A,M,GC06BD23A1,B,1,SB1961-1
Purge Volume: 1.1
Column phase: ZB-Multiresidue-2

Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc06.i\GC06BD23B1.b\6BD4253.d
Date : 24-APR-2008 23:43
Client ID: MW-A
Sample Info: PCBB091A.M,GC06BD23A1.B,1,SB1961-1
Purge Volume: 1.1
Column phase: ZB-Multiresidue-2

Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/22/08
Analysis Date: 25-APR-2008 16:00
Report Date: 04/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: MEDEP 4.1.25
Lab Prep Batch: WG50565
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Diesel Range Organics		1000	1.0	50	50	32
	O-Terphenyl		84%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3093.d
Report Date: 29-Apr-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3093.d
Lab Smp Id: SB1961-1 Client Smp ID: MW-A
Inj Date : 25-APR-2008 16:00
Operator : KGT Inst ID: gc10.i
Smp Info : DROA021A.M,GC10BD25A1.B,1,SB1961-1
Misc Info : MEDEP 4.1.25
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD25A1.B\DROA021A.m
Meth Date : 28-Apr-2008 08:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^1^25.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3087.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	9 O-Terphenyl	12.560	12.559	0.001	124578	16.8869	15.9 (aM)	M5
S	7 Diesel Range Organics	5.144-17.856			7229500	1103.80	1040 (M)	

KGT 04/29/08

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3093.d
Report Date: 29-Apr-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3093.d
Lab Smp Id: SB1961-1 Client Smp ID: MW-A
Inj Date : 25-APR-2008 16:00
Operator : KGT Inst ID: gc10.i
Smp Info : DROA021A.M,GC10BD25A1.B,1,SB1961-1
Misc Info : MEDEP 4.1.25
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD25A1.B\DROA021A.m
Meth Date : 28-Apr-2008 08:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^1^25.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3087.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	9 O-Terphenyl	12.560	12.559	0.001	124578	16.8869	15.9(aM)	M5
S	7 Diesel Range Organics	5.144-17.856			7229500	1103.80	1040(M)	

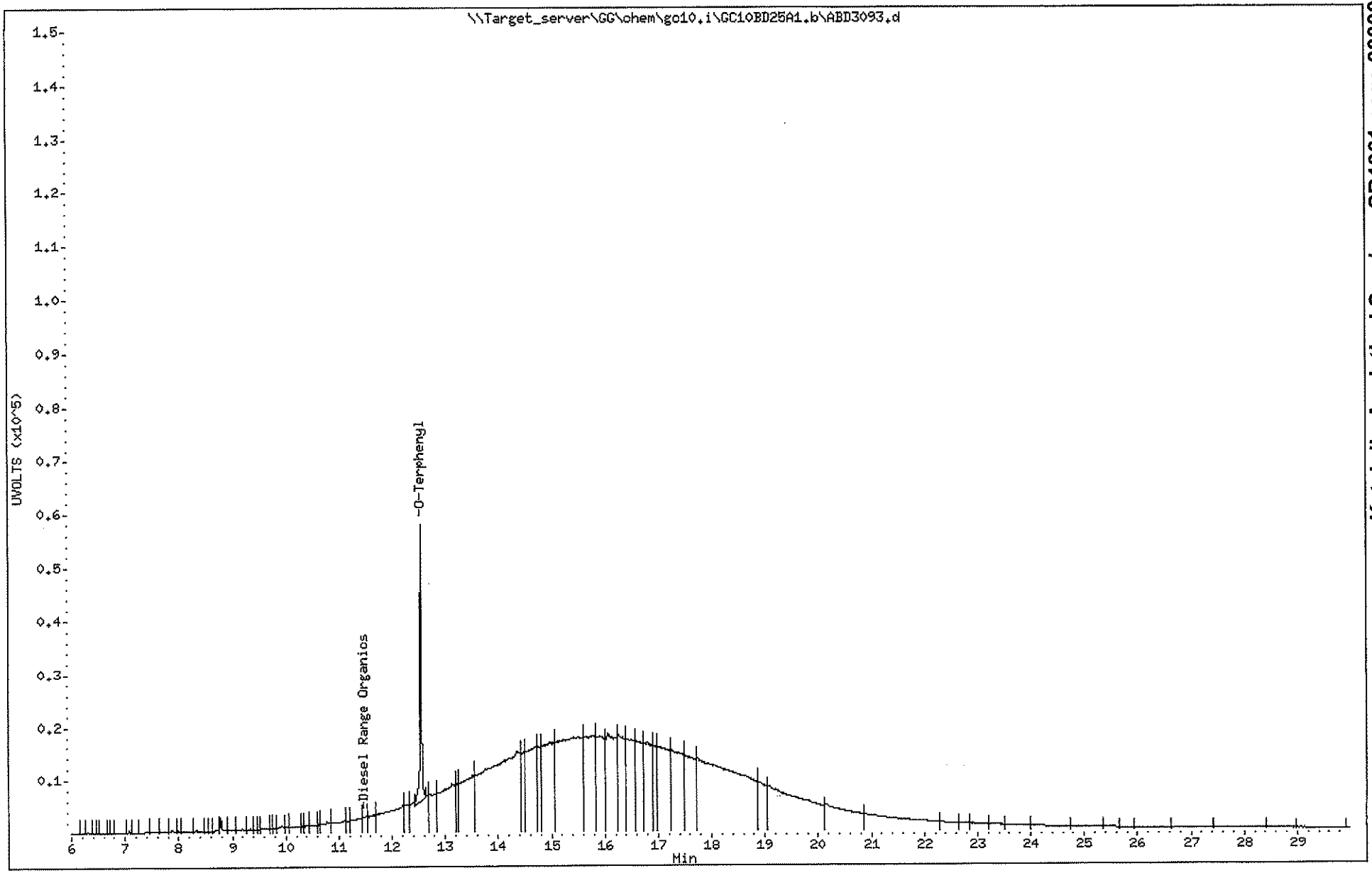
KGT 042908

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GC\chem\gc10.i\GC10BD25A1.b\ABD3093.d
Date : 25-APR-2008 16:00
Client ID: MW-A
Sample Info: DROA021A.M,GC10BD25A1.B,1,SB1961-1
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 23-APR-2008 18:17
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030B
Analyst: EKC
Analysis Method: MEDEP 4.2.17
Lab Prep Batch: WG50560
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Gasoline Range Organics	U	10	1.0	10	10	6.6
460-00-4	4-Bromofluorobenzene		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 23-APR-2008 18:17
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-1
Client ID: MW-A
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030B
Analyst: EKC
Analysis Method: MEDEP 4.2.17
Lab Prep Batch: WG50560
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Gasoline Range Organics	U	10	1.0	10	10	6.6
460-00-4	4-Bromofluorobenzene		92%				

Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2073.d
Report Date: 24-Apr-2008 10:16

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2073.d
Lab Smp Id: SB1961-1 Client Smp ID: MW-A
Inj Date : 23-APR-2008 18:17
Operator : EKC Inst ID: gc04.i
Smp Info : GROB034A.M,GC04BD23B1.B,1,SB1961-1
Misc Info : MEDEP 4.2.17
Comment : MEDEP 4.2.17
Method : \\TARGET_SERVER\GG\chem\gc04.i\GC04BD23B1.B\GROB034A.m
Meth Date : 24-Apr-2008 09:22 ecyr Quant Type: ESTD
Cal Date : 16-JAN-2008 15:31 Cal File: 4BA2028.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^2^17.sub
Target Version: 4.12
Processing Host: TARGET02

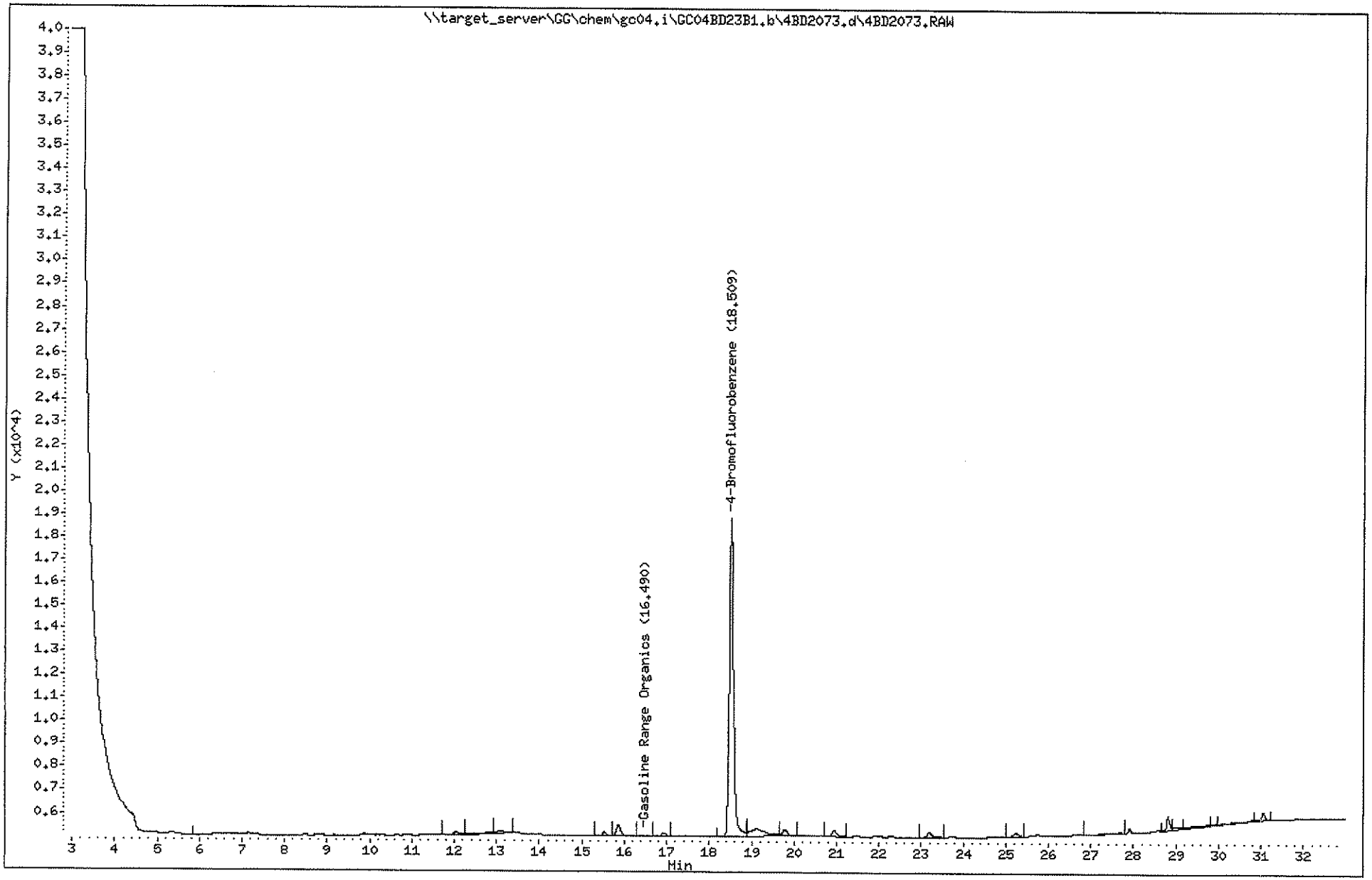
Concentration Formula: Amt * DF * 0.005/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.00500	Sample Volume purged (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 10 4-Bromofluorobenzene	18.508	18.587	-0.079	93539	18.3914	18.4	

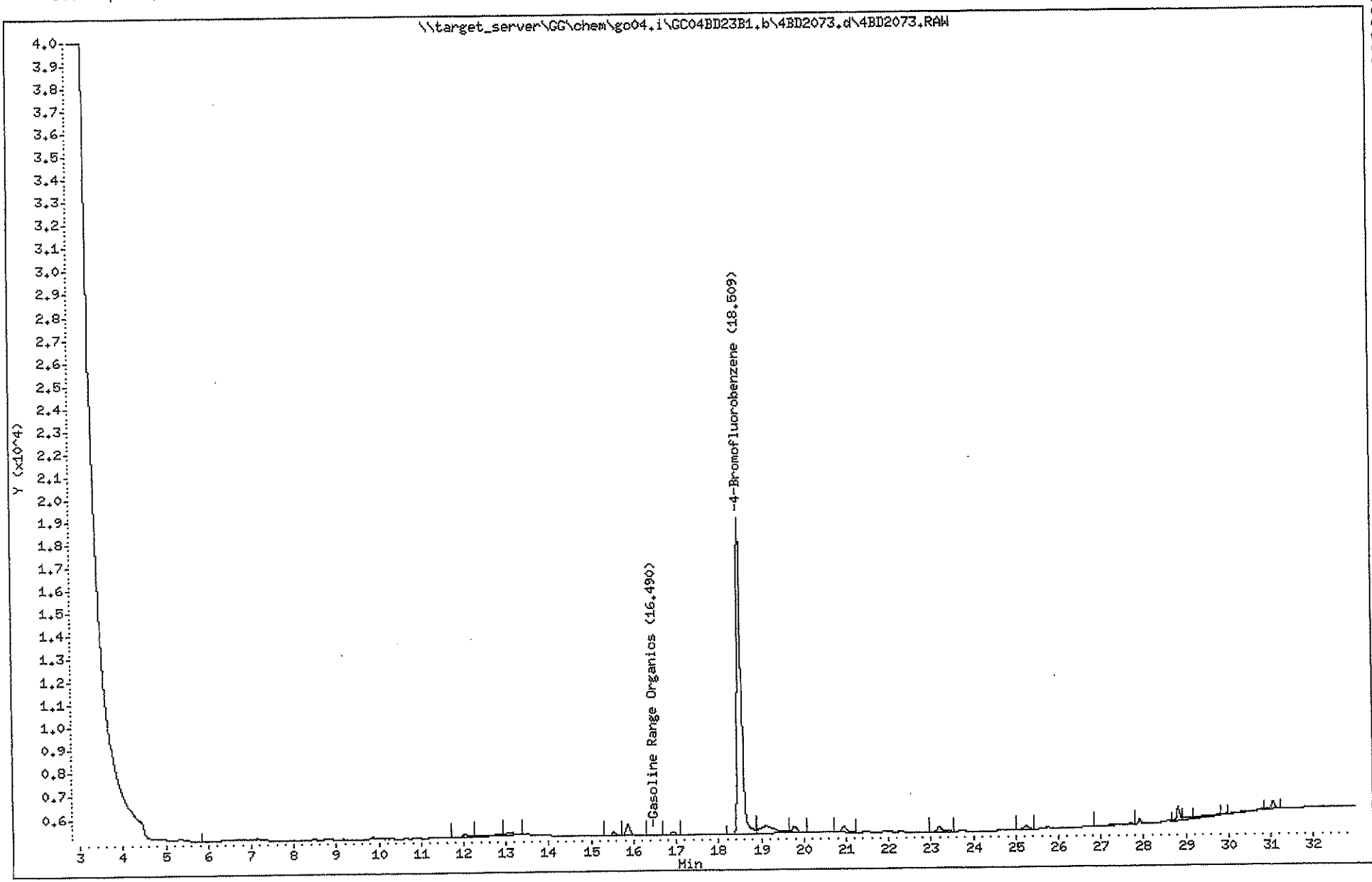
Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2073.d
Date : 23-APR-2008 18:17
Client ID: MW-A
Sample Info: GROB034A.M,GC04BD23B1.B,1,SB1961-1
Purge Volume: 0.0
Column phase: DBVRX

Instrument: gc04.i
Operator: EKC
Column diameter: 0.45



Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2073.d
Date : 23-APR-2008 18:17
Client ID: MW-A
Sample Info: GROB034A,M,GC04BD23B1.B,1,SB1961-1
Purge Volume: 0.0
Column phase: DBVRX

Instrument: gc04.i
Operator: EKC
Column diameter: 0.45



INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-A

Matrix: WATER **SDG Name:** SB1961

Percent Solids: 0.00 **Lab Sample ID:** SB1961-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-36-0	ANTIMONY, TOTAL	3.9	B		P	1	8.0	0.78
7440-38-2	ARSENIC, TOTAL	1.69	U		P	1	8.0	1.69
7440-39-3	BARIUM, TOTAL	79.6			P	1	5.0	0.59
7440-43-9	CADMIUM, TOTAL	1.5	B		P	1	10	0.04
7440-47-3	CHROMIUM, TOTAL	0.78	B		P	1	15	0.41
7440-50-8	COPPER, TOTAL	17.6	B		P	1	25	0.75
7439-92-1	LEAD, TOTAL	2.4	B		P	1	5.0	0.97
7439-97-6	MERCURY, TOTAL	0.03	U		CV	1	0.20	0.03
7440-02-0	NICKEL, TOTAL	35.9	B		P	1	40	0.42
7782-49-2	SELENIUM, TOTAL	2.3	B		P	1	10	0.96
7440-22-4	SILVER, TOTAL	0.30	B		P	1	15	0.29
7440-66-6	ZINC, TOTAL	489			P	1	25	2.22

Bottle ID: I

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:42
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:42
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	U	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether	U	1	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 04:42
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.5
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
108-86-1	Bromobenzene	U	1	1.0	1	1	0.4
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.4
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.4
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.4
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.4
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.4
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.5
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.4
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.7
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		108%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 17:21
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 17:21
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 17:21
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5
122-66-7	1,2-Diphenylhydrazine	U	20	1.0	20	20	6
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
92-87-5	Benzidine	U	50	1.0	50	50	8
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 20%				
13127-88-3	Phenol-D6		11%				
4165-60-0	Nitrobenzene-D5		* 50%				
321-60-8	2-Fluorobiphenyl		* 57%				
118-79-6	2,4,6-Tribromophenol		68%				
1718-51-0	Terphenyl-D14		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/21/08
Analysis Date: 25-APR-2008 00:13
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 8082
Lab Prep Batch: WG50539
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		* 99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/21/08
Analysis Date: 25-APR-2008 00:13
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: SJC
Analysis Method: SW846 8082
Lab Prep Batch: WG50539
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		* 99%				

Data File: \\target_server\GG\chem\gc06.i\GC06BD23A1.b\6BD3254.d
Report Date: 25-Apr-2008 11:09

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc06.i\GC06BD23A1.b\6BD3254.d
Lab Smp Id: SB1961-2 Client Smp ID: MW-B
Inj Date : 25-APR-2008 00:13
Operator : SJC Inst ID: gc06.i
Smp Info : PCBA091A.M,GC06BD23A1.B,1,SB1961-2
Misc Info : SW846 8082
Comment :
Method : \\TARGET_SERVER\GG\chem\gc06.i\GC06BD23A1.B\PCBA091A.m
Meth Date : 25-Apr-2008 11:06 scolby Quant Type: ESTD
Cal Date : 21-APR-2008 15:06 Cal File: 6BD3165.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: TARGET02

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Volume of final extract (L)
Vo	1.060	Volume of sample extracted (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 3 Tetrachloro-m-xylene					CAS #: 877-09-8			
4.700	4.713	-0.013	130050	0.08957	0.845			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
17.513	17.513	0.000	103741	0.09870	0.931		(RM)	M5

SL 4/25/08

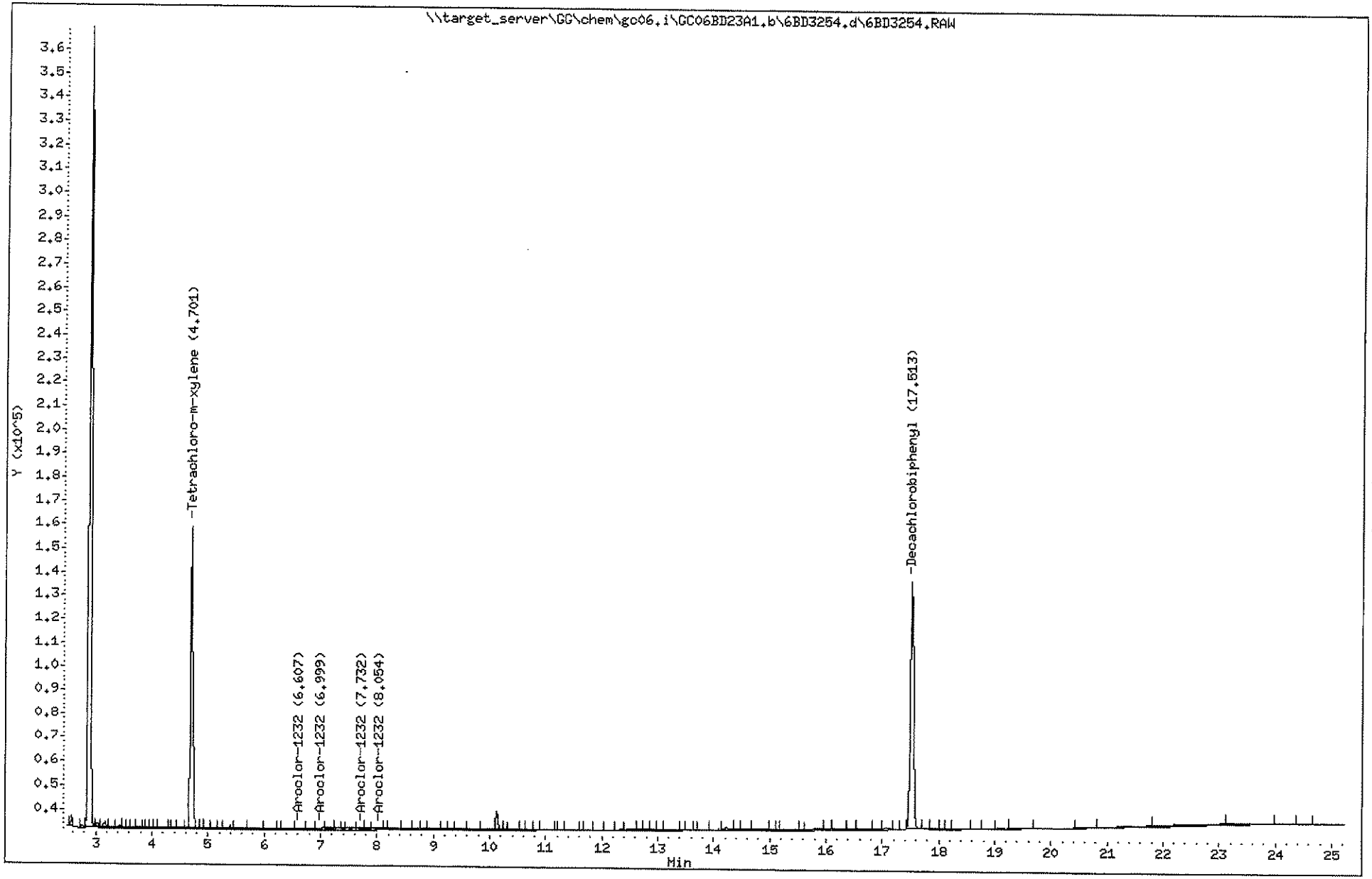
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\target_server\GC\chem\gc06.i\GC06BD23A1.b\6BD3254.d
Date : 25-APR-2008 00:13
Client ID: MW-B
Sample Info: PCBA091A,M,GC06BD23A1,B,1,SB1961-2
Purge Volume: 1.1
Column phase: ZB-Multiresidue-1

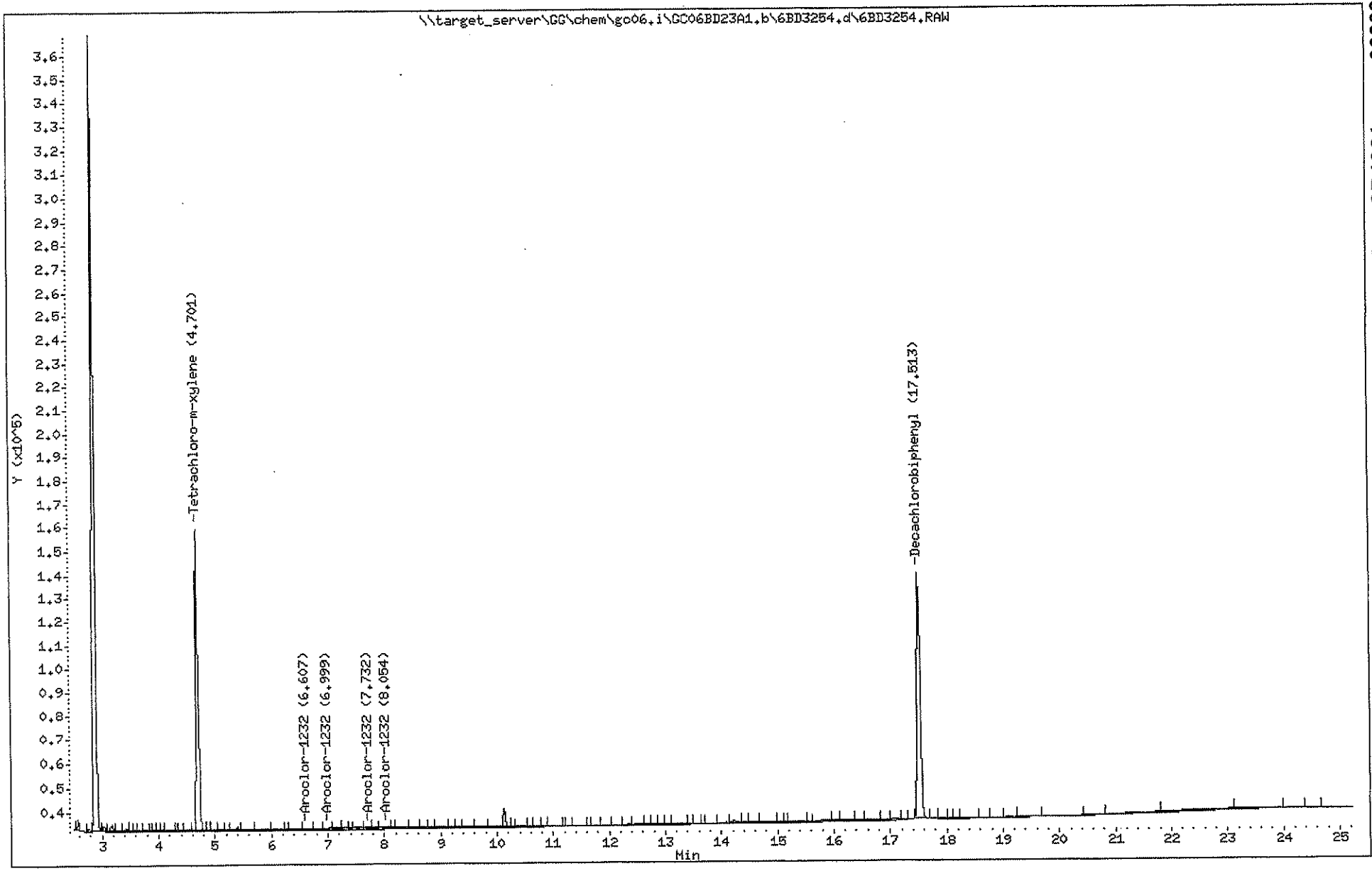
Instrument: gc06.i

Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GC\chem\gc06.i\GC06BD23A1.b\6BD3254.d
Date : 25-APR-2008 00:13
Client ID: MW-B
Sample Info: PCBA091A,M,GC06BD23A1,B,1,SB1961-2
Purge Volume: 1.1
Column phase: ZB-Multiresidue-1

Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GG\chem\gc06.i\GC06BD23B1.b\6BD4254.d
Report Date: 25-Apr-2008 11:09

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc06.i\GC06BD23B1.b\6BD4254.d
Lab Smp Id: SB1961-2 Client Smp ID: MW-B
Inj Date : 25-APR-2008 00:13
Operator : SJC Inst ID: gc06.i
Smp Info : PCBB091A.M,GC06BD23A1.B,1,SB1961-2
Misc Info : SW846 8082
Comment :
Method : \\target_server\GG\chem\gc06.i\GC06BD23B1.b\PCBB091A.m
Meth Date : 25-Apr-2008 09:31 scolby Quant Type: ESTD
Cal Date : 02-APR-2008 15:04 Cal File: 6BD2054.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: WATER
Processing Host: TARGET02

Concentration Formula: Amt * DF * Vt*(1/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.01000	Volume of final extract (L)
Vo	1.060	Volume of sample extracted (L)
Cpnd Variable		Local Compound Variable

RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COL (ug/mL)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO	REVIEW CODE
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8			
5.213	5.245	-0.032	113418	0.08119	0.766			
$ 12 Decachlorobiphenyl					CAS #: 2051-24-3			
18.353	18.393	-0.040	82075	0.08938	0.843		(M)	M5

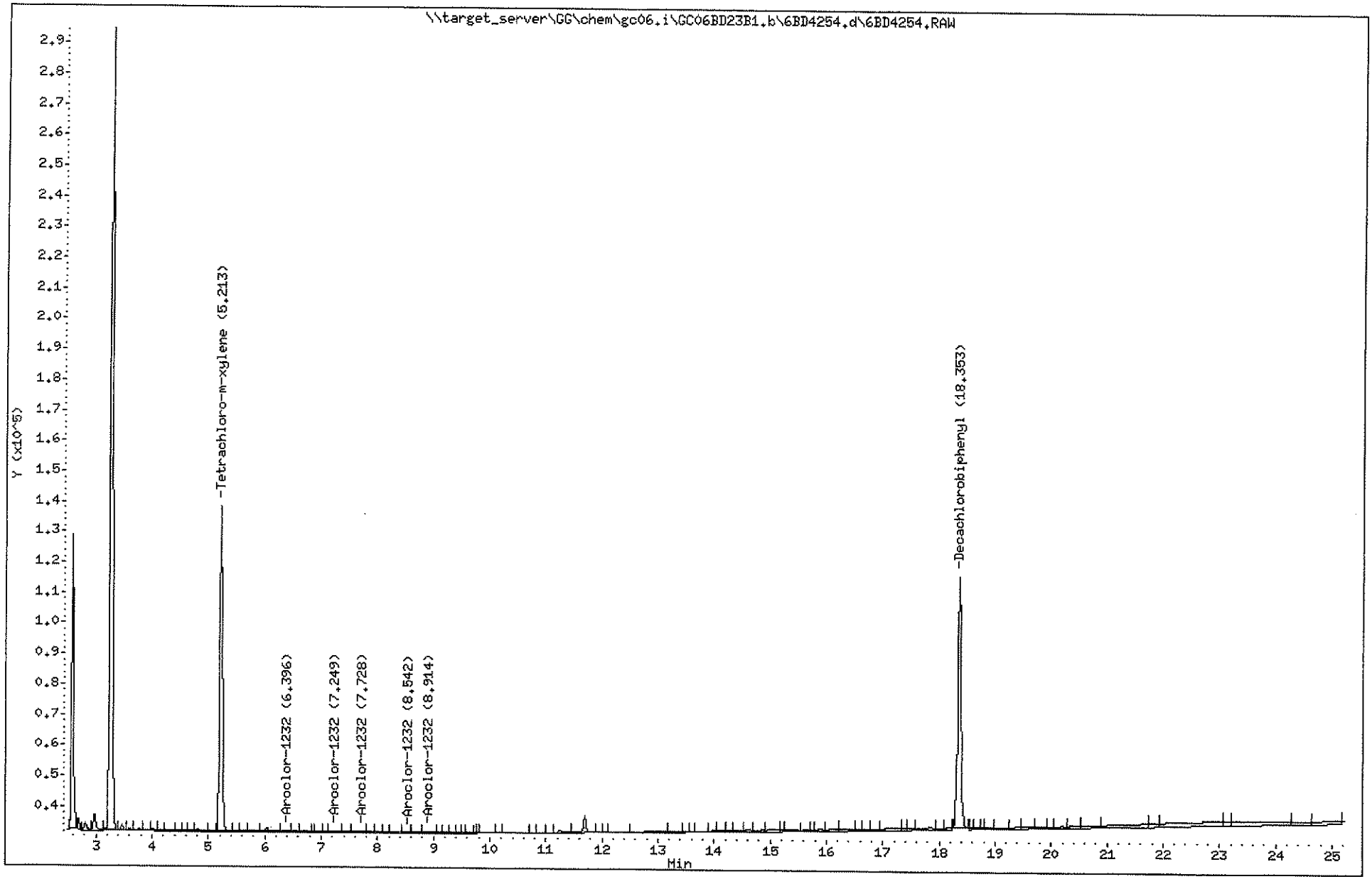
SM 4/25/08

QC Flag Legend

M - Compound response manually integrated.

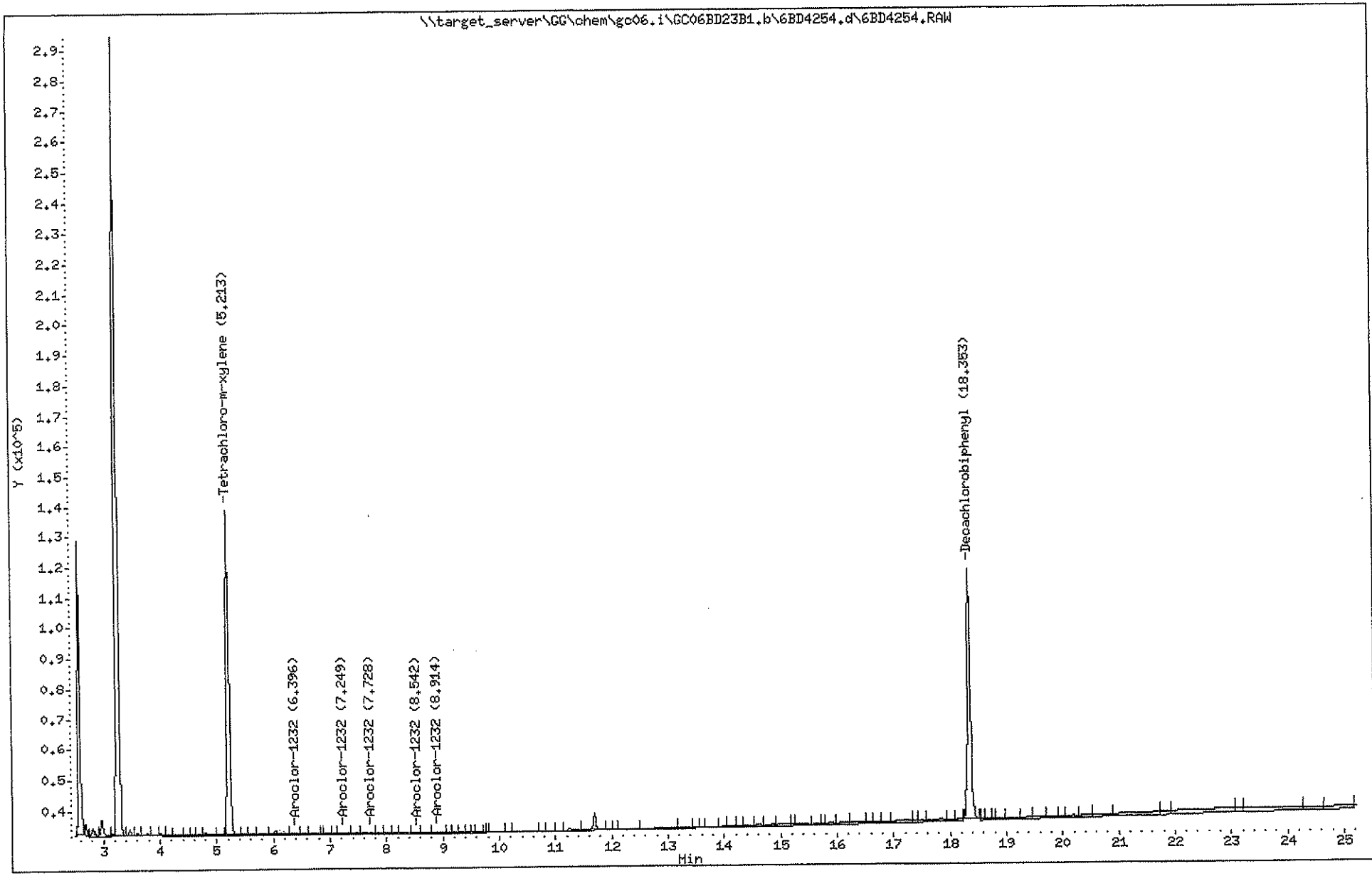
Data File: \\target_server\GC\chem\gc06.i\GC06BD23B1.b\6BD4254.d
Date : 25-APR-2008 00:13
Client ID: MW-B
Sample Info: PCBB091A.M,GC06BD23A1.B,1,SB1961-2
Purge Volume: 1.1
Column phase: ZB-Multiresidue-2

Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



Data File: \\target_server\GC\chem\gc06.i\GC06BD23B1.b\6BD4254.d
Date : 25-APR-2008 00:13
Client ID: MW-B
Sample Info: PCBB091A,M,GC06BD23A1,B,1,SB1961-2
Purge Volume: 1.1
Column phase: ZB-Multiresidue-2

Instrument: gc06.i
Operator: SJC
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/22/08
Analysis Date: 25-APR-2008 16:37
Report Date: 04/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: KGT
Analysis Method: MEDEP 4.1.25
Lab Prep Batch: WG50565
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Diesel Range Organics		240	1.0	50	50	32
	O-Terphenyl		76%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3094.d
Report Date: 29-Apr-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3094.d
Lab Smp Id: SB1961-2 Client Smp ID: MW-B
Inj Date : 25-APR-2008 16:37
Operator : KGT Inst ID: gc10.i
Smp Info : DROA021A.M,GC10BD25A1.B,1,SB1961-2
Misc Info : MEDEP 4.1.25
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD25A1.B\DROA021A.m
Meth Date : 28-Apr-2008 08:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^1^25.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3087.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	9 O-Terphenyl	12.560	12.559	0.001	112460	15.2026	14.3 (aM)	M5
S	7 Diesel Range Organics	5.144-17.856			1691139	252.412	238 (M)	

KRS 042908

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3094.d
Report Date: 29-Apr-2008 08:59

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3094.d
Lab Smp Id: SB1961-2 Client Smp ID: MW-B
Inj Date : 25-APR-2008 16:37
Operator : KGT Inst ID: gc10.i
Smp Info : DROA021A.M,GC10BD25A1.B,1,SB1961-2
Misc Info : MEDEP 4.1.25
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD25A1.B\DROA021A.m
Meth Date : 28-Apr-2008 08:39 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^1^25.sub
Subtraction File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3087.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	9 O-Terphenyl	12.560	12.559	0.001	112460	15.2026	14.3 (aM)	M5
S	7 Diesel Range Organics	5.144-17.856			1691139	252.412	238 (M)	

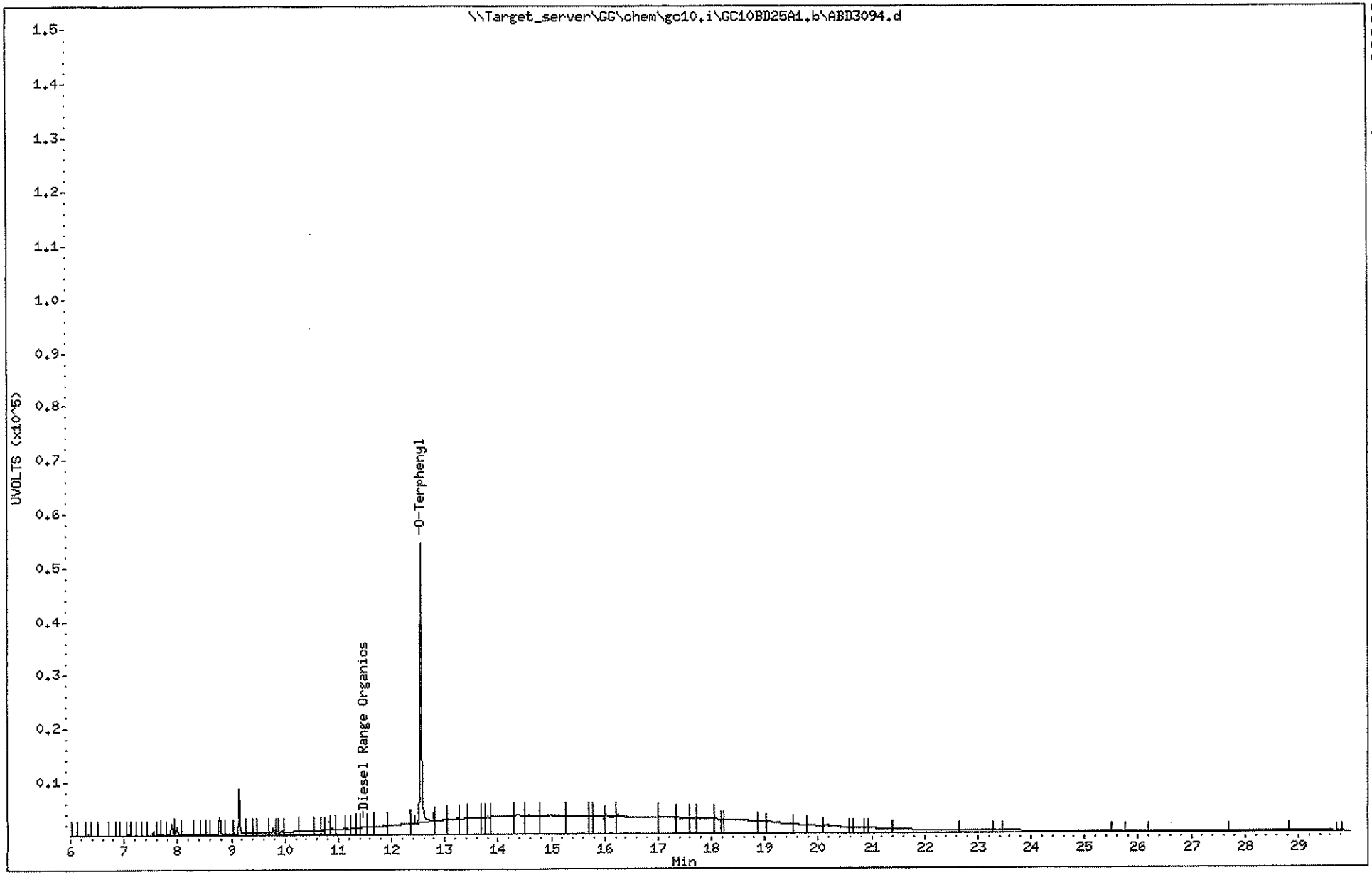
KR 04/29/08

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BD25A1.b\ABD3094.d
Date : 25-APR-2008 16:37
Client ID: MW-B
Sample Info: DROA021A,M,GC10BD25A1,B,1,SB1961-2
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i
Operator: KGT
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 23-APR-2008 18:56
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030B
Analyst: EKC
Analysis Method: MEDEP 4.2.17
Lab Prep Batch: WG50560
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Gasoline Range Organics	U	10	1.0	10	10	6.6
460-00-4	4-Bromofluorobenzene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 23-APR-2008 18:56
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-2
Client ID: MW-B
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030B
Analyst: EKC
Analysis Method: MEDEP 4.2.17
Lab Prep Batch: WG50560
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Gasoline Range Organics	U	10	1.0	10	10	6.6
460-00-4	4-Bromofluorobenzene		96%				

Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2074.d
Report Date: 24-Apr-2008 10:16

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2074.d
Lab Smp Id: SB1961-2 Client Smp ID: MW-B
Inj Date : 23-APR-2008 18:56
Operator : EKC Inst ID: gc04.i
Smp Info : GROB034A.M,GC04BD23B1.B,1,SB1961-2
Misc Info : MEDEP 4.2.17
Comment : MEDEP 4.2.17
Method : \\TARGET_SERVER\GG\chem\gc04.i\GC04BD23B1.B\GROB034A.m
Meth Date : 24-Apr-2008 09:22 ecyr Quant Type: ESTD
Cal Date : 16-JAN-2008 15:31 Cal File: 4BA2028.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^2^17.sub
Target Version: 4.12
Processing Host: TARGET02

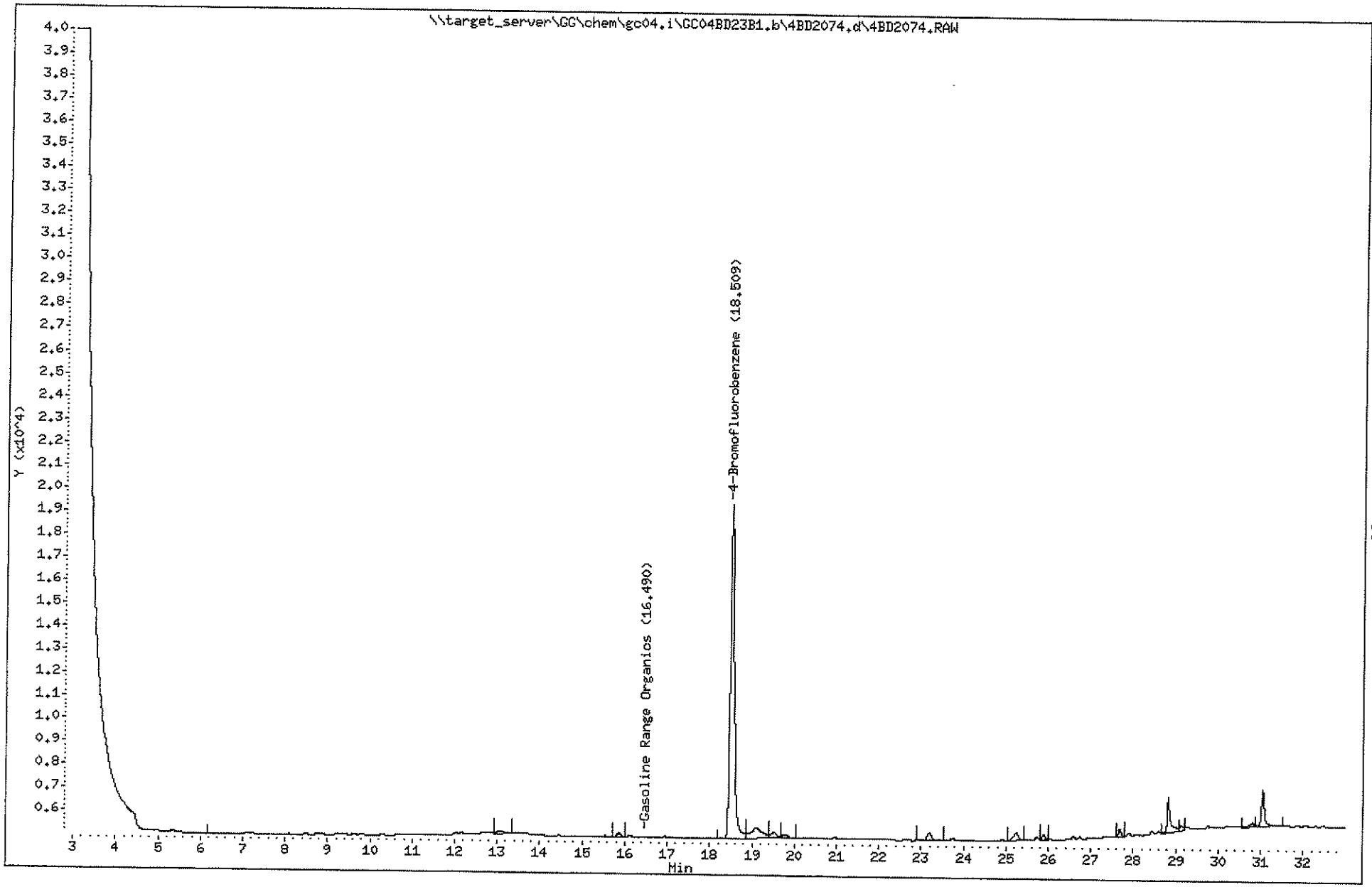
Concentration Formula: Amt * DF * 0.005/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.00500	Sample Volume purged (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$ 10 4-Bromofluorobenzene	18.509	18.587	-0.078	97081	19.1280	19.1	

Data File: \\target_server\GC\chem\gc04.i\GC04BD23B1.b\4BD2074.d
Date : 23-APR-2008 18:56
Client ID: MW-B
Sample Info: GROB034A.M,GC04BD23B1.B,1,SB1961-2
Purge Volume: 0.0
Column phase: DBVRX

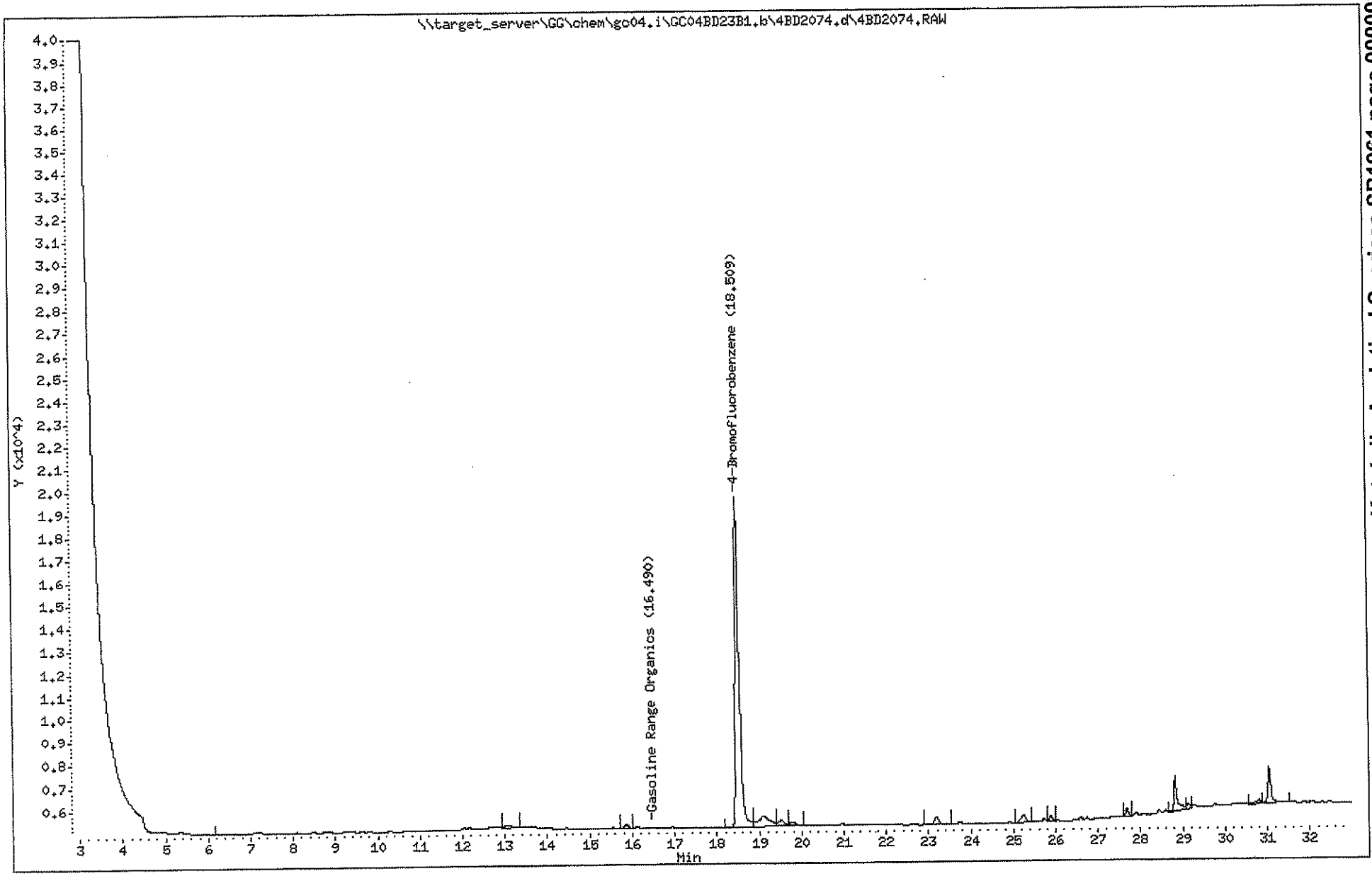
Instrument: gc04.i
Operator: EKC
Column diameter: 0.45



Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2074.d
Date : 23-APR-2008 18:56
Client ID: MW-B
Sample Info: GROB034A.M,GC04BD23B1.B,1,SB1961-2
Purge Volume: 0.0
Column phase: DBVRX

Instrument: gc04.i

Operator: EKC
Column diameter: 0.45



INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MW-B

Matrix: WATER **SDG Name:** SB1961

Percent Solids: 0.00 **Lab Sample ID:** SB1961-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted CRDL	Adjusted MDL
7440-36-0	ANTIMONY, TOTAL	1.8	B		P	1	8.0	0.78
7440-38-2	ARSENIC, TOTAL	1.69	U		P	1	8.0	1.69
7440-39-3	BARIUM, TOTAL	161			P	1	5.0	0.59
7440-43-9	CADMIUM, TOTAL	4.1	B		P	1	10	0.04
7440-47-3	CHROMIUM, TOTAL	0.76	B		P	1	15	0.41
7440-50-8	COPPER, TOTAL	9.9	B		P	1	25	0.75
7439-92-1	LEAD, TOTAL	5.0	B		P	1	5.0	0.97
7439-97-6	MERCURY, TOTAL	0.03	U		CV	1	0.20	0.03
7440-02-0	NICKEL, TOTAL	9.0	B		P	1	40	0.42
7782-49-2	SELENIUM, TOTAL	0.96	U		P	1	10	0.96
7440-22-4	SILVER, TOTAL	0.29	U		P	1	15	0.29
7440-66-6	ZINC, TOTAL	607			P	1	25	2.22

Bottle ID: I

Comments:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 05:14
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol		22	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	J	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether		81	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether		1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether		19	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 05:14
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.4
74-87-3	Chloromethane	U	2	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.4
74-83-9	Bromomethane	U	2	1.0	2	2	0.9
75-00-3	Chloroethane	U	2	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.4
60-29-7	Diethyl Ether	U	1	1.0	1	1	0.6
75-65-0	Tertiary-butyl alcohol		22	1.0	5	5	3
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.5
75-09-2	Methylene Chloride	U	5	1.0	5	5	0.4
67-64-1	Acetone	J	5	1.0	5	5	3
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.5
1634-04-4	Methyl tert-butyl ether		81	1.0	1	1	0.6
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.3
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether		1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.6
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.6
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.4
109-99-9	Tetrahydrofuran	U	5	1.0	5	5	2
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.4
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.4
78-93-3	2-Butanone	U	5	1.0	5	5	2
71-43-2	Benzene	U	1	1.0	1	1	0.4
994-05-8	Tertiary-amyl methyl ether		19	1.0	1	1	0.3
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.5
74-95-3	Dibromomethane	U	1	1.0	1	1	0.4
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.5
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.3
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.3
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	2
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.5
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.2
79-00-5	1,1,2-Trichloroethane	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.3
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.4
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.3
591-78-6	2-Hexanone	U	5	1.0	5	5	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 29-APR-2008 05:14
Report Date: 04/30/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG50837
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.4
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.5
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.4
	m+p-Xylenes	U	2	1.0	2	2	1.0
95-47-6	o-Xylene	U	1	1.0	1	1	0.4
100-42-5	Styrene	U	1	1.0	1	1	0.3
75-25-2	Bromoform	U	1	1.0	1	1	0.3
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.5
108-86-1	Bromobenzene	U	1	1.0	1	1	0.4
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.4
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
108-67-8	1,3,5-Trimethylbenzene	U	1	1.0	1	1	0.4
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.5
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.4
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.4
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.4
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.4
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.4
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.5
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.4
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.7
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.5
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		110%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		99%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 18:04
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 18:04
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	4
110-86-1	Pyridine	U	50	1.0	50	50	3
62-53-3	Aniline	U	25	1.0	25	25	3
108-95-2	Phenol	U	10	1.0	10	10	4
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	4
100-51-6	Benzyl alcohol	U	20	1.0	20	20	3
95-48-7	2-Methylphenol	U	10	1.0	10	10	4
108-60-1	2,2'-Oxybis(1-chloropropane)	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
65794-96-9	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	3
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	3
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	9
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	25	1.0	25	25	17
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	4
87-65-0	2,6-Dichlorophenol	U	10	1.0	10	10	9
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	25	1.0	25	25	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	2
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	3
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	5
88-74-4	2-Nitroaniline	U	25	1.0	25	25	4
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	8
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	2
99-09-2	3-Nitroaniline	U	25	1.0	25	25	5
83-32-9	Acenaphthene	U	10	1.0	10	10	4
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	14
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	12
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
58-90-2	2,3,4,6-Tetrachlorophenol	U	10	1.0	10	10	6
84-66-2	Diethylphthalate	U	10	1.0	10	10	3
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	6
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	16

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/23/08
Analysis Date: 05-MAY-2008 18:04
Report Date: 05/07/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG50612
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	5
122-66-7	1,2-Diphenylhydrazine	U	20	1.0	20	20	6
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	2
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	2
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	2
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	3
206-44-0	Fluoranthene	U	10	1.0	10	10	4
92-87-5	Benzidine	U	50	1.0	50	50	8
129-00-0	Pyrene	U	10	1.0	10	10	3
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	6
218-01-9	Chrysene	U	10	1.0	10	10	2
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	8
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	6
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	4
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	5
367-12-4	2-Fluorophenol		* 32%				
13127-88-3	Phenol-D6		19%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		65%				
118-79-6	2,4,6-Tribromophenol		81%				
1718-51-0	Terphenyl-D14		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/22/08
Analysis Date: 28-APR-2008 12:46
Report Date: 04/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3RA
Client ID: MW-C
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: MEDEP 4.1.25
Lab Prep Batch: WG50565
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Diesel Range Organics		460	1.0	50	50	32
	O-Terphenyl		83%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date: 04/22/08
Analysis Date: 28-APR-2008 12:46
Report Date: 04/29/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3RA
Client ID: MW-C
SDG: SB1961
Extracted by: KF
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: MEDEP 4.1.25
Lab Prep Batch: WG50565
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Diesel Range Organics		460	1.0	50	50	32
	O-Terphenyl		83%				

Data File: \\Target_server\GG\chem\gc10.i\GC10BD28A1.b\ABD3107.d
Report Date: 29-Apr-2008 09:02

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc10.i\GC10BD28A1.b\ABD3107.d
Lab Smp Id: SB1961-3RA Client Smp ID: MW-C
Inj Date : 28-APR-2008 12:46
Operator : JLP Inst ID: gc10.i
Smp Info : DROA021A.M,GC10BD28A1.B,1,SB1961-3RA
Misc Info : MEDEP 4.1.25
Comment :
Method : \\TARGET_SERVER\GG\chem\gc10.i\GC10BD28A1.B\DROA021A.m
Meth Date : 28-Apr-2008 12:38 jprescott Quant Type: ESTD
Cal Date : 08-APR-2008 15:35 Cal File: ABD1095.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^1^25.sub
Subtraction File: \\target_server\GG\chem\gc10.i\GC10BD28A1.b\ABD3104.d
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (Vt/Vo)*1000 * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Final Volume (L)
Vo	1.060	Sample Volume (L)
Cpnd Variable		Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
$	9 O-Terphenyl	12.560	12.559	0.001	122709	16.6272	15.7(aM)	
S	7 Diesel Range Organics	5.144-17.856			3204471	485.050	458(M)	M5

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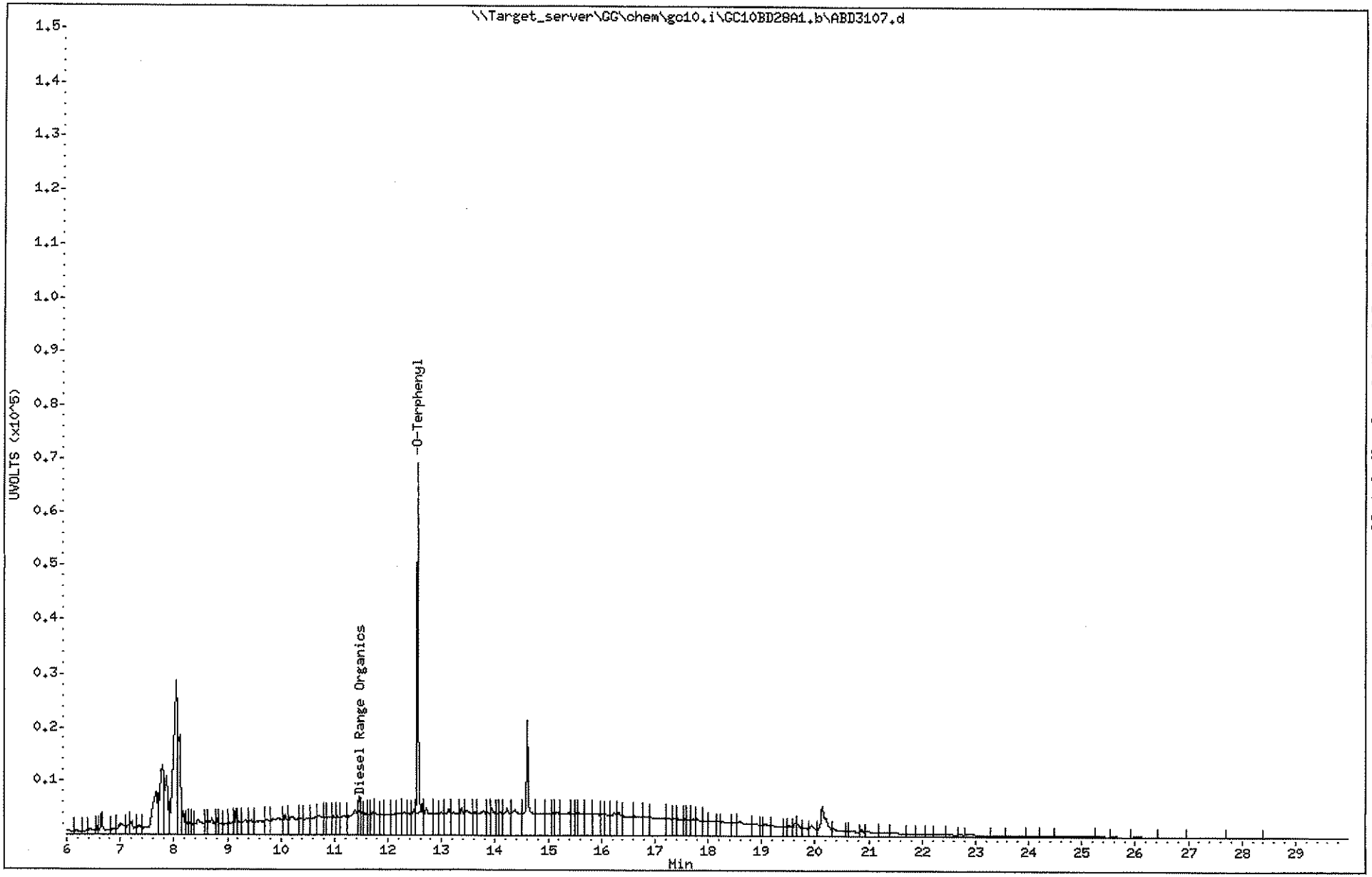
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

Data File: \\Target_server\GG\chem\gc10.i\GC10BD28A1.b\ABD3107.d
Date : 28-APR-2008 12:46
Client ID: MW-C
Sample Info: DROA021A.M,GC10BD28A1.B,1,SB1961-3RA
Purge Volume: 1.1
Column phase: ZB-1

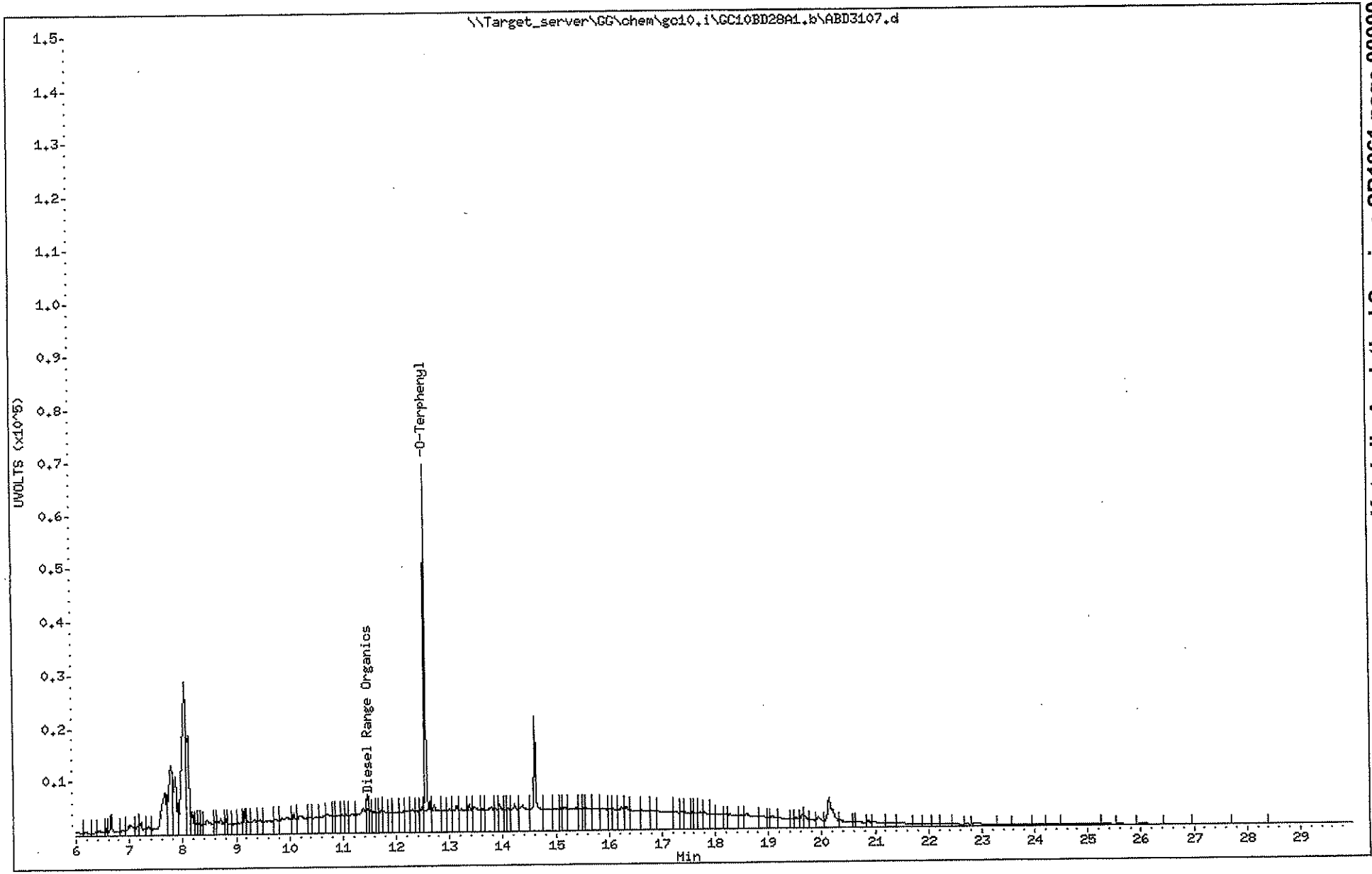
Instrument: gc10.i
Operator: JLP
Column diameter: 0.53



Data File: \\Target_server\GC\chem\gc10.i\GC10BD28A1.b\ABD3107.d
Date : 28-APR-2008 12:46
Client ID: MW-C
Sample Info: DROA021A.M,GC10BD28A1.B,1,SB1961-3RA
Purge Volume: 1.1
Column phase: ZB-1

Instrument: gc10.i

Operator: JLP
Column diameter: 0.53



KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Acadia Environmenta
Project: 099-003
PO No:
Sample Date: 04/16/08
Received Date: 04/17/08
Extraction Date:
Analysis Date: 23-APR-2008 19:35
Report Date: 04/25/2008
Matrix: WATER
% Solids: NA

Lab ID: SB1961-3
Client ID: MW-C
SDG: SB1961
Extracted by:
Extraction Method: SW846 5030B
Analyst: EKC
Analysis Method: MEDEP 4.2.17
Lab Prep Batch: WG50560
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Gasoline Range Organics		54	1.0	10	10	6.6
460-00-4	4-Bromofluorobenzene		98%				

Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2075.d
Report Date: 24-Apr-2008 10:16

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2075.d
Lab Smp Id: SB1961-3 Client Smp ID: MW-C
Inj Date : 23-APR-2008 19:35
Operator : EKC Inst ID: gc04.i
Smp Info : GROB034A.M,GC04BD23B1.B,1,SB1961-3
Misc Info : MEDEP 4.2.17
Comment : MEDEP 4.2.17
Method : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\GROB034A.m
Meth Date : 24-Apr-2008 09:22 ecyr Quant Type: ESTD
Cal Date : 16-JAN-2008 15:31 Cal File: 4BA2028.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^2^17.sub
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * 0.005/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.00500	Sample Volume purged (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
S 6 Gasoline Range Organics	4.929-28.050			518910	53.5524	53.6	
$ 10 4-Bromofluorobenzene	18.502	18.587	-0.085	100032	19.7417	19.7	

Data File: \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2075.d
Report Date: 24-Apr-2008 10:16

Katahdin Analytical Services

Data file : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\4BD2075.d
Lab Smp Id: SB1961-3 Client Smp ID: MW-C
Inj Date : 23-APR-2008 19:35
Operator : EKC Inst ID: gc04.i
Smp Info : GROB034A.M,GC04BD23B1.B,1,SB1961-3
Misc Info : MEDEP 4.2.17
Comment : MEDEP 4.2.17
Method : \\target_server\GG\chem\gc04.i\GC04BD23B1.b\GROB034A.m
Meth Date : 24-Apr-2008 09:22 ecyr Quant Type: ESTD
Cal Date : 16-JAN-2008 15:31 Cal File: 4BA2028.RAW
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: MEDEP4^2^17.sub
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * 0.005/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	0.00500	Sample Volume purged (L)
Cpnd Variable		Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/L)	CONCENTRATIONS FINAL (ug/L)	REVIEW CODE
S 6 Gasoline Range Organics	4.929-28.050			518910	53.5524	53.6	
$ 10 4-Bromofluorobenzene	18.502	18.587	-0.085	100032	19.7417	19.7	