

September 3, 2008
File No. 32795.29



Ms. Joan Taylor
Senior Environmental Scientist
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Second Quarterly (April-June of 2008) Interim Compliance Monitoring Report
Charbert, Division of NFA
Richmond, Rhode Island
RIDEM Case # 99-037

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Dear Ms. Taylor:

This letter with attachments serves as the second quarterly Interim Compliance Monitoring Report, in compliance with the December 18, 2007 Order of Approval and the October 15, 2007 Remedial Action Work Plan (RAWP) that was prepared to address the applicable requirements of Section 9.00 of the RIDEM's Rules and Regulations for the Investigation and Remediation of Hazardous Materials Releases, (DEM-DSR01-93 Remediation Regulations) for the Charbert facility located at 299 Church Street in Richmond (Alton), Rhode Island. It was prepared by GZA GeoEnvironmental, Inc., on behalf of our client Charbert, a Division of NFA.

DATA SUMMARY

This report includes the following information and is subject to the Limitations presented in Appendix A:

- The third round of groundwater sampling was conducted July 7, 2008 and consisted of 12 monitoring wells within areas of active treatment and along the downgradient compliance boundaries, see attached Figure 1 for monitoring well locations. Groundwater was analyzed for volatile organic compounds (VOCs) via EPA Method 8260B. The detected analytes have been summarized and compared to RIDEM's Method 1 GA Groundwater Objectives and Groundwater Quality Preventative Action Limits (PALs) in the attached Tables 1 through 14. The laboratory certificates of analysis are provided in Attachment B.
- Groundwater sampling was performed in general accordance with EPA's July 30, 1996 *Low Stress (low flow) Purging and Sampling Procedure* (Low Flow SOP). Low flow sampling equipment (exclusive of tubing which is dedicated) was decontaminated prior to use on-site and between each location following EPA's required protocols. Water quality monitoring for stabilization was conducted utilizing a Horiba multi-meter in a flow through cell. Field equipment used to perform the

testing was calibrated according to the manufacturer's instructions before each sampling day, and confirmatory readings were taken at the end of each sampling day.



- The air sparge and soil vapor extraction monthly monitoring reports and associated data tables for April, May and June of 2008 are included as Attachment C. Soil vapor extraction and sparge wells for the interior and exterior remedial systems are shown on Figures 2 and 3, respectively. The monthly reports include the following information:

Soil Vapor Extraction System

During each visit, the following data was measured and recorded at each of the vent wells:

1. Air flow rates;
2. Vacuum response in inches of water column (IW);
3. TVOC measurements using a PID equipped with a 10.6 eV lamp;
and
4. O₂, CO₂ and Lower Explosive Limit (LEL) measurements were collected utilizing a Land-Tech infrared gas meter.

Air Sparge System

During each visit, the following data was measured and recorded at each of the sparge points:

1. Air flow rates and
 2. Air pressures.
- The second quarter (April – June) 2008 underground injection control (UIC) report has been attached for your information. The report contains a summary of industrial wastewater pumping activities and the sampling results of the six UIC monitoring wells. The complete report has been included as Attachment D.
 - The second round of groundwater sampling from the perimeter wells was conducted July 7, 2008 and consisted of 5 perimeter wells located between the Charbert facility and nearby private wells. The report contains the results of the monitoring well sampling and proposed a future sampling schedule. The complete report has been included as Attachment E.

EVALUATION

Second Quarter Monitoring Results



The June 7, 2008 groundwater results have been compared to the applicable groundwater standards for Rhode Island and there are contaminants that exceed the RIDEM Preventative Action Limits (PALs) and RIDEM GA Groundwater Standards for VOCs in 9 of the 12 monitoring wells. The four contaminants that exceeded the GA Groundwater Standard are vinyl chloride, cis-1,2-dichloroethene, trichloroethene (TCE) and tetrachloroethene (PCE). Two of the three remaining monitoring wells had no detectable levels of VOCs. One well had detectable concentrations, but not above the GA objectives or PALs. During the June 7, 2008 sampling event the labels for wells GZ-19 and RIZ-7 were inadvertently switched. The error was corrected and the results appear as they should in the tables

The RIDEM GA Groundwater Objective for vinyl chloride is 2 µg/L, the samples from GZ-21, GZ-19, GZ-3 and GP-26 had levels of 2.8, 85, 3.1 and 100 µg/L, respectively. The GA Objective for cis-1,2-dichloroethene is 70 µg/L and the samples from GZ-20, GZ-7 and GP-26 had a level of 120, 140 and 160 µg/L. Trichloroethene has a GA objective of 5 µg/L and monitoring well locations GZ-23, RIZ-7, GZ-20, GP-26, GZ-7 and GZ-3 were all in excess of the regulatory limit with concentrations ranging from 27 to 200 µg/L. Tetrachloroethene has a GA groundwater objective of 5 µg/L and monitoring well locations GZ-21, GZ-22, GZ-23, GZ-19, RIZ-7, GZ-20, GZ-7, GP-26 and GZ-3 were in excess of the regulatory limit with concentrations ranging from 7.4 to 19,000 µg/L.

The detected levels of each of these compounds are within historical ranges of previous analytical data collected from the Site. A comparison of baseline results with the second quarter results shows that there have been changes in the distribution of contaminant concentrations within the identified zone of contamination. There are also changes in the ratio of parent to daughter products (i.e., PCE concentrations relative to TCE, 1,2-DCE and VC). The observed changes are not unexpected given the level of disturbance to the aquifer introduced by the sparging system. The decrease in chlorinated daughter products is also consistent with a decrease in the level of reductive dechlorination caused by the oxygen introduced by the sparging system.

The quarterly monitoring program will be continued for 6 more quarters through (December 2009). At that time, an evaluation will be made of the future sampling frequency potentially moving to semi-annual corresponding to periods of seasonal high and low groundwater (e.g., March and September). Seasonal groundwater levels will be evaluated prior to choosing a time (date) in which these samples will be collected.

We trust that this information fulfills your present needs. If you have any questions please call Stephen Andrus or Edward Summerly at (401)-421-4140.

Very truly yours,



GZA GEOENVIRONMENTAL, INC.


Stephen Andrus, E.I.T.
Assistant Project Manager


Albert Flori
Project Reviewer


Edward A. Summerly, P.G.
Principal

SMA/EAS:mac

CC: Mary Morgan, Richmond Town Clerk
Clark Memorial Library – Charbert Repository

Attachments: Tables - Tables 1 through 14 - Detected Constituents Summary
Figure 1: Monitoring Well Locations
Figure 2: Interior AS-SVR System
Figure 3: Exterior AS-SVE System
Appendix A – Limitations
Appendix B - Laboratory Certificates of Analysis
Appendix C – Monthly AS/SVE System Monitoring Data
Appendix D– Second Quarter 2008 UIC Report
Appendix E – Perimeter Well Monitoring Results Memorandum

TABLES

TABLE 1
GZ-21
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-21 Shallow Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
				Baseline 1/2/2008		04/01/2008		07/07/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
Vinyl Chloride	2	1	ug/L	< 1.0	8.4	1.0	2.8	1.0	
1,1-Dichloroethene	7	3.5	ug/L	< 1.0	<	1.0	<	1.0	
trans-1,2-Dichloroethene	100	50	ug/L	< 1.0	<	1.0	<	1.0	
cis-1,2-Dichloroethene	70	35	ug/L	7.8	10.0	1.0	7.7	1.0	
1,1,1-Trichloroethene	200	100	ug/L	< 1.0	<	1.0	<	1.0	
Trichloroethene	5	2.5	ug/L	3.5	1.7	1.0	2.3	1.0	
Tetrachloroethene	5	2.5	ug/L	7.2	2.4	1.0	7.6	1.0	
Ethylbenzene	700	350	ug/L	< 1.0	<	1.0	<	1.0	
m&p-Xylene	NS	NS	ug/L	< 2.0	<	2.0	<	2.0	
o-Xylene	NS	NS	ug/L	< 1.0	<	1.0	<	1.0	
Total Xylenes	1000	500	ug/L	< 2.0	<	2.0	<	2.0	
2-Chlorotoluene	NS	NS	ug/L	< 1.0	<	1.0	<	1.0	
N-Propylbenzene	NS	NS	ug/L	< 1.0	<	1.0	<	1.0	
sec-Butylbenzene	NS	NS	ug/L	< 1.0	<	1.0	<	1.0	
TOTAL PETROLEUM HYDROCARBON									
Hydrocarbon Content	NS	NS	ug/L	< 200	NT	NT	NT	NT	
FIELD PARAMETERS									
pH	NS	NS	SU	4.0	5.0	5.7	5.7	5.7	
CONDUCTIVITY	NS	NS	mS/cm	0.337	0.660	0.480	0.480	0.480	
TURBIDITY	NS	NS	NTU	5	3	80	80	80	
DISSOLVED OXYGEN	NS	NS	mg/L	1.0	0.0	1.4	1.4	1.4	
TEMPERATURE	NS	NS	°C	16.4	14.4	14.8	14.8	14.8	
ORP	NS	NS	mV	191	-58	-64	-64	-64	

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 2
GZ-22
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-22 Deep Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
				Baseline 1/2/2008		04/01/2008		07/07/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	<	1.0
1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	1.0
trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	1.0	<	1.0
cis-1,2-Dichloroethene	70	35	ug/L	<	1.0	<	1.0	<	1.0
1,1,1-Trichloroethene	200	100	ug/L	<	1.0	<	1.0	<	1.0
Trichloroethene	5	2.5	ug/L	<	1.0	<	1.0	<	1.0
Tetrachloroethene	5	2.5	ug/L	14	1.0	12	1.0	86	1.0
Ethylbenzene	700	350	ug/L	<	1.0	<	1.0	<	1.0
m&p-Xylene	NS	NS	ug/L	<	2.0	<	2.0	<	2.0
o-Xylene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
Total Xylenes	1000	500	ug/L	<	2.0	<	2.0	<	2.0
2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
FIELD PARAMETERS									
pH	NS	NS	SU	4.0	5.0	5.0	5.1		
CONDUCTIVITY	NS	NS	mS/cm	0.330	0.218	0.218	0.173		
TURBIDITY	NS	NS	NTU	5	5	5	25		
DISSOLVED OXYGEN	NS	NS	mg/L	1.0	0.0	0.0	1.5		
TEMPERATURE	NS	NS	°C	15.8	15.1	15.1	15.9		
ORP	NS	NS	mV	198	91	91	32		

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

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TABLE 3
GZ-23

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

Shallow Aquifer Monitoring Well EPA 8260	GZ-23	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
					Baseline 1/2/2008		04/01/2008		07/07/2008	
					Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS										
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	<	1.0
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	1.0
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	1.0	<	1.0
	cis-1,2-Dichloroethene	70	35	ug/L	<	1.0	<	1.0	6.5	1.0
	1,1,1-Trichloroethene	200	100	ug/L	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	<	1.0	1.8	1.0	27	1.0
	Tetrachloroethene	5	2.5	ug/L	<	1.0	2.4	1.0	59	1.0
	Ethylbenzene	700	350	ug/L	<	1.0	<	1.0	<	1.0
	m&p-Xylene	NS	NS	ug/L	<	2.0	<	2.0	<	2.0
	o-Xylene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
	Total Xylenes	1000	500	ug/L	<	2.0	<	2.0	<	2.0
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
	N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON	NS	NS	ug/L	<	200	NT	NT	NT	NT
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT	NT	NT	NT
FIELD PARAMETERS										
	pH	NS	NS	SU		4.0		5.0		5.7
	CONDUCTIVITY	NS	NS	mS/cm		0.339		0.428		0.254
	TURBIDITY	NS	NS	NTU		157		0		224
	DISSOLVED OXYGEN	NS	NS	mg/L		0.0		0.0		0.3
	TEMPERATURE	NS	NS	°C		16.6		16.1		15.4
	ORP	NS	NS	mV		-8		-60		-78

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

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NS = NO STANDARD

NT = NOT TESTED

TABLE 4
GZ-19

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-19 Deep Aquifer Monitoring well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
				Baseline 1/2/2008		04/01/2008		07/07/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
	Vinyl Chloride	1	ug/L	<	1.0	<	250	<	1.0
	1,1-Dichloroethene	3.5	ug/L	<	1.0	<	250	<	1.0
	trans-1,2-Dichloroethene	100	ug/L	<	1.0	<	250	<	1.0
	cis-1,2-Dichloroethene	70	ug/L	4.6	1.0	<	250	4.2	1.0
	1,1,1-Trichloroethene	200	ug/L	13	1.0	<	250	9.0	1.0
	Trichloroethene	5	ug/L	260	1.0	390	250	200	1.0
	Tetrachloroethene	5	ug/L	16000	1.0	20000	250	19,000	1.0
	Ethylbenzene	700	ug/L		1.0	<	250	<	1.0
	m&p-Xylene	NS	ug/L	<	2.0	<	500	<	2.0
	o-Xylene	NS	ug/L	<	1.0	<	250	<	1.0
	Total Xylenes	1000	ug/L	<	2.0	<	500	<	2.0
	2-Chlorotoluene	NS	ug/L	<	1.0	<	250	<	1.0
	N-Propylbenzene	NS	ug/L	<	1.0	<	250	<	1.0
	sec-Butylbenzene	NS	ug/L	<	1.0	<	250	<	1.0
FIELD PARAMETERS									
	pH	NS	SU	4.0		5.0		5.0	
	CONDUCTIVITY	NS	mS/cm	0.338		0.453		0.106	
	TURBIDITY	NS	NTU	68		1		240	
	DISSOLVED OXYGEN	NS	mg/L	0.0		0.0		0.3	
	TEMPERATURE	NS	°C	16.5		15.6		15.6	
	ORP	NS	mV	24		79		105	

Notes:

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NT = NOT TESTED

For the July 2008 sampling round GZ-19 and RIZ-7 data were inadvertently switched. The error was corrected and they appear as they should in these tables

TABLE 5
RIZ-7

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMF
Charbert Facility
Richmond, Rhode Island

RIZ-7 Shallow Aquifer Monitoring Well EPA 8260	RIDE M GA Groundwater Objectives	RIDE M Groundwater Quality PALs	Units	Date					
				Baseline 1/2/2008		04/01/2008		07/07/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
	2	1	ug/L	15	1.0	120	1.0	85	2.5
Vinyl Chloride									
1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	2.5
trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	2.6	1.0	3.1	2.5
cis-1,2-Dichloroethene	70	35	ug/L	2.5	1.0	64	1.0	41	2.5
1,1,1-Trichloroethene	200	100	ug/L	<	1.0	<	1.0	<	2.5
Trichloroethene	5	2.5	ug/L	<	1.0	<	1.0	<	2.5
Tetrachloroethene	5	2.5	ug/L	<	1.0	<	1.0	7	2.5
Ethylbenzene	700	350	ug/L	<	1.0	2.7	1.0	2.8	2.5
m&p-Xylene	NS	NS	ug/L	<	2.0	2.9	2.0	<	5.0
o-Xylene	NS	NS	ug/L	1.7	1.0	2.6	1.0	3.2	2.5
Total Xylenes	1000	500	ug/L	1.7	2.0	5.7	2.0	3.2	5.0
2-Chlorotoluene	NS	NS	ug/L	1.0	1.0	1.2	1.0	<	2.5
N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	1.0	2.5
sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	1.0	2.5
TOTAL PETROLEUM HYDROCARBON									
Hydrocarbon Content	NS	NS	ug/L	300	200	NT	NT	NT	NT
FIELD PARAMETERS									
pH	NS	NS	SU	4.0	5.0	5.0	6.1		
CONDUCTIVITY	NS	NS	mS/cm	0.786	0.748	0.748	0.357		
TURBIDITY	NS	NS	NTU	5	0	0	153		
DISSOLVED OXYGEN	NS	NS	mg/L	0.0	0.0	0.0	0.2		
TEMPERATURE	NS	NS	°C	16.5	14.4	14.4	15.8		
ORP	NS	NS	mV	-23	-53	-53	-112		

Notes:

PAL = RIDE M's Preventative Action Limit

RIDE M GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

For the July 2008 sampling round GZ-19 and RIZ-7 data were inadvertently switched. The error was corrected and they appear as they should in these tables.

TABLE 6
GP-28

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GP-28 Shallow Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALS	Units	Date						
				Baseline 1/2/2008		04/01/2008		07/07/2008		
				Result	Limit	Result	Limit	Result	Limit	
VOLATILE ORGANICS										
Vinyl Chloride	2	1	ug/L	1200	5.0	180	2.5	<	1.0	
1,1-Dichloroethene	7	3.5	ug/L	<	5.0	<	2.5	<	1.0	
trans-1,2-Dichloroethene	100	50	ug/L	11	5.0	<	2.5	<	1.0	
cis-1,2-Dichloroethene	70	35	ug/L	1400	5.0	200	2.5	6.2	1.0	
1,1,1-Trichloroethene	200	100	ug/L	<	5.0	<	2.5	<	1.0	
Trichloroethene	5	2.5	ug/L	<	5.0	<	2.5	<	1.0	
Tetrachloroethene	5	2.5	ug/L	<	5.0	<	2.5	<	1.0	
Ethylbenzene	700	350	ug/L	<	5.0	<	2.5	1.2	1.0	
m&p-Xylene	NS	NS	ug/L	<	10	<	5.0	<	2.0	
o-Xylene	NS	NS	ug/L	<	5.0	<	2.5	1.8	1.0	
Total Xylenes	1000	500	ug/L	<	10	<	5.0	1.8	2.0	
2-Chlorotoluene	NS	NS	ug/L	<	5.0	<	2.5	1.3	1.0	
N-Propylbenzene	NS	NS	ug/L	<	5.0	<	2.5	<	1.0	
sec-Butylbenzene	NS	NS	ug/L	<	5.0	<	2.5	<	1.0	
TOTAL PETROLEUM HYDROCARBON										
Hydrocarbon Content	NS	NS	ug/L	350	200	NT	NT	NT	NT	
FIELD PARAMETERS										
pH	NS	NS	SU	4.0	5.0	5.0	5.0	5.5		
CONDUCTIVITY	NS	NS	mS/cm	0.900	0.492	0.700				
TURBIDITY	NS	NS	NTU	5	30	270				
DISSOLVED OXYGEN	NS	NS	mg/L	0.0	0.0	0.6				
TEMPERATURE	NS	NS	°C	12.0	11.1	17.6				
ORP	NS	NS	mV	-47	-71	-112				

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALS EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 7
RIZ-5
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

RIZ-5 Shallow aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
				Baseline 1/2/2008		04/01/2008		07/07/2008			
				Result	Limit	Result	Limit	Result	Limit		
VOLATILE ORGANICS											
	Vinyl Chloride	1	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	1,1-Dichloroethene	3.5	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	trans-1,2-Dichloroethene	50	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	cis-1,2-Dichloroethene	35	ug/L	2.9	1.0	<	1.0	<	1.0	<	1.0
	1,1,1-Trichloroethene	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	2.5	ug/L	2.4	1.0	<	1.0	<	1.0	<	1.0
	Tetrachloroethene	2.5	ug/L	5.3	1.0	<	1.0	<	1.0	<	1.0
	Ethylbenzene	350	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	m&p-Xylene	NS	ug/L	<	2.0	<	2.0	<	2.0	<	2.0
	o-Xylene	NS	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Total Xylenes	500	ug/L	<	2.0	<	2.0	<	2.0	<	2.0
	2-Chlorotoluene	NS	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	N-Propylbenzene	NS	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	sec-Butylbenzene	NS	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	TOTAL PETROLEUM HYDROCARBON		ug/L	<	200						
Mod. EPA 8100	Hydrocarbon Content	NS	ug/L	<	200						
FIELD PARAMETERS											
	pH	NS	SU	4.0	5.0	5.0	5.6				
	CONDUCTIVITY	NS	mS/cm	0.465	0.919	0.919	0.181				
	TURBIDITY	NS	NTU	64	110	110	713				
	DISSOLVED OXYGEN	NS	mg/L	0.0	7.0	7.0	7.4				
	TEMPERATURE	NS	°C	14.7	13.5	13.5	14.2				
	ORP	NS	mV	26	135	135	140				

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 8
GZ-20

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMF
Charbert Facility
Richmond, Rhode Island

GZ-20 Deep Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
				Baseline 1/2/2008		04/01/2008		07/07/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
	2	1	ug/L	1.2	1.0	1.3	1.0	<	5.0
Vinyl Chloride									
1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	5.0
trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	1.0	<	5.0
cis-1,2-Dichloroethene	70	35	ug/L	52	1.0	64	1.0	120	5.0
1,1,1-Trichloroethene	200	100	ug/L	<	1.0	<	1.0	<	5.0
Trichloroethene	5	2.5	ug/L	52	1.0	60	1.0	99	5.0
Tetrachloroethene	5	2.5	ug/L	89	1.0	130	1.0	230	5.0
Ethylbenzene	700	350	ug/L	<	1.0	<	1.0	<	5.0
m&p-Xylene	NS	NS	ug/L	<	2.0	<	2.0	<	10
o-Xylene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0
Total Xylenes	1000	500	ug/L	<	2.0	<	2.0	<	10
2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0
N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0
sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0
FIELD PARAMETERS									
pH	NS	NS	SU	4.0	5.0	5.0	5.0	5.4	
CONDUCTIVITY	NS	NS	mS/cm	0.346	0.220	0.220	0.124	0.124	
TURBIDITY	NS	NS	NTU	280	165	165	585	585	
DISSOLVED OXYGEN	NS	NS	mg/L	0.0	0.0	0.0	0.6	0.6	
TEMPERATURE	NS	NS	°C	15.3	14.6	14.6	15.0	15.0	
ORP	NS	NS	mV	8	-38	-38	66	66	

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 9
RIZ-1
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

Shallow Aquifer Background Monitoring Well EPA 8260	RIZ-1	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date					
					Baseline 1/2/2008		04/01/2008		07/07/2008	
					Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS										
		Vinyl Chloride	1	ug/L	<	1.0	NT	<	1.0	
		1,1-Dichloroethene	3.5	ug/L	<	1.0	NT	<	1.0	
		trans-1,2-Dichloroethene	50	ug/L	<	1.0	NT	<	1.0	
		cis-1,2-Dichloroethene	35	ug/L	<	1.0	NT	<	1.0	
		1,1,1-Trichloroethene	100	ug/L	<	1.0	NT	<	1.0	
		Trichloroethene	2.5	ug/L	<	1.0	NT	<	1.0	
		Tetrachloroethene	2.5	ug/L	<	1.0	NT	<	1.0	
		Ethylbenzene	350	ug/L	<	1.0	NT	<	1.0	
		m&p-Xylene	NS	ug/L	<	2.0	NT	<	2.0	
		o-Xylene	NS	ug/L	<	1.0	NT	<	1.0	
		Total Xylenes	500	ug/L	<	2.0	NT	<	2.0	
		2-Chlorotoluene	NS	ug/L	<	1.0	NT	<	1.0	
		N-Propylbenzene	NS	ug/L	<	1.0	NT	<	1.0	
		sec-Butylbenzene	NS	ug/L	<	1.0	NT	<	1.0	
Mod. EPA 8100		TOTAL PETROLEUM HYDROCARBON								
		Hydrocarbon Content	NS	ug/L	<	200	NT	<	NT	
		FIELD PARAMETERS								
		pH	NS	SU	4.0		NT		NT	
		CONDUCTIVITY	NS	mS/cm	0.912		NT		NT	
		TURBIDITY	NS	NTU	5		NT		NT	
		DISSOLVED OXYGEN	NS	mg/L	4.0		NT		NT	
		TEMPERATURE	NS	°C	13.5		NT		NT	
		ORP	NS	mV	256		NT		NT	

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 10
GP-26

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMF
Charbert Facility
Richmond, Rhode Island

GP-26 Shallow Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALS	Units	Date						
				Baseline 1/2/2008		04/01/2008		07/07/2008		
				Result	Limit	Result	Limit	Result	Limit	
VOLATILE ORGANICS										
	Vinyl Chloride	1	ug/L	530	25	100	1.0	100	5.0	5.0
	1,1-Dichloroethene	3.5	ug/L	<	25	1.1	1.0	<	5.0	5.0
	trans-1,2-Dichloroethene	50	ug/L	70	25	20	1.0	<	5.0	5.0
	cis-1,2-Dichloroethene	35	ug/L	6800	25	2100	1.0	160	5.0	5.0
	1,1,1-Trichloroethene	100	ug/L	<	25	<	1.0	<	5.0	5.0
	Trichloroethene	2.5	ug/L	1200	25	2500	1.0	82	5.0	5.0
	Tetrachloroethene	2.5	ug/L	1800	25	4100	1.0	330	5.0	5.0
	Ethylbenzene	350	ug/L	<	25	<	1.0	<	5.0	5.0
	m&p-Xylene	NS	ug/L	<	50	<	2.0	<	10	10
	o-Xylene	NS	ug/L	<	25	1.3	1.0	<	5.0	5.0
	Total Xylenes	500	ug/L	<	50	1.3	2.0	<	10	10
	2-Chlorotoluene	NS	ug/L	<	25	<	1.0	<	5.0	5.0
	N-Propylbenzene	NS	ug/L	<	25	<	1.0	<	5.0	5.0
	sec-Butylbenzene	NS	ug/L	<	25	<	1.0	<	5.0	5.0
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON									
	Hydrocarbon Content	NS	ug/L	800	200	NT	NT	NT	NT	NT
FIELD PARAMETERS										
	pH	NS	SU	4.0	6.0	6.0	5.3	5.3	5.3	5.3
	CONDUCTIVITY	NS	mS/cm	3.00	3.49	3.49	0.462	0.462	0.462	0.462
	TURBIDITY	NS	NTU	5	1	1	51	51	51	51
	DISSOLVED OXYGEN	NS	mg/L	0.0	0.0	0.0	0.3	0.3	0.3	0.3
	TEMPERATURE	NS	°C	13.9	12.5	12.5	14.6	14.6	14.6	14.6
	ORP	NS	mV	31	61	61	-40	-40	-40	-40

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALS EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 11
GZ-7

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-7 Deep Aquifer Monitoring well EPA 8260	RIDE M GA Groundwater Objectives	RIDE M Groundwater Quality PALS	Units	Date			
				Baseline 1/2/2008	04/01/2008		
				Result	Limit		
VOLATILE ORGANICS							
Vinyl Chloride	2	1	ug/L	< 1.0	< 1.0	1.3	1.0
1,1-Dichloroethene	7	3.5	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	100	50	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	70	35	ug/L	< 1.0	13	1.0	140
1,1,1-Trichloroethene	200	100	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	5	2.5	ug/L	< 1.0	74	1.0	140
Tetrachloroethene	5	2.5	ug/L	< 1.0	26	1.0	15
Ethylbenzene	700	350	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
m&p-Xylene	NS	NS	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
o-Xylene	NS	NS	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
Total Xylenes	1000	500	ug/L	< 2.0	< 2.0	< 2.0	< 2.0
2-Chlorotoluene	NS	NS	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
N-Propylbenzene	NS	NS	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
sec-Butylbenzene	NS	NS	ug/L	< 1.0	< 1.0	< 1.0	< 1.0
FIELD PARAMETERS							
pH	NS	NS	SU	4.0	5.0	5.5	5.5
CONDUCTIVITY	NS	NS	mS/cm	0.223	0.359	0.226	0.226
TURBIDITY	NS	NS	NTU	5	5	17	17
DISSOLVED OXYGEN	NS	NS	mg/L	0.0	0.0	1.0	1.0
TEMPERATURE	NS	NS	°C	14.5	14.3	13.9	13.9
ORP	NS	NS	mV	-8	-55	-80	-80

Notes:

PAL = RIDE M's Preventative Action Limit

RIDE M GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALS EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 13
GZ-3

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-3 Deep Aquifer Monitoring Well EPA 8260	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date			
				Baseline 1/2/2008	04/01/2008		
				Result	Limit		
VOLATILE ORGANICS							
Vinyl Chloride	2	1	ug/L	< 1.0	< 1.0	3.1	1.0
1,1-Dichloroethene	7	3.5	ug/L	< 1.0	< 1.0	<	1.0
trans-1,2-Dichloroethene	100	50	ug/L	< 1.0	< 1.0	<	1.0
cis-1,2-Dichloroethene	70	35	ug/L	9.3	1.0	16	65
1,1,1-Trichloroethene	200	100	ug/L	< 1.0	< 1.0	<	1.0
Trichloroethene	5	2.5	ug/L	10	1.0	17	91
Tetrachloroethene	5	2.5	ug/L	12	1.0	22	440
Ethylbenzene	700	350	ug/L	< 1.0	< 1.0	<	1.0
m&p-Xylene	NS	NS	ug/L	< 2.0	< 2.0	<	2.0
o-Xylene	NS	NS	ug/L	< 1.0	< 1.0	<	1.0
Total Xylenes	1000	500	ug/L	< 2.0	< 2.0	<	2.0
2-Chlorotoluene	NS	NS	ug/L	< 1.0	< 1.0	<	1.0
N-Propylbenzene	NS	NS	ug/L	< 1.0	< 1.0	<	1.0
sec-Butylbenzene	NS	NS	ug/L	< 1.0	< 1.0	<	1.0
FIELD PARAMETERS							
pH	NS	NS	SU	4.0	5.0	5.1	
CONDUCTIVITY	NS	NS	mS/cm	0.339	0.392	0.206	
TURBIDITY	NS	NS	NTU	5	5	34	
DISSOLVED OXYGEN	NS	NS	mg/L	0.0	0.0	0.7	
TEMPERATURE	NS	NS	°C	15.4	15.4	14.8	
ORP	NS	NS	mV	-15	8	-22	

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALs EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 13
RIZ-13

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMF
Charbert Facility
Richmond, Rhode Island

Shallow Aquifer Monitoring Well EPA 8260	RIZ-13	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALS	Units	Date					
					Baseline 1/2/2008		04/01/2008		07/07/2008	
					Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS										
Vinyl Chloride		2	1	ug/L	4.4	1.0	<	1.0	<	1.0
1,1-Dichloroethene		7	3.5	ug/L	<	1.0	<	1.0	<	1.0
trans-1,2-Dichloroethene		100	50	ug/L	<	1.0	<	1.0	<	1.0
cis-1,2-Dichloroethene		70	35	ug/L	6.6	1.0	<	1.0	<	1.0
1,1,1-Trichloroethene		200	100	ug/L	<	1.0	<	1.0	<	1.0
Trichloroethene		5	2.5	ug/L	5.6	1.0	<	1.0	<	1.0
Tetrachloroethene		5	2.5	ug/L	6.9	1.0	<	1.0	<	1.0
Ethylbenzene		700	350	ug/L	<	1.0	<	1.0	<	1.0
m&p-Xylene		NS	NS	ug/L	<	2.0	<	2.0	<	2.0
o-Xylene		NS	NS	ug/L	<	1.0	<	1.0	<	1.0
Total Xylenes		1000	500	ug/L	<	2.0	<	2.0	<	2.0
2-Chlorotoluene		NS	NS	ug/L	<	1.0	<	1.0	<	1.0
N-Propylbenzene		NS	NS	ug/L	<	1.0	<	1.0	<	1.0
sec-Butylbenzene		NS	NS	ug/L	<	1.0	<	1.0	<	1.0
TOTAL PETROLEUM HYDROCARBON										
Hydrocarbon Content		NS	NS	ug/L	<	200	NT	NT	NT	NT
FIELD PARAMETERS										
pH		NS	NS	SU	5.0	6.0	6.0	4.8		
CONDUCTIVITY		NS	NS	mS/cm	0.392	0.900	0.900	0.773		
TURBIDITY		NS	NS	NTU	3	5	5	208		
DISSOLVED OXYGEN		NS	NS	mg/L	1.0	10.0	10.0	12.0		
TEMPERATURE		NS	NS	°C	14.8	14.8	14.8	15.6		
ORP		NS	NS	mV	28	56	56	34		

Notes:

PAL = RIDEMs Preventative Action Limit

RIDEM GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALS EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

NT = NOT TESTED

TABLE 14
RIZ-6

DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

Shallow Aquifer Background Monitoring Well EPA 8260	RIZ-6	RIDE M GA Groundwater Objectives	RIDE M Groundwater Quality PALS	Units	Date	
					Baseline 1/2/2008	04/01/2008
					Result Limit	Result Limit
VOLATILE ORGANICS						
Vinyl Chloride		2	1	ug/L	< 1.0	NT
1,1-Dichloroethene		7	3.5	ug/L	< 1.0	NT
trans-1,2-Dichloroethene		100	50	ug/L	< 1.0	NT
cis-1,2-Dichloroethene		70	35	ug/L	< 1.0	NT
1,1,1-Trichloroethene		200	100	ug/L	< 1.0	NT
Trichloroethene		5	2.5	ug/L	< 1.0	NT
Tetrachloroethene		5	2.5	ug/L	< 1.0	NT
Ethylbenzene		700	350	ug/L	< 1.0	NT
m&p-Xylene		NS	NS	ug/L	< 2.0	NT
o-Xylene		NS	NS	ug/L	< 1.0	NT
Total Xylenes		1000	500	ug/L	< 2.0	NT
2-Chlorotoluene		NS	NS	ug/L	< 1.0	NT
N-Propylbenzene		NS	NS	ug/L	< 1.0	NT
sec-Butylbenzene		NS	NS	ug/L	< 1.0	NT
TOTAL PETROLEUM HYDROCARBON						
Hydrocarbon Content		NS	NS	ug/L	< 200	NT
FIELD PARAMETERS						
pH		NS	NS	SU	4.0	NT
CONDUCTIVITY		NS	NS	mS/cm	0.312	NT
TURBIDITY		NS	NS	NTU	5	NT
DISSOLVED OXYGEN		NS	NS	mg/L	0.0	NT
TEMPERATURE		NS	NS	°C	14.1	NT
ORP		NS	NS	mV	-28	NT

Notes:

PAL = RIDE M's Preventative Action Limit

RIDE M GA EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED GREEN

PALS EXCEEDANCES ARE IN BOLD AND HIGHLIGHTED BLUE

ND = NO DETECTS

NS = NO STANDARD

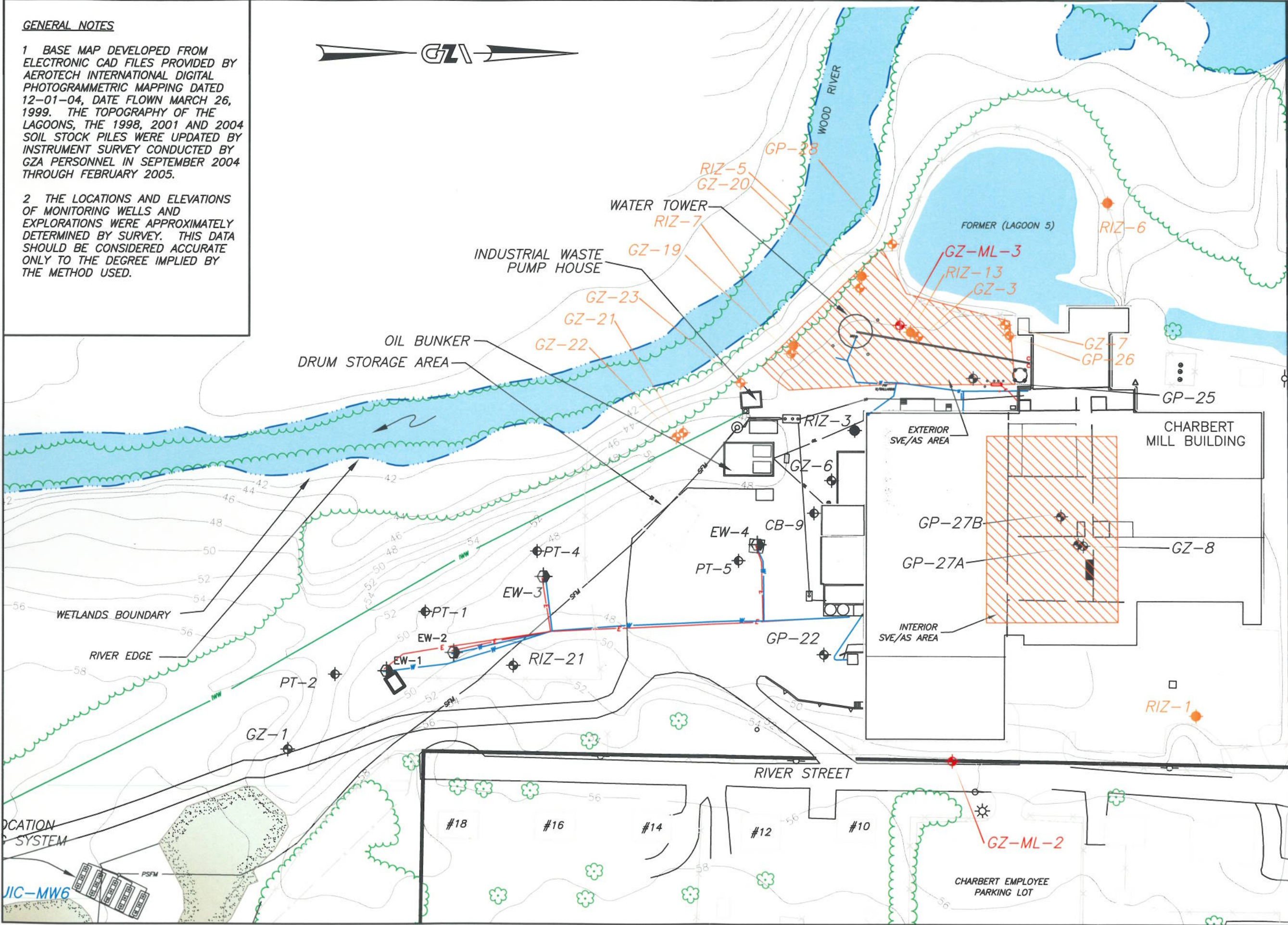
NT = NOT TESTED

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GENERAL NOTES

1 BASE MAP DEVELOPED FROM ELECTRONIC CAD FILES PROVIDED BY AEROTECH INTERNATIONAL DIGITAL PHOTOGRAMMETRIC MAPPING DATED 12-01-04, DATE FLOWN MARCH 26, 1999. THE TOPOGRAPHY OF THE LAGOONS, THE 1998, 2001 AND 2004 SOIL STOCK PILES WERE UPDATED BY INSTRUMENT SURVEY CONDUCTED BY GZA PERSONNEL IN SEPTEMBER 2004 THROUGH FEBRUARY 2005.

2 THE LOCATIONS AND ELEVATIONS OF MONITORING WELLS AND EXPLORATIONS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.



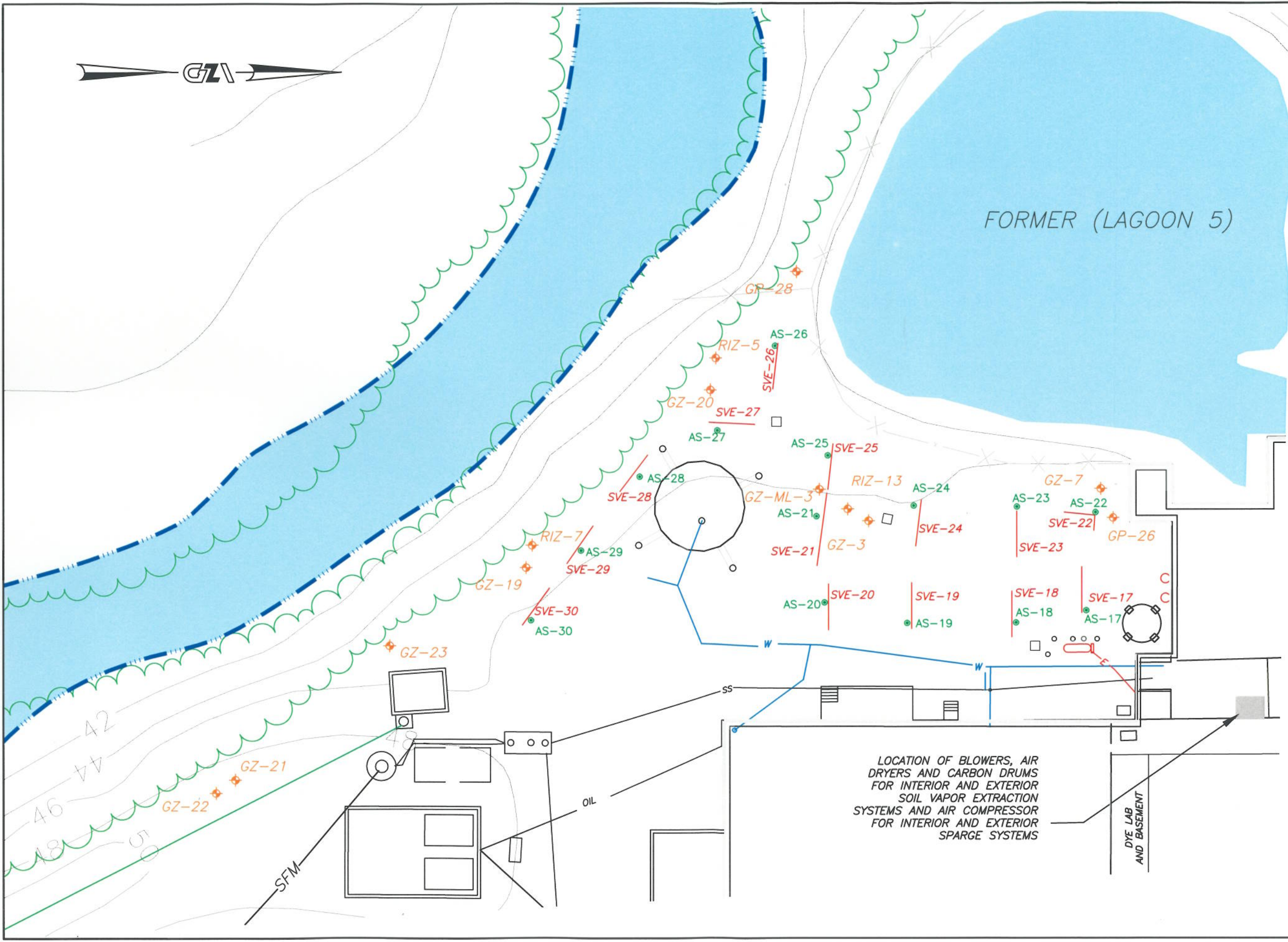
REV. NO.	DESCRIPTION	BY	DATE
JOB NO. 32795.29		PROJ MGR: SMA DESIGNED BY: SMA REVIEWED BY: EAS	OPERATOR: DL DATE: AUG., 2008
FIGURE NO. 1		GZA GeoEnvironmental, Inc. Engineers and Scientists 530 BROADWAY PROVIDENCE, RI 02909 (401) 421-4140 (401) 751-8613	

**CHARBERT FACILITY
ALTON, RHODE ISLAND**

**INTERIM COMPLIANCE MONITORING REPORT
MONITORING WELL LOCATIONS**



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LOCATION OF BLOWERS, AIR DRYERS AND CARBON DRUMS FOR INTERIOR AND EXTERIOR SOIL VAPOR EXTRACTION SYSTEMS AND AIR COMPRESSOR FOR INTERIOR AND EXTERIOR SPARGE SYSTEMS

**CHARBERT FACILITY
ALTON, RHODE ISLAND**

**INTERIM COMPLIANCE MONITORING REPORT
EXTERIOR AS-SVE SYSTEM**

JOB NO.
32795.29

FIGURE NO.
3

REV. NO.	DESCRIPTION	BY	DATE

PROJ MGR: SMA
DESIGNED BY: SMA
REVIEWED BY: EAS

OPERATOR: DL
DATE: AUG., 2008



GZA
GeoEnvironmental, Inc.
Engineers and Scientists
530 BROADWAY
PROVIDENCE, RI 02909

ATTACHMENT A

LIMITATIONS

GEOHYDROLOGICAL LIMITATIONS

1. The conclusions and recommendations submitted in this report are based in part upon the data obtained from a limited number of soil samples from widely spaced subsurface explorations. The nature and extent of variations between these explorations may not become evident until further investigation. If variations or other latent conditions then appear evident, it will be necessary to reevaluate the recommendations of this report.
2. The generalized soil profile described in the text is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples; actual soil transitions are probably more gradual. For specific information, refer to the boring logs.
3. Water level readings have been made in the test pits, borings and/or observation wells at times and under conditions stated on the exploration logs. These data have been reviewed and interpretations have been made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall and other factors different from those prevailing at the time measurements were made.
4. The conclusions and recommendations contained in this report are based in part upon various types of chemical data and are contingent upon their validity. These data have been reviewed and interpretations made in the report. As indicated within the report, some of these data are preliminary "screening" level data, and should be confirmed with quantitative analyses if more specific information is necessary. Moreover, it should be noted that variations in the types and concentrations of contaminants and variations in their flow paths may occur due to seasonal water table fluctuations, past disposal practices, the passage of time, and other factors. Should additional chemical data become available in the future, these data should be reviewed by GZA, and the conclusions and recommendations presented therein modified accordingly.
5. Chemical analyses have been performed for specific parameters during the course of this study, as detailed in the text. It must be noted that additional constituents not searched for during the current study may be present in soil and groundwater at the site.
6. It is recommended that this firm be retained to provide further engineering services during design, implementation, and/or construction of any remedial measures, if necessary. This is to observe compliance with the concepts and recommendations contained herein and to allow design changes in the event that subsurface conditions differ from those anticipated.

ATTACHMENT B

LABORATORY CERTIFICATES OF ANALYSIS



GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

Laboratory Identification Numbers:
MA and ME: MA092 NH: 2028
CT: PH0579 RI: LAO00236
NELAC - NYS DOH: 11063

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Project No.: 03.0032795.29
Work Order No.: 0807-00045
Date Received: 07/09/2008
Date Reported: 07/23/2008

Stephen Andrus

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
07/07/2008	Aqueous	0807-00045 001	GZ - 23
07/07/2008	Aqueous	0807-00045 002	GP - 28
07/07/2008	Aqueous	0807-00045 003	GZ - 22
07/07/2008	Aqueous	0807-00045 004	GP - 22
07/07/2008	Aqueous	0807-00045 005	GZ - 3
07/07/2008	Aqueous	0807-00045 006	RIZ - 1
07/07/2008	Aqueous	0807-00045 007	RIZ - 5
07/07/2008	Aqueous	0807-00045 008	RIZ - 14
07/07/2008	Aqueous	0807-00045 009	GZ - 1
07/07/2008	Aqueous	0807-00045 010	GZ - 19
07/07/2008	Aqueous	0807-00045 011	RIZ - 7
07/07/2008	Aqueous	0807-00045 012	RIZ - 13
07/07/2008	Aqueous	0807-00045 013	GZ - 20
07/07/2008	Aqueous	0807-00045 014	RIZ - 21
07/07/2008	Aqueous	0807-00045 015	GZ - 7
07/07/2008	Aqueous	0807-00045 016	GP - 26
07/07/2008	Aqueous	0807-00045 017	GZ - 21
07/07/2008	Aqueous	0807-00045 018	Trip Blank

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GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 07/09/08 via GZA courier, EC, FEDEX, or hand delivered. The temperature of the temperature blank/ cooler air, was 4.8 degrees C. The temperature requirement for most analyses is above freezing to 6 degrees C. The samples were received intact for all requested analyses.

The chain of custody indicates that the samples, when required, were chemically preserved in accordance with the method they reference.

2. EPA Method 8260 - VOCs

The percent recoveries for the surrogates in the diluted runs are as follows:

GZ-3: 1,2- Dichloroethane-D4 - 76.5%, Toluene-D8 - 97.6%, 4-Bromofluorobenzene - 91.3%
RIZ-7: 1,2- Dichloroethane-D4 - 80.2%, Toluene-D8 - 100%, 4-Bromofluorobenzene - 88.0%

Attach QC 8260 07/16/08 #2 S - Aqueous
Attach QC 8260 07/16/08 S - Aqueous
Attach QC 8260 07/17/08 S - Aqueous
Attach QC 8260 07/21/08 S - Aqueous



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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

Project Name.: **Charbert ICMP**
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Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Data Authorized By:

NELAC certification, as indicated by the NELAC Lab ID Number, is per analyte. For a complete list of NELAC validated analytes, please contact the laboratory.

Abbreviations:

% R = % Recovery
DF = Dilution Factor
DFS = Dilution Factor Solids
CF = Calculation Factor
DO = Diluted Out

Method Key:

Method 8260: The current version of the method is 8260B.
Method 8021: The current version of the method is 8021B.
Method 8270: The current version of the method is 8270C.
Method 6010: The current version of the method is 6010B.

Please note that the laboratory signed copy of the chain of custody record is an integral part of the data report.

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Soil data is reported on a dry weight basis unless otherwise specified.
Matrix Spike / Matrix Spike Duplicate sets are performed as per method and are reported at the end of the analytical report if assigned on the Chain of Custody.



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 23**

Sample No.: **001**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	6.5	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	27	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	59	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 23**

Sample No.: **001**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	92.8	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	95.6	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	104	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GP - 28**

Sample No.: **002**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/18/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/18/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/18/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/18/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
cis-1,2-Dichloroethene	EPA 8260	6.2	ug/L	MQS	07/18/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/18/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/18/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/18/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GP - 28**

Sample No.: **002**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Ethylbenzene	EPA 8260	1.2	ug/L	MQS	07/18/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
o-Xylene	EPA 8260	1.8	ug/L	MQS	07/18/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
2-Chlorotoluene	EPA 8260	1.3	ug/L	MQS	07/18/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	74.7	% R	MQS	07/18/2008
***Toluene-D8	EPA 8260	96.8	% R	MQS	07/18/2008
***4-Bromofluorobenzene	EPA 8260	90.2	% R	MQS	07/18/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/18/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 22**

Sample No.: **003**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	86	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 22**

Sample No.: **003**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	96.6	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	92.9	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	107	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GP - 22**

Sample No.: **004**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GP - 22**

Sample No.: **004**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	90.3	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	93.7	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	107	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GZ - 3**

Sample No.: **005**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	3.1	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	65	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	91	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	440	ug/L	MQS	07/18/2008



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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 3**

Sample No.: **005**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	90.9	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	94.4	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	103	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 1**

Sample No.: **006**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: Charbert ICMP
Project No.: 03.0032795.29

Date Received: 07/09/2008
Date Reported: 07/23/2008
Work Order No.: 0807-00045

Sample ID: RIZ - 1

Sample No.: 006

Sample Date: 07/07/2008

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	93.5	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	95.3	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	100	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 5**

Sample No.: **007**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 5**

Sample No.: **007**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	94.7	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	93.5	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	99.8	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 14**

Sample No.: **008**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	4.4	ug/L	MQS	07/16/2008



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Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 14**

Sample No.: **008**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	92.8	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	96.2	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	101	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/15/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 1**

Sample No.: **009**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	20	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	4.2	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	1.2	ug/L	MQS	07/16/2008



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Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 1**

Sample No.: **009**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	4.2	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	95.8	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	95.9	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	102	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 19**

Sample No.: **010**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/18/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Vinyl Chloride	EPA 8260	85	ug/L	MQS	07/18/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/18/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/18/2008
trans-1,2-Dichloroethene	EPA 8260	3.1	ug/L	MQS	07/18/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/18/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
cis-1,2-Dichloroethene	EPA 8260	41	ug/L	MQS	07/18/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/18/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/18/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/18/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Tetrachloroethene	EPA 8260	7.0	ug/L	MQS	07/18/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 19**

Sample No.: **010**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Ethylbenzene	EPA 8260	2.8	ug/L	MQS	07/18/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
o-Xylene	EPA 8260	3.2	ug/L	MQS	07/18/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/18/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
N-Propylbenzene	EPA 8260	1.0	ug/L	MQS	07/18/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
sec-Butylbenzene	EPA 8260	1.0	ug/L	MQS	07/18/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/18/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/18/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	76.4	% R	MQS	07/18/2008
***Toluene-D8	EPA 8260	98.8	% R	MQS	07/18/2008
***4-Bromofluorobenzene	EPA 8260	93.7	% R	MQS	07/18/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/17/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 7**

Sample No.: **011**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<13	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<63	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<2.5	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<63	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	4.2	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	9.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	200	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<63	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<63	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	19000	ug/L	MQS	07/21/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **RIZ - 7**

Sample No.: **011**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<13	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<2.5	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	87.1	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	99.1	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	105	% R	MQS	07/16/2008
Preparation	EPA 5030B	2.5	CF	MQS	07/16/2008



ANALYTICAL REPORT

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140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 13**

Sample No.: **012**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008



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140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
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Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 13**

Sample No.: **012**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	98.8	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	101	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	101	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

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Work Order No.: **0807-00045**

Sample ID: **GZ - 20**

Sample No.: **013**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<10	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<10	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<10	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<10	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<25	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<130	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<10	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<130	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	120	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<50	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	99	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<130	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<130	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	230	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GZ - 20**

Sample No.: **013**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<10	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<10	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<10	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<25	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<10	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	88.2	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	98.4	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	100	% R	MQS	07/16/2008
Preparation	EPA 5030B	5.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **RIZ - 21**

Sample No.: **014**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/16/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/16/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/16/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/16/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/16/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/16/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/16/2008



ANALYTICAL REPORT

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Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **RIZ - 21**

Sample No.: **014**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/16/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/16/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/16/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/16/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	97.5	% R	MQS	07/16/2008
***Toluene-D8	EPA 8260	100	% R	MQS	07/16/2008
***4-Bromofluorobenzene	EPA 8260	98.3	% R	MQS	07/16/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 7**

Sample No.: **015**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/17/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Vinyl Chloride	EPA 8260	1.3	ug/L	MQS	07/17/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/17/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/17/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
cis-1,2-Dichloroethene	EPA 8260	140	ug/L	MQS	07/17/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/17/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichloroethene	EPA 8260	140	ug/L	MQS	07/17/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/17/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrachloroethene	EPA 8260	15	ug/L	MQS	07/17/2008



ANALYTICAL REPORT

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Project Name.: **Charbert ICMP**
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Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GZ - 7**

Sample No.: **015**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/17/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	90.9	% R	MQS	07/17/2008
***Toluene-D8	EPA 8260	101	% R	MQS	07/17/2008
***4-Bromofluorobenzene	EPA 8260	97.7	% R	MQS	07/17/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert ICMP**
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Work Order No.: **0807-00045**

Sample ID: **GP - 26**

Sample No.: **016**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/18/2008
Dichlorodifluoromethane	EPA 8260	<10	ug/L	MQS	07/18/2008
Chloromethane	EPA 8260	<10	ug/L	MQS	07/18/2008
Vinyl Chloride	EPA 8260	100	ug/L	MQS	07/18/2008
Bromomethane	EPA 8260	<10	ug/L	MQS	07/18/2008
Chloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Trichlorofluoromethane	EPA 8260	<10	ug/L	MQS	07/18/2008
Diethylether	EPA 8260	<25	ug/L	MQS	07/18/2008
Acetone	EPA 8260	<130	ug/L	MQS	07/18/2008
1,1-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Dichloromethane	EPA 8260	<10	ug/L	MQS	07/18/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<5.0	ug/L	MQS	07/18/2008
trans-1,2-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,1-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
2-Butanone	EPA 8260	<130	ug/L	MQS	07/18/2008
2,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
cis-1,2-Dichloroethene	EPA 8260	160	ug/L	MQS	07/18/2008
Chloroform	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Bromochloromethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Tetrahydrofuran	EPA 8260	<50	ug/L	MQS	07/18/2008
1,1,1-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,1-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Carbon Tetrachloride	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Benzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Trichloroethene	EPA 8260	82	ug/L	MQS	07/18/2008
1,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Bromodichloromethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Dibromomethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
4-Methyl-2-Pentanone	EPA 8260	<130	ug/L	MQS	07/18/2008
cis-1,3-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Toluene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
trans-1,3-Dichloropropene	EPA 8260	<10	ug/L	MQS	07/18/2008
1,1,2-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
2-Hexanone	EPA 8260	<130	ug/L	MQS	07/18/2008
1,3-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Tetrachloroethene	EPA 8260	330	ug/L	MQS	07/18/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GP - 26**

Sample No.: **016**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2-Dibromoethane (EDB)	EPA 8260	<10	ug/L	MQS	07/18/2008
Chlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Ethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
m&p-Xylene	EPA 8260	<10	ug/L	MQS	07/18/2008
o-Xylene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Styrene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Bromoform	EPA 8260	<10	ug/L	MQS	07/18/2008
Isopropylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2,3-Trichloropropane	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Bromobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
N-Propylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
2-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,3,5-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
4-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
tert-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2,4-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
sec-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
p-Isopropyltoluene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,3-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,4-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
n-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<25	ug/L	MQS	07/18/2008
1,2,4-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Hexachlorobutadiene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Naphthalene	EPA 8260	<10	ug/L	MQS	07/18/2008
1,2,3-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	07/18/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	71.6	% R	MQS	07/18/2008
***Toluene-D8	EPA 8260	96.7	% R	MQS	07/18/2008
***4-Bromofluorobenzene	EPA 8260	91.8	% R	MQS	07/18/2008
Preparation	EPA 5030B	5.0	CF	MQS	07/17/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **GZ - 21**

Sample No.: **017**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/17/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Vinyl Chloride	EPA 8260	2.8	ug/L	MQS	07/17/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/17/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/17/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
cis-1,2-Dichloroethene	EPA 8260	7.7	ug/L	MQS	07/17/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/17/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichloroethene	EPA 8260	2.3	ug/L	MQS	07/17/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/17/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrachloroethene	EPA 8260	7.6	ug/L	MQS	07/17/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **GZ - 21**

Sample No.: **017**

Sample Date: **07/07/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/17/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	92.8	% R	MQS	07/17/2008
***Toluene-D8	EPA 8260	99.6	% R	MQS	07/17/2008
***4-Bromofluorobenzene	EPA 8260	99.6	% R	MQS	07/17/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert ICMP**
Project No.: **03.0032795.29**

Date Received: **07/09/2008**
Date Reported: **07/23/2008**
Work Order No.: **0807-00045**

Sample ID: **Trip Blank**
Sample Date: **07/07/2008**

Sample No.: **018**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	07/17/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	07/17/2008
Acetone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	07/17/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	07/17/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	07/17/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	07/17/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	07/17/2008



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Stephen Andrus

Project Name.: **Charbert ICMP**
 Project No.: **03.0032795.29**

Date Received: **07/09/2008**
 Date Reported: **07/23/2008**
 Work Order No.: **0807-00045**

Sample ID: **Trip Blank**
 Sample Date: **07/07/2008**

Sample No.: **018**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	07/17/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	07/17/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	07/17/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	07/17/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	93.6	% R	MQS	07/17/2008
***Toluene-D8	EPA 8260	101	% R	MQS	07/17/2008
***4-Bromofluorobenzene	EPA 8260	97.8	% R	MQS	07/17/2008
Preparation	EPA 5030B	1.0	CF	MQS	07/16/2008

EPA Method 8260 / 524.2 Aqueous Method Blank (MB) and Laboratory Control Sample/Duplicate (LCS/LCSD) Data

Method Blank

Laboratory Control Sample

Laboratory Control Sample Duplicate

Date Analyzed:

7/16/2008

Date Analyzed:

7/16/2008

Date Analyzed:

7/16/2008

Volatile Organics

Conc. ug/L

Acceptance Limit

Spiked Concentration = 20ug/L

% Recovery

Acceptance Limits

Verdict

% Recovery

Acceptance Limits

Verdict

RPD

Limit

Verdict

Method Blank	7/16/2008	Acceptance Limit	Laboratory Control Sample	7/16/2008	Acceptance Limits	Verdict	Laboratory Control Sample Duplicate	7/16/2008	Acceptance Limits	Verdict	RPD	Limit	Verdict
dichlorodifluoromethane	< 1.0	< 1.0	dichlorodifluoromethane	85.4	70-130	ok	dichlorodifluoromethane	89.7	70-130	ok	4.82	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	96.0	70-130	ok	chloromethane	99.2	70-130	ok	3.28	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	96.0	80-120	ok	vinyl chloride	102	80-120	ok	8.19	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	86.7	70-130	ok	bromomethane	96.2	70-130	ok	7.06	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	95.8	70-130	ok	chloroethane	99.4	70-130	ok	3.89	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	109	70-130	ok	trichlorofluoromethane	103	70-130	ok	5.99	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	101	70-130	ok	diethyl ether	111	70-130	ok	8.57	<25	ok
acetone	< 13	< 13	acetone	124	70-130	ok	acetone	122	70-130	ok	1.95	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	98.2	80-120	ok	1,1-dichloroethene	106	80-120	ok	7.83	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	115	70-130	ok	FREON-113	124	70-130	ok	8.84	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	109	70-130	ok	iodomethane	119	70-130	ok	8.50	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	79.9	70-130	ok	carbon disulfide	87.8	70-130	ok	9.23	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	94.4	70-130	ok	dichloromethane	101	70-130	ok	6.78	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	97.0	70-130	ok	tert-butyl alcohol (TBA)	94.6	70-130	ok	2.30	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	0.19	70-130	out	acrylonitrile	0.19	70-130	out	1.45	<25	out
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	103	70-130	ok	methyl-tert-butyl-ether	105	70-130	ok	2.24	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	97.8	70-130	ok	trans-1,2-dichloroethene	104	70-130	ok	6.52	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	97.2	70-130	ok	1,1-dichloroethane	98.6	70-130	ok	1.43	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	94.7	70-130	ok	di-isopropyl ether (DIPE)	99.8	70-130	ok	5.28	<25	ok
ethyl tert-butyl ether (ETBE)	< 1.0	< 1.0	ethyl tert-butyl ether (ETBE)	100.0	70-130	ok	ethyl tert-butyl ether (ETBE)	98.4	70-130	ok	1.59	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	102	70-130	ok	vinyl acetate	104	70-130	ok	2.57	<25	ok
2-butanone	< 13	< 13	2-butanone	119	70-130	ok	2-butanone	126	70-130	ok	5.98	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	117	70-130	ok	2,2-dichloropropane	106	70-130	ok	9.49	<25	ok
cis-1,2-dichloroethane	< 0.5	< 0.5	cis-1,2-dichloroethane	104	70-130	ok	cis-1,2-dichloroethane	106	70-130	ok	3.48	<25	ok
chloroform	< 0.5	< 0.5	chloroform	105	80-120	ok	chloroform	103	80-120	ok	2.22	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	103	70-130	ok	bromochloromethane	107	70-130	ok	3.01	<25	ok
tetrahydrofuran	< 5.0	< 5.0	tetrahydrofuran	95.3	70-130	ok	tetrahydrofuran	93.4	70-130	ok	2.02	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	112	70-130	ok	1,1,1-trichloroethane	102	70-130	ok	9.58	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	101	70-130	ok	1,1-dichloropropene	99.8	70-130	ok	1.41	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	116	70-130	ok	carbon tetrachloride	100	70-130	ok	5.98	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	111	70-130	ok	1,2-dichloroethane	99.8	70-130	ok	10.8	<25	ok
benzene	< 0.5	< 0.5	benzene	93.8	70-130	ok	benzene	95.8	70-130	ok	2.08	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	102	70-130	ok	tert-amyl methyl ether (TAME)	102	70-130	ok	0.12	<25	ok
trichloroethane	< 0.5	< 0.5	trichloroethane	98.2	70-130	ok	trichloroethane	98.8	70-130	ok	0.41	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	98.8	80-120	ok	1,2-dichloropropane	98.8	80-120	ok	1.04	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	110	70-130	ok	bromodichloromethane	106	70-130	ok	4.89	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	107	70-130	ok	1,4-Dioxane	94.8	70-130	ok	12.1	<25	ok
1,2-dibromoethane	< 0.5	< 0.5	1,2-dibromoethane	110	70-130	ok	1,2-dibromoethane	110	70-130	ok	0.10	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	128	70-130	ok	4-methyl-2-pentanone	117	70-130	ok	7.38	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	99.7	70-130	ok	cis-1,3-dichloropropene	95.5	70-130	ok	4.32	<25	ok
toluene	< 0.5	< 0.5	toluene	101	80-120	ok	toluene	95.4	80-120	ok	5.88	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	92.4	70-130	ok	trans-1,3-dichloropropene	98.8	70-130	ok	6.28	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	102	70-130	ok	1,1,2-trichloroethane	101	70-130	ok	1.19	<25	ok
2-hexanone	< 13	< 13	2-hexanone	137	70-130	out	2-hexanone	130	70-130	out	5.08	<25	ok
1,3-dichloropropene	< 0.5	< 0.5	1,3-dichloropropene	100	70-130	ok	1,3-dichloropropene	96.0	70-130	ok	6.33	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	90.0	70-130	ok	tetrachloroethene	99.0	70-130	ok	1.18	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	107	70-130	ok	dibromochloromethane	102	70-130	ok	3.98	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	106	70-130	ok	1,2-dibromoethane (EDB)	101	70-130	ok	4.48	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	98.2	70-130	ok	chlorobenzene	99.0	70-130	ok	0.81	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	107	70-130	ok	1,1,1,2-tetrachloroethane	104	70-130	ok	2.54	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	101	80-120	ok	ethylbenzene	104	80-120	ok	3.14	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	114	70-130	ok	1,1,2,2-tetrachloroethane	110	70-130	ok	4.08	<25	ok
m,p-xylene	< 1.0	< 1.0	m,p-xylene	97.8	70-130	ok	m,p-xylene	102	70-130	ok	4.15	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	103	70-130	ok	o-xylene	104	70-130	ok	1.80	<25	ok
styrene	< 0.5	< 0.5	styrene	101	70-130	ok	styrene	103	70-130	ok	2.02	<25	ok
bromoform	< 1.0	< 1.0	bromoform	116	70-130	ok	bromoform	113	70-130	ok	2.71	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	93.8	70-130	ok	isopropylbenzene	93.6	70-130	ok	0.18	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	115	70-130	ok	1,2,3-trichloropropane	108	70-130	ok	5.82	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	108	70-130	ok	bromobenzene	108	70-130	ok	0.28	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	103	70-130	ok	n-propylbenzene	102	70-130	ok	1.42	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	113	70-130	ok	2-chlorotoluene	109	70-130	ok	3.93	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	111	70-130	ok	1,3,5-trimethylbenzene	109	70-130	ok	2.47	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	123	70-130	ok	trans-1,4-dichloro-2-butene	116	70-130	ok	6.01	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	103	70-130	ok	4-chlorotoluene	99.9	70-130	ok	3.78	<25	ok
tert-butylbenzene	< 0.5	< 0.5	tert-butylbenzene	94.5	70-130	ok	tert-butylbenzene	99.9	70-130	ok	3.94	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	114	70-130	ok	1,2,4-trimethylbenzene	111	70-130	ok	2.93	<25	ok
sec-butylbenzene	< 0.5	< 0.5	sec-butylbenzene	112	70-130	ok	sec-butylbenzene	110	70-130	ok	1.14	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	118	70-130	ok	p-isopropyltoluene	113	70-130	ok	2.35	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	113	70-130	ok	1,3-dichlorobenzene	111	70-130	ok	1.74	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	104	70-130	ok	1,4-dichlorobenzene	103	70-130	ok	1.23	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	118	70-130	ok	n-butylbenzene	114	70-130	ok	1.91	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	111	70-130	ok	1,2-dichlorobenzene	111	70-130	ok	0.43	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	109	70-130	ok	1,2-dibromo-3-chloropropane	110	70-130	ok	0.57	<2	

EPA Method 8260 / 524.2 Aqueous Method Blank (MB) and Laboratory Control Sample/Duplicate (LCS/LCSD) Data

Method Blank

Laboratory Control Sample *12*

Laboratory Control Sample Duplicates

Data Analyzed:			Date Analyzed:				Date Analyzed:			Date Analyzed:		
7/16/2008			7/16/2008				7/16/2008			7/16/2008		
Conc. ug/L	Acceptance Limit		Spike Concentration = 20ug/L	% Recovery	Acceptance Limits	Verdict	% Recovery	Acceptance Limits	Verdict	RPD	Limit	Verdict
Volatiles Organics	< 1.0		dichlorodifluoromethane	80.1	70-130	ok	83.8	70-130	ok	7.43	<25	ok
dichlorodifluoromethane	< 1.0	< 1.0	chloromethane	106	70-130	ok	103	70-130	ok	2.06	<25	ok
chloromethane	< 1.0	< 1.0	vinyl chloride	106	80-120	ok	103	80-120	ok	1.99	<25	ok
vinyl chloride	< 0.5	< 0.5	bromomethane	83.3	70-130	ok	91.1	70-130	ok	2.41	<25	ok
bromomethane	< 1.0	< 1.0	chloroethane	103	70-130	ok	101	70-130	ok	1.51	<25	ok
chloroethane	< 0.5	< 0.5	trichlorofluoromethane	101	70-130	ok	94.8	70-130	ok	5.88	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	diethyl ether	104	70-130	ok	96.8	70-130	ok	6.95	<25	ok
diethyl ether	< 2.5	< 2.5	acetone	119	70-130	ok	109	70-130	ok	8.52	<25	ok
acetone	< 13	< 13	1,1-dichloroethane	108	80-120	ok	104	80-120	ok	1.84	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	FREON-113	124	70-130	ok	122	70-130	ok	1.48	<25	ok
FREON-113	< 1.0	< 1.0	iodomethane	122	70-130	ok	120	70-130	ok	1.30	<25	ok
iodomethane	< 0.6	< 0.6	carbon disulfide	87.0	70-130	ok	85.3	70-130	ok	2.08	<25	ok
carbon disulfide	< 5.0	< 5.0	dichloromethane	99.4	70-130	ok	95.2	70-130	ok	4.40	<25	ok
dichloromethane	< 1.0	< 1.0	tert-butyl alcohol (TBA)	86.9	70-130	ok	82.1	70-130	ok	5.06	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	acrylonitrile	0.04	70-130	ok	0.14	70-130	out	111	<25	out
acrylonitrile	< 0.5	< 0.5	methyl-tert-butyl-ether	100	70-130	ok	91.9	70-130	ok	6.74	<25	ok
methyl-tert-butyl-ether	< 0.6	< 0.6	trans-1,2-dichloroethane	109	70-130	ok	106	70-130	ok	0.60	<25	ok
trans-1,2-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	101	70-130	ok	97.7	70-130	ok	3.57	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	di-isopropyl ether (DIPE)	97.2	70-130	ok	93.9	70-130	ok	3.47	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	ethyl-tert-butyl ether (ETBE)	99.2	70-130	ok	90.3	70-130	ok	9.44	<25	ok
ethyl-tert-butyl ether (ETBE)	< 1.0	< 1.0	vinyl acetate	98.8	70-130	ok	95.7	70-130	ok	3.18	<25	ok
vinyl acetate	< 13	< 13	2-butanone	123	70-130	ok	112	70-130	ok	9.43	<25	ok
2-butanone	< 13	< 13	2,2-dichloropropene	89.0	70-130	ok	85.5	70-130	ok	3.93	<25	ok
2,2-dichloropropene	< 0.5	< 0.5	cis-1,2-dichloroethane	108	70-130	ok	105	70-130	ok	3.13	<25	ok
cis-1,2-dichloroethane	< 0.5	< 0.5	chloroform	101	80-120	ok	97.3	80-120	ok	3.98	<25	ok
chloroform	< 0.6	< 0.6	bromochloromethane	112	70-130	ok	107	70-130	ok	4.43	<25	ok
bromochloromethane	< 0.5	< 0.5	tetrahydrofuran	100.0	70-130	ok	93.2	70-130	ok	7.03	<25	ok
tetrahydrofuran	< 5.0	< 5.0	1,1,1-trichloroethane	108	70-130	ok	97.4	70-130	ok	7.99	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1-dichloropropene	101	70-130	ok	97.8	70-130	ok	3.43	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	carbon tetrachloride	113	70-130	ok	105	70-130	ok	6.84	<25	ok
carbon tetrachloride	< 0.5	< 0.5	1,2-dichloroethane	101	70-130	ok	90.1	70-130	ok	11.2	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	benzene	100	70-130	ok	97.5	70-130	ok	2.90	<25	ok
benzene	< 0.5	< 0.5	tert-amyl methyl ether (TAME)	100	70-130	ok	91.0	70-130	ok	9.50	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	trichloroethene	110	70-130	ok	108	70-130	ok	3.25	<25	ok
trichloroethene	< 0.6	< 0.6	1,2-dichloropropene	103	80-120	ok	96.7	80-120	ok	4.44	<25	ok
1,2-dichloropropene	< 0.5	< 0.5	bromodichloromethane	102	70-130	ok	95.8	70-130	ok	6.17	<25	ok
bromodichloromethane	< 0.5	< 0.5	1,4-Dioxane	96.2	70-130	ok	99.1	70-130	ok	2.91	<25	ok
1,4-Dioxane	< 50	< 50	1,1,1,2-tetrachloroethane	117	70-130	ok	111	70-130	ok	4.97	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	4-methyl-2-pentanone	115	70-130	ok	105	70-130	ok	6.55	<25	ok
4-methyl-2-pentanone	< 13	< 13	cis-1,3-dichloropropene	93.2	70-130	ok	90.0	70-130	ok	3.50	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	toluene	99.1	80-120	ok	97.9	80-120	ok	1.14	<25	ok
toluene	< 0.5	< 0.5	trans-1,3-dichloropropene	83.8	70-130	ok	78.5	70-130	ok	9.15	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	1,1,2-trichloroethane	102	70-130	ok	106	70-130	ok	2.82	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	2-hexanone	131	70-130	out	124	70-130	ok	4.83	<25	ok
2-hexanone	< 13	< 13	1,3-dichloropropene	97.5	70-130	ok	95.7	70-130	ok	1.91	<25	ok
1,3-dichloropropene	< 0.5	< 0.5	tetrachloroethene	100	70-130	ok	105	70-130	ok	4.70	<25	ok
tetrachloroethene	< 0.5	< 0.5	dibromochloromethane	110	70-130	ok	108	70-130	ok	3.21	<25	ok
dibromochloromethane	< 0.5	< 0.5	1,2-dibromoethane (EDB)	107	70-130	ok	103	70-130	ok	3.70	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	chlorobenzene	108	70-130	ok	108	70-130	ok	1.74	<25	ok
chlorobenzene	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	110	70-130	ok	108	70-130	ok	1.32	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	ethylbenzene	108	80-120	ok	107	80-120	ok	0.89	<25	ok
ethylbenzene	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	105	70-130	ok	103	70-130	ok	2.20	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	m,p-xylene	98.5	70-130	ok	98.8	70-130	ok	0.11	<25	ok
m,p-xylene	< 1.0	< 1.0	o-xylene	94.9	70-130	ok	94.7	70-130	ok	0.21	<25	ok
o-xylene	< 0.5	< 0.5	styrene	99.7	70-130	ok	98.7	70-130	ok	1.08	<25	ok
styrene	< 0.5	< 0.5	bromoform	113	70-130	ok	107	70-130	ok	5.82	<25	ok
bromoform	< 1.0	< 1.0	isopropylbenzene	89.5	70-130	ok	90.9	70-130	ok	1.57	<25	ok
isopropylbenzene	< 0.5	< 0.5	1,2,3-trichloropropane	107	70-130	ok	98.0	70-130	ok	10.9	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	bromobenzene	108	70-130	ok	107	70-130	ok	1.48	<25	ok
bromobenzene	< 0.5	< 0.5	n-propylbenzene	94.9	70-130	ok	95.4	70-130	ok	0.85	<25	ok
n-propylbenzene	< 0.5	< 0.5	2-chlorotoluene	103	70-130	ok	98.8	70-130	ok	4.19	<25	ok
2-chlorotoluene	< 0.5	< 0.5	1,3,5-trimethylbenzene	105	70-130	ok	102	70-130	ok	2.58	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	trans-1,4-dichloro-2-butene	105	70-130	ok	98.3	70-130	ok	6.17	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	4-chlorotoluene	97.9	70-130	ok	95.2	70-130	ok	2.84	<25	ok
4-chlorotoluene	< 0.5	< 0.5	tert-butylbenzene	94.2	70-130	ok	92.1	70-130	ok	2.26	<25	ok
tert-butylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	109	70-130	ok	108	70-130	ok	2.18	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	sec-butylbenzene	107	70-130	ok	106	70-130	ok	1.15	<25	ok
sec-butylbenzene	< 0.5	< 0.5	p-isopropyltoluene	114	70-130	ok	112	70-130	ok	1.41	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	1,3-dichlorobenzene	110	70-130	ok	107	70-130	ok	2.90	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	105	70-130	ok	104	70-130	ok	0.67	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	n-butylbenzene	104	70-130	ok	103	70-130	ok	1.05	<25	ok
n-butylbenzene	< 0.5	< 0.5	1,2-dichlorobenzene	107	70-130	ok	103	70-130	ok	3.69	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dibromo-3-chloropropane	88.3	70-130	ok	88.8	70-130	ok	10.1	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2,4-trichlorobenzene	130	70-130	out	126	70-130	ok	3.33	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	hexachlorobutadiene	138	70-130	out	134	70-130	out	1.21	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	naphthalene	118	70-130	ok	111	70-130	ok	4.34	<25	ok
naphthalene	< 1.0	< 1.0	1,2,3-trichlorobenzene	132	70-130	out	129	70-130	ok	2.70	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5										

SMF criteria allows 5 compounds to be outside acceptance limits

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	106	70-130	DIBROMOFLUOROMETHANE	109	70-130	ok	DIBROMOFLUOROMETHANE	102	70-130	ok	6.36	<25	ok
1,2-DICHLOROETHANE-D4	94.9	70-130	1,2-DICHLOROETHANE-D4	98.8	70-130	ok	1,2-DICHLOROETHANE-D4	101	70-130	ok	3.85	<25	ok
TOLUENE-D8	92.7	70-130	TOLUENE-D8	93.7	70-130	ok	TOLUENE-D8	101	70-130	ok	1.87	<25	ok
4-BROMOFLUOROBENZENE	100	70-130	4-BROMOFLUOROBENZENE	107	70-130	ok	4-BROMOFLUOROBENZENE	107	70-130	ok	0.00	<25	ok
1,2-DICHLOROENZENE-D4	91.9	70-130											

EPA Method 8260 / 524.2 Aqueous Method Blank (MB) and Laboratory Control Sample/Duplicate (LCS/LCSD) Data

Method Blank			Laboratory Control Sample				Laboratory Control Sample Duplicate						
Date Analyzed:	7/17/2008		Date Analyzed:	7/17/2008		7/17/2008		7/17/2008					
Volatiles Organics	Conc. ug/L	Acceptance Limit	Spike Concentration = 20ug/L	% Recovery	Acceptance Limits	Verdict	% Recovery	Acceptance Limits	Verdict	RPD	Limit	Verdict	
dichlorodifluoromethane	< 1.0	< 1.0	dichlorodifluoromethane	101	70-130	ok	95.2	70-130	ok	8.27	<25	ok	
chloromethane	< 1.0	< 1.0	chloromethane	114	70-130	ok	108	70-130	ok	5.95	<25	ok	
vinyl chloride	< 0.5	< 0.5	vinyl chloride	110	80-120	ok	111	80-120	ok	0.47	<25	ok	
bromomethane	< 1.0	< 1.0	bromomethane	91.4	70-130	ok	95.7	70-130	ok	4.83	<25	ok	
chloroethane	< 0.5	< 0.5	chloroethane	99.7	70-130	ok	104	70-130	ok	4.49	<25	ok	
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	130	70-130	ok	114	70-130	ok	12.8	<25	ok	
diethyl ether	< 2.6	< 2.5	diethyl ether	82.6	70-130	ok	88.9	70-130	ok	7.24	<25	ok	
acetone	< 13	< 13	acetone	101	70-130	ok	94.7	70-130	ok	8.08	<25	ok	
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	108	80-120	ok	110	80-120	ok	3.55	<25	ok	
FREON-113	< 1.0	< 1.0	FREON-113	128	70-130	ok	129	70-130	ok	1.28	<25	ok	
iodomethane	< 0.5	< 0.5	iodomethane	110	70-130	ok	118	70-130	ok	4.98	<25	ok	
carbon disulfide	< 5.0	< 5.0	carbon disulfide	88.2	70-130	ok	91.4	70-130	ok	3.50	<25	ok	
dichloromethane	< 1.0	< 1.0	dichloromethane	85.2	70-130	ok	86.0	70-130	ok	4.29	<25	ok	
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	78.9	70-130	ok	72.5	70-130	ok	8.42	<25	ok	
acrylonitrile	< 0.5	< 0.5	acrylonitrile	0.19	70-130	out	0.20	70-130	out	5.13	<25	ok	
methyl tert-butyl ether	< 0.5	< 0.5	methyl tert-butyl ether	93.2	70-130	ok	91.1	70-130	ok	2.32	<25	ok	
trans-1,2-dichloroethane	< 0.5	< 0.5	trans-1,2-dichloroethane	102	70-130	ok	101	70-130	ok	3.84	<25	ok	
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	106	70-130	ok	107	70-130	ok	4.48	<25	ok	
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	85.2	70-130	ok	87.8	70-130	ok	2.97	<25	ok	
ethyl tert-butyl ether (ETBE)	< 1.0	< 1.0	ethyl tert-butyl ether (ETBE)	85.0	70-130	ok	84.5	70-130	ok	0.44	<25	ok	
vinyl acetate	< 13	< 13	vinyl acetate	89.8	70-130	ok	86.3	70-130	ok	2.81	<25	ok	
2-butanone	< 13	< 13	2-butanone	88.5	70-130	ok	93.9	70-130	ok	5.95	<25	ok	
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	150	70-130	out	134	70-130	out	11.8	<25	ok	
cis-1,2-dichloroethane	< 0.5	< 0.5	cis-1,2-dichloroethane	98.6	70-130	ok	98.7	70-130	ok	2.12	<25	ok	
chloroform	< 0.5	< 0.5	chloroform	107	80-120	ok	98.9	80-120	ok	7.88	<25	ok	
bromochloromethane	< 0.5	< 0.5	bromochloromethane	82.2	70-130	ok	80.5	70-130	ok	1.90	<25	ok	
tetrahydrofuran	< 5.0	< 5.0	tetrahydrofuran	87.8	70-130	out	74.9	70-130	ok	10.2	<25	ok	
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	130	70-130	ok	114	70-130	ok	12.7	<25	ok	
1,1-dichloropropane	< 0.5	< 0.5	1,1-dichloropropane	112	70-130	ok	107	70-130	ok	5.07	<25	ok	
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	141	70-130	out	123	70-130	ok	13.8	<25	ok	
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	103	70-130	ok	99.5	70-130	ok	14.3	<25	ok	
benzene	< 0.5	< 0.5	benzene	92.1	70-130	ok	91.8	70-130	ok	0.34	<25	ok	
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	92.0	70-130	ok	89.8	70-130	ok	2.47	<25	ok	
trichloroethene	< 0.5	< 0.5	trichloroethene	106	70-130	ok	101	70-130	ok	3.98	<25	ok	
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	90.2	80-120	ok	88.0	80-120	ok	2.43	<25	ok	
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	102	70-130	ok	92.1	70-130	ok	10.7	<25	ok	
1,4-Dioxane	< 50	< 50	1,4-Dioxane	78.5	70-130	ok	77.4	70-130	ok	1.42	<25	ok	
dibromomethane	< 0.5	< 0.5	dibromomethane	84.6	70-130	ok	83.3	70-130	ok	1.61	<25	ok	
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	92.8	70-130	ok	84.2	70-130	ok	9.07	<25	ok	
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	87.9	70-130	ok	81.9	70-130	ok	6.96	<25	ok	
toluene	< 0.5	< 0.5	toluene	100	80-120	ok	91.8	80-120	ok	8.93	<25	ok	
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	80.4	70-130	ok	71.8	70-130	ok	11.3	<25	ok	
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	88.5	70-130	ok	91.7	70-130	ok	3.58	<25	ok	
2-hexanone	< 13	< 13	2-hexanone	108	70-130	ok	109	70-130	ok	0.55	<25	ok	
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	85.9	70-130	ok	88.3	70-130	ok	0.53	<25	ok	
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	96.1	70-130	ok	102	70-130	ok	5.48	<25	ok	
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	102	70-130	ok	98.5	70-130	ok	3.23	<25	ok	
1,2-dibromomethane (EDB)	< 1.0	< 1.0	1,2-dibromomethane (EDB)	92.7	70-130	ok	91.9	70-130	ok	0.79	<25	ok	
chlorobenzene	< 0.5	< 0.5	chlorobenzene	106	70-130	ok	109	70-130	ok	0.71	<25	ok	
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	117	70-130	ok	111	70-130	ok	5.05	<25	ok	
ethylbenzene	< 0.5	< 0.5	ethylbenzene	120	80-120	ok	118	80-120	ok	1.49	<25	ok	
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	97.2	70-130	ok	97.0	70-130	ok	0.21	<25	ok	
m&p-xylene	< 1.0	< 1.0	m&p-xylene	124	70-130	ok	117	70-130	ok	5.56	<25	ok	
o-xylene	< 0.5	< 0.5	o-xylene	106	70-130	ok	106	70-130	ok	0.98	<25	ok	
styrene	< 0.5	< 0.5	styrene	96.3	70-130	ok	98.3	70-130	ok	2.02	<25	ok	
bromoform	< 1.0	< 1.0	bromoform	88.7	70-130	ok	90.0	70-130	ok	1.51	<25	ok	
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	101	70-130	ok	101	70-130	ok	0.21	<25	ok	
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	94.7	70-130	ok	99.9	70-130	ok	5.19	<25	ok	
bromobenzene	< 0.5	< 0.5	bromobenzene	93.1	70-130	ok	96.4	70-130	ok	3.53	<25	ok	
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	110	70-130	ok	109	70-130	ok	0.61	<25	ok	
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	109	70-130	ok	113	70-130	ok	3.21	<25	ok	
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	117	70-130	ok	115	70-130	ok	1.75	<25	ok	
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	102	70-130	ok	102	70-130	ok	0.06	<25	ok	
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	107	70-130	ok	108	70-130	ok	1.28	<25	ok	
tert-butylbenzene	< 0.5	< 0.5	tert-butylbenzene	102	70-130	ok	106	70-130	ok	3.20	<25	ok	
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	117	70-130	ok	118	70-130	ok	1.48	<25	ok	
sec-butylbenzene	< 0.5	< 0.5	sec-butylbenzene	123	70-130	ok	122	70-130	ok	0.51	<25	ok	
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	128	70-130	ok	126	70-130	ok	1.45	<25	ok	
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	105	70-130	ok	106	70-130	ok	0.67	<25	ok	
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	100	70-130	ok	101	70-130	ok	0.51	<25	ok	
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	122	70-130	ok	121	70-130	ok	1.22	<25	ok	
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	96.5	70-130	ok	98.1	70-130	ok	1.66	<25	ok	
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	91.0	70-130	ok	88.0	70-130	ok	3.38	<25	ok	
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	107	70-130	ok	112	70-130	ok	4.80	<25	ok	
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	137	70-130	out	135	70-130	out	1.22	<25	ok	
naphthalene	< 1.0	< 1.0	naphthalene	95.4	70-130	ok	98.9	70-130	ok	3.65	<25	ok	
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	107	70-130	ok	110	70-130	ok	3.24	<25	ok	

SMF criteria allows 5 compounds to be outside acceptance limits

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	105	70-130	DIBROMOFLUOROMETHANE	108	70-130	ok	DIBROMOFLUOROMETHANE	100	70-130	ok	8.21	<25	ok
1,2-DICHLOROETHANE-D4	76.4	70-130	1,2-DICHLOROETHANE-D4	83.8	70-130	ok	1,2-DICHLOROETHANE-D4	81.7	70-130	ok	2.30	<25	ok
TOLUENE-D8	98.9	70-130	TOLUENE-D8	98.4	70-130	ok	TOLUENE-D8	91.9	70-130	ok	7.85	<25	ok
4-BROMOFLUOROBENZENE	91.4	70-130	4-BROMOFLUOROBENZENE	95.5	70-130	ok	4-BROMOFLUOROBENZENE	96.7	70-130	ok	1.25	<25	ok
1,2-DICHLOROBENZENE-D4	82.6	70-130	1,2-DICHLOROBENZENE-D4	90.4	70-130	ok	1,2-DICHLOROBENZENE-D4	91.2	70-130	ok	0.65	<25	ok

EPA Method 8260 / 524.2 Aqueous Method Blank (MB) and Laboratory Control Sample/Duplicate (LCS/LCSD) Data

Method Blank

Laboratory Control Sample

Laboratory Control Sample Duplicates

Date Analyzed:

7/21/2008

Date Analyzed:

7/21/2008

7/21/2008

Volatile Organics

Conc. ug/L

Acceptance Limit

Spike Concentration = 20ug/L

% Recovery

Acceptance Limits

Verdict

% Recovery

Acceptance Limits

Verdict

RPD

Limit

Verdict

Date Analyzed:	7/21/2008	Acceptance Limit	Date Analyzed:	7/21/2008	Acceptance Limits	Verdict	7/21/2008	Acceptance Limits	Verdict	RPD	Limit	Verdict
dichlorodifluoromethane	< 1.0	< 1.0	dichlorodifluoromethane	97.0	70-130	ok	88.7	70-130	ok	8.93	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	118	70-130	ok	120	70-130	ok	1.31	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	110	80-120	ok	117	80-120	ok	2.19	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	99.1	70-130	ok	97.1	70-130	ok	2.07	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	106	70-130	ok	106	70-130	ok	2.51	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	95.4	70-130	ok	98.2	70-130	ok	2.89	<25	ok
diethyl ether	< 2.6	< 2.6	diethyl ether	90.5	70-130	ok	88.6	70-130	ok	4.54	<25	ok
acetone	< 13	< 13	acetone	96.4	70-130	ok	96.6	70-130	ok	0.93	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	119	80-120	ok	118	80-120	ok	0.83	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	115	70-130	ok	117	70-130	ok	1.00	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	117	70-130	ok	118	70-130	ok	1.07	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	97.8	70-130	ok	93.8	70-130	ok	4.13	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	95.8	70-130	ok	92.9	70-130	ok	3.08	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	97.8	70-130	out	67.8	70-130	out	0.37	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	0.05	70-130	out	0.01	70-130	out	133	<25	out
methyl tert-butyl ether	< 0.5	< 0.5	methyl tert-butyl ether	80.7	70-130	ok	61.8	70-130	ok	1.15	<25	ok
trans-1,2-dichloroethane	< 0.5	< 0.5	trans-1,2-dichloroethane	111	70-130	ok	110	70-130	ok	1.08	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	97.8	70-130	ok	97.4	70-130	ok	0.19	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	83.5	70-130	ok	84.7	70-130	ok	1.40	<25	ok
ethyl tert-butyl ether (ETBE)	< 1.0	< 1.0	ethyl tert-butyl ether (ETBE)	83.1	70-130	ok	80.4	70-130	ok	7.38	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	78.8	70-130	ok	80.3	70-130	ok	2.10	<25	ok
2-butanone	< 13	< 13	2-butanone	96.0	70-130	ok	98.1	70-130	ok	2.23	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	118	70-130	ok	119	70-130	ok	2.88	<25	ok
cis-1,2-dichloroethane	< 0.5	< 0.5	cis-1,2-dichloroethane	102	70-130	ok	108	70-130	ok	3.00	<25	ok
chloroform	< 0.5	< 0.5	chloroform	90.0	80-120	ok	91.4	80-120	ok	1.51	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	88.3	70-130	ok	91.7	70-130	ok	3.77	<25	ok
tetrahydrofuran	< 5.0	< 5.0	tetrahydrofuran	80.0	70-130	out	82.2	70-130	out	3.56	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	96.4	70-130	ok	101	70-130	ok	4.32	<25	ok
1,1-dichloropropane	< 0.5	< 0.5	1,1-dichloropropane	104	70-130	ok	107	70-130	ok	2.22	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	98.8	70-130	ok	104	70-130	ok	4.90	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	74.9	70-130	ok	77.0	70-130	ok	2.78	<25	ok
benzene	< 0.5	< 0.5	benzene	98.9	70-130	ok	100	70-130	ok	1.21	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	88.7	70-130	ok	90.2	70-130	ok	1.95	<25	ok
trichloroethane	< 0.5	< 0.5	trichloroethane	104	70-130	ok	107	70-130	ok	2.87	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	88.8	80-120	ok	89.5	80-120	ok	0.88	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	84.0	70-130	ok	85.1	70-130	ok	1.34	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	75.8	70-130	ok	70.0	70-130	out	8.01	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	86.4	70-130	ok	87.8	70-130	ok	1.31	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	80.4	70-130	ok	82.2	70-130	ok	2.25	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	82.2	70-130	ok	82.1	70-130	ok	0.18	<25	ok
toluene	< 0.5	< 0.5	toluene	94.2	80-120	ok	94.7	80-120	ok	0.50	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	88.8	70-130	ok	88.7	70-130	ok	0.23	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	83.4	70-130	ok	96.8	70-130	ok	2.35	<25	ok
2-hexanone	< 13	< 13	2-hexanone	106	70-130	ok	108	70-130	ok	1.81	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	92.0	70-130	ok	92.5	70-130	ok	0.49	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	110	70-130	ok	118	70-130	ok	5.44	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	90.0	70-130	ok	92.6	70-130	ok	2.73	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	91.3	70-130	ok	92.9	70-130	ok	1.80	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	107	70-130	ok	110	70-130	ok	2.88	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	105	70-130	ok	108	70-130	ok	2.35	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	117	80-120	ok	122	80-120	out	3.80	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	94.2	70-130	ok	97.9	70-130	ok	3.88	<25	ok
m,p-xylene	< 1.0	< 1.0	m,p-xylene	113	70-130	ok	115	70-130	ok	1.47	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	104	70-130	ok	105	70-130	ok	1.41	<25	ok
styrene	< 0.6	< 0.6	styrene	99.8	70-130	ok	101	70-130	ok	1.73	<25	ok
bromoform	< 1.0	< 1.0	bromoform	86.8	70-130	ok	86.2	70-130	ok	2.72	<25	ok
isopropylbenzene	< 0.6	< 0.6	isopropylbenzene	97.9	70-130	ok	96.3	70-130	ok	1.41	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	85.9	70-130	ok	88.3	70-130	ok	0.37	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	103	70-130	ok	105	70-130	ok	1.71	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	110	70-130	ok	109	70-130	ok	0.94	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	109	70-130	ok	113	70-130	ok	3.27	<25	ok
1,3,5-trimethylbenzene	< 0.6	< 0.6	1,3,5-trimethylbenzene	110	70-130	ok	112	70-130	ok	1.64	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	87.8	70-130	ok	86.0	70-130	ok	2.28	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	101	70-130	ok	96.4	70-130	ok	4.53	<25	ok
tert-butylbenzene	< 0.5	< 0.5	tert-butylbenzene	97.7	70-130	ok	98.8	70-130	ok	0.94	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	110	70-130	ok	113	70-130	ok	2.54	<25	ok
sec-butylbenzene	< 0.5	< 0.5	sec-butylbenzene	118	70-130	ok	118	70-130	ok	0.08	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	119	70-130	ok	121	70-130	ok	1.72	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	109	70-130	ok	115	70-130	ok	4.88	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	107	70-130	ok	105	70-130	ok	1.31	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	118	70-130	ok	120	70-130	ok	1.31	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	100	70-130	ok	102	70-130	ok	2.34	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	78.9	70-130	ok	83.1	70-130	ok	5.28	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	107	70-130	ok	111	70-130	ok	3.50	<25	ok
hexachlorobutadiene	< 0.6	< 0.6	hexachlorobutadiene	131	70-130	out	132	70-130	out	0.99	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	94.2	70-130	ok	101	70-130	ok	7.18	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	105	70-130	ok	111	70-130	ok	5.82	<25	ok

SMP criteria allows 0 compounds to be outside acceptance limits

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	82.8	70-130	DIBROMOFLUOROMETHANE	87.4	70-130	ok	DIBROMOFLUOROMETHANE	92.7	70-130	ok	5.87	<25	ok

ATTACHMENT C

MONTHLY AS/SVE SYSTEM MONITORING DATA

**INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
APRIL 2008**

Name: Angela Harvey
 Date: 4/18/2008
 Hour meter: 2162.6

TABLE 1

INTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-1	2.3	20.9	0.1	0.0	0	1.0	0.014	6.4	Found flow control valve in the fully open position.
SVE-2	2.0	20.7	0.0	0.0	0	2.0	0.016	6.6	Found flow control valve in the fully open position.
SVE-3	1.6	20.8	0.0	0.0	0	1.0	0.013	6.2	Found flow control valve in the fully open position.
SVE-4	2.3	20.7	0.1	0.0	0	0.9	0.018	7.2	
SVE-5	2.9	20.8	0.1	0.0	0	2.6	0.015	6.5	Flow control valve set in the fully open position.
SVE-6	3.6	20.8	0.0	0.0	0	1.5	0.016	6.6	
SVE-7	1.3	20.7	0.1	0.0	0	NM	NM	NM	Condensation in line; diff. pressure not recorded.
SVE-8	1.4	20.8	0.2	0.0	0	1.8	0.014	6.4	
SVE-9	1.3	20.8	0.2	0.0	0	NM	NM	NM	Condensation in line; diff. pressure not recorded.
SVE-10	2.0	20.4	2.0	0.0	0	1.3	0.013	6.2	
SVE-11	1.9	20.2	3.0	0.0	0	1.5	0.017	6.9	
SVE-12	1.6	20.4	0.1	0.0	0	3.0	0.018	7.2	
SVE-13	1.3	20.6	0.0	0.0	0	1.8	0.015	6.5	
SVE-14	1.4	20.9	0.0	0.0	0	1.5	0.012	6.0	
SVE-15	1.6	20.5	0.1	0.0	0	0.9	0.018	7.2	
SVE-16	1.7	20.7	0.1	0.0	0	1.9	0.013	6.2	
SSVW-1	4.5	20.7	0.1	0.0	0	0.9	0.015	6.5	
SSVW-2	4.8	20.7	0.0	0.0	0	1.3	0.013	6.2	
SSVW-3	1.6	20.6	0.1	0.0	0	0.5	NM	NM	Condensation in line; diff. pressure not recorded.
SSVW-4	1.6	20.7	0.1	0.0	0	0.9	0.016	6.6	
SSVW-5	1.3	20.5	0.2	0.0	0	0.2	0.013	6.2	
SSVW-6	1.3	20.6	0.2	0.0	0	1.4	0.014	6.4	
SSVW-7	1.4	20.6	0.0	0.0	0	0.1	0.015	6.5	
Combine (BD)	1.1	20.8	0.0	0.0	0	33.7	--	--	
Combine (DH)	--	--	--	--	--	40.0	--	--	
Combine (AD)	--	--	--	--	--	44.7	--	--	
Combine (AB)	--	--	--	--	--	13.3	--	130.5	
Effluent 1st drum	2.0	--	--	--	--	--	--	--	
Effluent 2nd drum	2.0	--	--	--	--	--	--	--	

Combined 140 scfm per 23 wells = 6.08 scfm per well = 0.012 inches DP per well.

NM = Not measured.

Name: Angela Harvey
 Date: 4/18/2008
 Hour meter: 2207.8

TABLE 2

EXTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-17	NR	19.0	0.2	0.0	0	1.7	0.012	6.0	
SVE-18	NR	19.0	0.1	0.0	0	3.4	0.013	6.1	
SVE-19	NR	19.0	0.2	0.0	0	3.2	0.015	6.5	
SVE-20	NR	18.9	0.2	0.0	0	2.2	0.016	6.6	
SVE-21	NR	19.4	0.0	0.0	0	2.6	0.025	8.6	
SVE-22	NR	19.6	0.1	0.0	0	1.3	NM	NM	Condensation in line; diff. pressure not recorded.
SVE-23	NR	19.3	0.1	0.0	0	1.1	0.011	5.9	
SVE-24	NR	19.6	0.1	0.0	0	0.8	0.014	6.4	
SVE-25	NR	19.6	0.0	0.0	0	2.0	0.017	6.8	
SVE-26	NR	19.7	0.1	0.0	0	0.5	0.017	6.8	
SVE-27	NR	19.9	0.0	0.0	0	1.7	0.014	6.4	
SVE-28	NR	19.9	0.0	0.0	0	2.6	0.004	3.4	
SVE-29	NR	19.7	0.0	0.0	0	1.6	0	0.0	
SVE-30	NR	19.7	0.0	0.0	0	2.4	0	0.0	
Combine (BD)	1.4	20.5	0.1	0.0	0	6.7	--	--	
Combine (DH)	--	--	--	--	--	9.0	--	--	
Combine (AD)	--	--	--	--	--	14.3	--	--	
Combine (AB)	--	--	--	--	--	5.1	--	69.5	
Effluent 1st drum	1.4	--	--	--	--	--	--	--	
Effluent 2nd drum	2.0	--	--	--	--	--	--	--	

Combined 85 scfm per 14 wells = 6.07 scfm per well = 0.012 inches DP per well.

NR = TVOC readings not recorded for exterior SVE system due to malfunction of the OVM unit.
 NM = Not measured.

TABLE 3

INTERIOR AS SYSTEM
 Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-1		3.9	3.0	
AS-2	10	3.7	2.9	
AS-3		3.3	2.8	
AS-4		3.3	2.9	
AS-5	11	3.7	3.0	
AS-6		3.3	2.9	
AS-7		3.4	2.8	
AS-8	10	3.5	2.9	
AS-9		3.2	2.7	
AS-10		3.3	2.6	
AS-11	9	3.7	2.9	
AS-12		3.2	2.7	
AS-13	9	2.4	2.3	
AS-14		3.6	2.7	
AS-15	10	3.2	2.7	
AS-16	10	3.7	2.9	
Combine	14	17.0	44.7	

Combined 17.0 inches DP @ 14 psi = 44.0 scfm per 16 wells = 2.75 scfm per well = 3.5 inches DP per well.

TABLE 4
EXTERIOR AS SYSTEM
 Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-17	12	3.0	2.7	
AS-18		2.7	2.6	
AS-19		2.8	2.7	
AS-20		2.6	2.6	
AS-21	10	2.9	2.7	
AS-22		2.8	2.6	
AS-23		3.0	2.7	
AS-24		2.9	2.6	
AS-25	10	3.0	2.7	
AS-26		2.6	2.4	
AS-27		2.9	2.6	
AS-28		2.6	2.4	
AS-29	16	2.8	2.6	
AS-30		2.7	2.5	
Combine			36.4	

Combined 10.3 inches DP @ 16 psi = 34.0 scfm per 14 wells = 2.43 scfm per well = 2.8 inches DP per well.

**INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
MAY 2008**

Name: Angela Harvey
 Date: 5/15/2008
 Hour meter: 2810.2

TABLE 1

INTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-1	2.8	20.8	0.1	0.0	0	1.3	0.018	7.2	
SVE-2	2.8	20.9	0.0	0.0	0	1.6	0.013	6.2	
SVE-3	2.3	20.8	0.0	0.0	0	1.3	0.018	7.2	
SVE-4	3.2	20.6	0.1	0.0	0	0.1	0.018	7.2	
SVE-5	3.7	20.7	0.0	0.0	0	1.6	0.008	5.2	
SVE-6	3.2	20.7	0.2	0.0	0	1.5	0.017	6.9	
SVE-7	1.4	20.8	0.1	0.0	0	1.6	0.011	5.8	
SVE-8	1.8	20.8	0.2	0.0	0	1.6	0.011	5.8	
SVE-9	1.4	20.6	0.2	0.0	0	0.9	0.018	7.2	
SVE-10	1.4	20.7	0.3	0.0	0	1.5	0.019	7.4	
SVE-11	1.8	20.5	0.1	0.0	0	1.7	0.019	7.4	
SVE-12	2.3	20.7	0.0	0.0	0	2.5	0.014	6.4	
SVE-13	1.8	20.7	0.0	0.0	0	1.4	0.015	6.6	
SVE-14	1.8	20.6	0.0	0.0	0	1.3	0.015	6.6	
SVE-15	1.8	21.0	0.0	0.0	0	0.7	0.020	7.6	
SVE-16	1.8	20.9	0.1	0.0	0	1.8	0.019	7.4	
SSVW-1	1.4	20.7	0.0	0.0	0	1.3	0.016	6.8	
SSVW-2	1.4	20.6	0.0	0.0	0	1.3	0.017	6.9	
SSVW-3	1.8	20.7	0.1	0.0	0	0.8	0.018	7.2	
SSVW-4	1.4	20.7	0.1	0.0	0	1.4	0.017	6.9	
SSVW-5	1.4	20.5	0.2	0.0	0	0.2	0.019	7.4	
SSVW-6	2.3	20.9	0.0	0.0	0	1.2	0.019	7.4	
SSVW-7	1.8	20.9	0.1	0.0	0	0.1	0.018	7.2	
Combine (BD)	1.8	20.5	0.1	0.0	0	7.6	--	--	
Combine (DH)	--	--	--	--	--	16.5	--	--	
Combine (AD)	--	--	--	--	--	23.1	--	--	
Combine (AB)	--	--	--	--	--	18.8	--	157.9	
Effluent 1st drum	<0.1	--	--	--	--	--	--	--	
Effluent 2nd drum	<0.1	--	--	--	--	--	--	--	

Combined 175 scfm per 23 wells = 7.61 scfm per well = 0.020 inches DP per well.

Name: Angela Harvey
 Date: 5/15/2008
 Hour meter: 2855.8

TABLE 2

EXTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-17	2.0	20.3	0.3	0.0	0	1.3	0.011	5.8	
SVE-18	4.4	20.3	0.2	0.0	0	3.1	0.012	6.0	
SVE-19	5.5	20.1	0.4	0.0	0	3.2	0.013	6.2	
SVE-20	5.0	20.2	0.3	0.0	0	2.0	0.013	6.2	
SVE-21	3.2	20.2	0.1	0.0	0	2.9	0.011	5.8	
SVE-22	14.4	20.2	0.2	0.0	0	1.5	0.012	6.0	
SVE-23	7.9	19.9	0.2	0.0	0	1.5	0.010	5.6	
SVE-24	9.1	19.9	0.1	0.0	0	1.0	0.010	5.6	
SVE-25	6.7	20.2	0.1	0.0	0	2.2	0.013	6.2	
SVE-26	2.0	19.9	0.1	0.0	0	0.7	0.014	6.4	
SVE-27	2.6	20.0	0.1	0.0	0	2.0	0.013	6.2	
SVE-28	3.2	19.9	0.1	0.0	0	2.9	0.000		Fully open
SVE-29	2.6	19.9	0.1	0.0	0	2.9	0.000		Fully open
SVE-30	3.2	20.2	0.1	0.0	0	2.9	0.000		Fully open
Combine (BD)	3.2	20.1	0.1	0.0	0	7.0	--	--	
Combine (DH)	--	--	--	--	--	9.0	--	--	
Combine (AD)	--	--	--	--	--	14.8	--	--	
Combine (AB)	--	--	--	--	--	5.2	--	66.0	
Effluent 1st drum	<0.1	--	--	--	--	--	--	--	
Effluent 2nd drum	<0.1	--	--	--	--	--	--	--	

Combined 85 scfm per 14 wells = 6.07 scfm per well = 0.012 inches DP per well.

TABLE 3

INTERIOR AS SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-1		3.12	2.7	
AS-2	10	3.19	2.8	
AS-3		3.28	2.8	
AS-4		3.11	2.7	
AS-5	10	3.17	2.8	
AS-6		3.36	2.8	
AS-7		3.31	2.8	
AS-8	10	3.35	2.8	
AS-9		3.11	2.7	
AS-10		3.20	2.7	
AS-11	9	3.25	2.7	
AS-12		3.10	2.6	
AS-13		3.19	2.8	
AS-14	10	3.47	2.9	
AS-15	10	3.30	2.8	
AS-16	10	3.19	2.7	
Combine	14	18.4	44.1	

Combined 18.4 inches DP @ 14 psi = 45 scfm per 16 wells = 2.81 scfm per well = 3.2 inches DP per well.

TABLE 4

EXTERIOR AS SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-17		2.39	2.5	
AS-18	12	2.42	2.5	
AS-19		2.45	2.5	
AS-20		2.57	2.6	
AS-21		2.49	2.4	
AS-22		2.59	2.5	
AS-23	10	2.71	2.5	
AS-24		2.60	2.4	
AS-25		2.42	2.3	
AS-26		2.58	2.4	
AS-27		2.57	2.4	
AS-28	10	2.34	2.3	
AS-29		2.52	2.4	
AS-30		2.43	2.4	
Combine	16	11.00	34.1	

Combined 11.0 inches DP @ 16 psi = 35 scfm per 14 wells = 2.5 scfm per well = 2.5 inches DP per well.

**INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
JUNE 2008**

Name: Angela Harvey
 Date: 6/27/2008
 Hour meter: 3842.1

TABLE 1

INTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-1	0.5	20.3	0.0	0.0	0	1.7	0.020	7.6	Found in the fully open position.
SVE-2	0.5	20.4	0.0	0.0	0	2.6	0.018	7.4	Found in the fully open position.
SVE-3	0.4	20.2	0.1	0.0	0	1.7	0.020	7.6	Found in the fully open position.
SVE-4	1.1	20.4	0.0	0.0	0	2.7	0.019	7.5	
SVE-5	0.7	20.3	0.1	0.0	0	2.4	0.006	4.2	Fully open
SVE-6	0.5	20.4	0.0	0.0	0	1.2	0.020	7.6	
SVE-7	0.2	20.2	0.1	0.0	0	3.0	0.011	5.6	Fully open
SVE-8	0.5	20.1	0.0	0.0	0	3.0	0.018	7.4	
SVE-9	1.5	20.2	0.1	0.0	0	1.7	0.019	7.5	
SVE-10	0.4	20.3	0.1	0.0	0	1.6	0.019	7.5	
SVE-11	<0.1	20.2	0.1	0.0	0	1.9	0.019	7.5	
SVE-12	<0.1	20.3	0.1	0.0	0	3.4	0.019	7.5	
SVE-13	0.6	20.3	0.2	0.0	0	1.7	0.022	8.0	
SVE-14	0.5	20.3	0.0	0.0	0	2.1	0.021	7.6	
SVE-15	0.4	20.4	0.0	0.0	0	1.1	0.019	7.5	
SVE-16	1.2	20.4	0.1	0.0	0	2.0	0.019	7.5	
SSVW-1	0.8	20.3	0.0	0.0	0	2.3	0.019	7.5	
SSVW-2	0.5	20.4	0.0	0.0	0	1.9	0.021	7.6	
SSVW-3	0.7	20.2	0.0	0.0	0	1.6	0.019	7.5	
SSVW-4	0.4	20.1	0.1	0.0	0	1.8	0.020	7.6	
SSVW-5	0.2	20.4	0.1	0.0	0	0.2	0.021	7.6	
SSVW-6	1.6	20.5	0.1	0.0	0	1.6	0.021	7.6	
SSVW-7	0.8	20.5	0.0	0.0	0	0.1	0.021	7.6	
Combine (BD)	<0.1	20.0	0.1	0.0	0	8.4	--	--	
Combine (DH)	--	--	--	--	--	19.0	--	--	
Combine (AD)	--	--	--	--	--	26.4	--	--	
Combine (AB)	--	--	--	--	--	17.7	--	168.5	
Effluent 1st drum	<0.1	--	--	--	--	--	--	--	
Effluent 2nd drum	<0.1	--	--	--	--	--	--	--	

Combined 154 scfm per 23 wells = 6.69 scfm per well = 0.019 inches DP per well.

Name: Angela Harvey
 Date: 6/27/2008
 Hour meter: 3888.4

TABLE 2

EXTERIOR SVE SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	TVOC (ppm)	O2 (%)	CO2 (%)	CH4 (%)	LEL (%)	Vacuum (in.)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
SVE-17	1.6	18.7	0.5	0.0	0	1.2	NR	NR	
SVE-18	1.5	18.6	0.4	0.0	0	2.9	NR	NR	
SVE-19	1.2	18.4	0.6	0.0	0	2.9	NR	NR	
SVE-20	0.4	19.2	0.4	0.0	0	1.8	NR	NR	
SVE-21	0.2	19.0	0.1	0.0	0	2.7	NR	NR	
SVE-22	2.4	18.8	0.2	0.0	0	NR	NR	NR	
SVE-23	3.1	18.7	0.2	0.0	0	NR	NR	NR	
SVE-24	2.6	19.1	0.0	0.0	0	NR	NR	NR	
SVE-25	<0.1	19.0	0.1	0.0	0	NR	NR	NR	
SVE-26	<0.1	18.9	0.1	0.0	0	0.7	NR	NR	
SVE-27	0.5	18.8	0.1	0.0	0	1.8	NR	NR	
SVE-28	0.6	18.6	0.1	0.0	0	2.8	NR	NR	
SVE-29	0.5	18.7	0.1	0.0	0	2.7	NR	NR	
SVE-30	0.4	18.8	0.1	0.0	0	2.7	NR	NR	
Combine (BD)	0.2	19.8	0.3	0.0	0	6.6	NR	--	
Combine (DH)	--	--	--	--	--	9.0	--	--	
Combine (AD)	--	--	--	--	--	14.2	--	--	
Combine (AB)	--	--	--	--	--	4.9	--	NR	
Effluent 1st drum	0.4	--	--	--	--	--	--	--	
Effluent 2nd drum	<0.1	--	--	--	--	--	--	--	

NR = Not recorded; system was not balanced due to location of crane in yard.

TABLE 3

INTERIOR AS SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-1	9	2.74	2.5	Found in the fully open position.
AS-2		2.89	2.6	
AS-3		2.55	2.4	
AS-4	10	2.69	2.5	Found in the fully open position.
AS-5		2.75	2.5	
AS-6		2.70	2.5	
AS-7	10	2.84	2.6	
AS-8		2.60	2.5	
AS-9		2.67	2.5	
AS-10	8	2.69	2.4	
AS-11		2.63	2.4	
AS-12		2.68	2.4	
AS-13	9	2.79	2.4	
AS-14		2.62	2.5	
AS-15	9	2.72	2.5	
AS-16	10	2.70	2.5	
Combine	14	17.50	39.5	

Combined 17.5 inches DP @ 14 psi = 43.0 scfm per 16 wells = 2.7 scfm per well = 2.7 inches DP per well.

TABLE 4

EXTERIOR AS SYSTEM

Charbert Facility
 Alton, Rhode Island

Location	Pressure (psi)	Diff Pressure (in of water)	Flow (ft ³ /min)	Notes:
AS-17		NR	NR	
AS-18		NR	NR	
AS-19	NR	NR	NR	
AS-20		NR	NR	
AS-21		NR	NR	
AS-22		NR	NR	
AS-23	NR	NR	NR	
AS-24		NR	NR	
AS-25		NR	NR	
AS-26		NR	NR	
AS-27		NR	NR	
AS-28	NR	NR	NR	
AS-29		NR	NR	
AS-30		NR	NR	
Combine		NR	NR	

NR = Not recorded; system was not balanced due to location of crane in yard.

ATTACHMENT D

SECOND QUARTER 2008 UIC REPORT

July 7, 2008
File No. 32795.33



Mr. Craig Roy
Senior Environmental Scientist
RI Department of Environmental Management
Office of Water Resources
235 Promenade Street
Providence, Rhode Island 02908

530 Broadway
Providence
Rhode Island
02909
401-421-4140
FAX 401-751-8613
www.gza.net

Re: Second Quarter 2008 UIC Monitoring Report
Charbert, Division of N.F.A.
Richmond, Rhode Island
(UIC Order of Approval # 1108)

Dear Mr. Roy:

This letter with attachments serves as the Second Quarterly UIC Monitoring Report of 2008, in compliance with the above referenced UIC Order of Approval for the Charbert facility located at 299 Church Street in Richmond (Alton), Rhode Island. It was prepared by GZA GeoEnvironmental, Inc., on behalf of our client Charbert, a Division of N.F.A. As you are aware, the Charbert facility stopped production in late February of 2008. Thus, there is no wastewater to sample in the pumphouse and no wastewater volume to report. This report includes the following information:

- Analytical test results from the six monitoring wells (designated MW-1A, MW-2A, MW-3, MW-4A, MW-5B, and MW-6), which were analyzed for total and dissolved chromium, volatile organic compounds (VOCs), the semi-volatile organic compound bis(2-Ethylhexyl) phthalate, and total petroleum hydrocarbons (TPH). The detected analytes have been summarized and compared to RIDEM's GA Groundwater Objectives and Groundwater Quality Preventative Action Limits (PALs) in Table 1, attached.
- Disposal system usage and monitoring well maintenance activities are summarized in Table 2.
- Static groundwater elevation measurements and field screening logs for each monitoring well are provided in Attachment A.
- Laboratory Certificates of Analysis are provided in Attachment B.

The groundwater results have been compared to the applicable groundwater standards for Rhode Island and there are no VOC, SVOC or TPH exceedances. However, as noted on Table 1, total chromium in the sample from well MW-1A was above the PAL, and total chromium from the sample from well MW-2A exceeded the GA groundwater objective of 100 µg/l. Note that these two wells were sampled by bailing, versus the low-flow purge and sample method that is typically employed to minimize the displacement of soils.




As noted in the field sampling logs in Attachment A, the samples from these wells were relatively turbid, ranging from 48.3 NTU to 144 NTU, which can be an indication of suspended solids within the sample. Table 1 shows that the dissolved chromium concentrations for both wells were below the PAL, consistent with the results obtained since chromium testing at the wells commenced in December 2007. As such, we believe the total chromium concentrations were impacted by the sampling method and do not represent a significant change in groundwater conditions at the facility.

Acetone was detected at a concentration of 140 µg/l in the sample from MW-3. RIDEM has not established a groundwater standard for acetone, so for reference purposes, we compared the findings to the EPA Region 9's preliminary remediation goals (PRGs). The PRG for acetone in drinking water is 610 µg/l, above the observed level. The detected levels of each of these compounds are within historical ranges.

We trust that this information fulfills your present needs. If you have any questions please call Stephen Andrus or Edward Summerly at (401)-421-4140.

Very truly yours,

GZA GEOENVIRONMENTAL, INC.


Angela L. Harvey, E.I.T.
Project Engineer


Stephen Andrus, E.I.T.
Assistant Project Manager


Edward A. Summerly, P.G.
Principal

EAS/ALH:mac

CC: Mary Morgan, Richmond Town Clerk
Clark Memorial Library – Charbert Repository

Attachments: Tables - Table 1 Detected Constituents
Table 2 Lagoon Influent Schedule and Maintenance Schedules
Attachment A - Low Flow Sampling Logs
Attachment B - Laboratory Certificates of Analysis

TABLES

TABLE 1
 UIC MONITORING DETECTED CONSTITUENTS
 JUNE 2008

Charbert Facility
 Richmond, Rhode Island

	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	UNITS	MW-1A (GP-29)		MW-2A		MW-3 (RIZ-15)		MW-4A	
				02/21/2008 Result	Limit	02/21/2008 Result	Limit	02/21/2008 Result	Limit	02/21/2008 Result	Limit
VOLATILE ORGANICS:											
Acetone	NS	NS	ug/L (ppb)	<	25	<	25	140	25	<	25
TOTAL PETROLEUM HYDROCARBONS:											
Hydrocarbon Content	NS	NS	ug/L (ppb)	6700	200	18000	2000	2600	200	3500	200
TOTAL METALS:											
Chromium	100	50	ug/L (ppb)	60	5	110	5	14	5	18	5
DISSOLVED METALS:											
Chromium	NS	NS	ug/L (ppb)	35	5	32	5	7.9	5	13	5

PAL = RIDEMs Preventative Action Limit
 DETECTED ANALYTES ARE IN BOLD AND HIGHLIGHTED
 < = NOT DETECTED
 NT = NOT TESTED
 NS = NO STANDARD

INDICATES DETECTED CONSTITUANT

INDICATES RIDEM GA EXCEEDANCE

INDICATES RIDEM PAL EXCEEDANCE

TABLE 1
 UIC MONITORING DETECTED CONSTITUENTS
 JUNE 2008

Charbert Facility
 Richmond, Rhode Island

	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	UNITS	MW-5B (GP-30)		MW-6 (RIZ-20)	
				Result	Limit	Result	Limit
VOLATILE ORGANICS:							
Acetone	NS	NS	ug/L (ppb)	<	25	<	25
TOTAL PETROLEUM HYDROCARBONS:							
Hydrocarbon Content	NS	NS	ug/L (ppb)	630	200	660	200
TOTAL METALS:							
Chromium	100	50	ug/L (ppb)	5.3	5	<	5
DISSOLVED METALS:							
Chromium	NS	NS	ug/L (ppb)	5	5	<	5

PAL = RIDEMs Preventative Action Limit
 DETECTED ANALYTES ARE IN BOLD AND HIGHLIGHTED
 < = NOT DETECTED
 NT = NOT TESTED
 NS = NO STANDARD

INDICATES DETECTED CONSTITUANT

INDICATES RIDEM GA EXCEEDANCE

INDICATES RIDEM PAL EXCEEDANCE

**TABLE 2
UIC MONITORING
LAGOON INFLUENT SCHEDULE AND MAINTENANCE SCHEDULES
JUNE 2008**

Charbert Facility
Richmond, Rhode Island

LAGOON INFLUENT SCHEDULE			
DATE	RECEIVING LAGOON	CHANGED TO LAGOON	REMARKS
March 2008 to June 2008	None	Cessation of Discharge	Facility closed February 24, 2008.
January 2007 to March 2008	1	No Change	All industrial waste water is discharged to Lagoon 1. Lagoon 1 is used as a settling pond, waste water is then transferred by an electric powered pump from Lagoon 1 to Lagoon 2. A second electric powered pump transfers waste water from Lagoon 2 to Lagoon 3.
January 2006 to January 2007	1	No Change	All industrial waste water is discharged to Lagoon 1. Lagoon 1 is used as a settling pond, waste water is then pumped by a electric powered pump from Lagoon 1 to Lagoon 2. A second electric powered pump transfers waste water from Lagoon 2 to Lagoon 3.
December 2005 to January 2006	1	No Change	An electric powered pump was installed to transfer industrial waste water from Lagoon 1 to Lagoon 2. A diesel powered pump transfers waste water from Lagoon 2 to Lagoon 3.
LAGOON MAINTENANCE SCHEDULE			
	Date	Remarks	
Lagoon 1		There was no significant lagoon maintenance performed this quarter.	
Lagoon 2		There was no significant lagoon maintenance performed this quarter.	
Lagoon 3		There was no significant lagoon maintenance performed this quarter.	
MONITORING WELL MAINTENANCE			
	Well ID	Date	Remarks
	MW-1A (GP-29)		Required No Maintenance
	MW-2A		Required No Maintenance
	MW-3 (RIZ-15)		Required No Maintenance
	MW-4A		Required No Maintenance
	MW-5B		Required No Maintenance
	MW-6 (RIZ-20)		Required No Maintenance

ATTACHMENT A
LOW FLOW SAMPLING LOGS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert DATE: Monday, June 2, 2008
 GZA JOB NO.: 32795.33 WELL ID: MW-1A (GP-29)
 WEATHER: Clear AIR TEMP (°F): 80
 PUMP TYPE: Bailer DATUM: 66.90 TOP OF PVC ELEVATION
 SAMPLED BY: RC TOP OF CASING ELEVATION

WELL DEPTH (FT): 31.34 LENGTH OF WATER COLUMN (FT): 9.3
 WATER DEPTH (FT): 22.04 WELL DIAMETER: 2"
 UPPER PRODUCT LAYER (FT): NA WELL VOLUME: LITERS 5.74
 LOWER PRODUCT LAYER (FT): NA 2" WELL = 0.163 GALLONS /FT WATER = 0.617 LITERS/FT
 1" WELL = 0.013 GALLONS /FT WATER = 0.0492 LITERS/FT

FLOW RATE CALCULATIONS: START FLOW _____
 VOLUME: _____ Liters SAMPLE TIME: 17:00
 START TIME _____ DELTA TIME (MIN): _____
 END TIME _____ Seconds FLOW RATE: (L/min) _____
 MINIMUM PURGE TIME (MINUTES): _____ WELL DRAW DOWN (FT): _____ Flow Depth
 VOLUME PURGED (Liters): 11 Bailers _____ Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
17:00	-87	6.98	2.29	48.3	0.8	19.5

COLOR: Dark color WELL LOCKED YES X
 ODOR: Strong odor NO _____
 NOTES: Collected sample with a disposable polyethylene bailer.

GUIDELINES:
 TURBIDITY < 5NTU AND +/-10 %
 ORP +/- 10 mV
 DO 10%
 TEMP 3%
 SPEC COND 3%
 pH +/- 0.10 UNITS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert DATE: Tuesday, June 3, 2008
 GZA JOB NO.: 32795.33 WELL ID: MW-2A
 WEATHER: Clear AIR TEMP (°F): 75
 PUMP TYPE: Bailer DATUM: 63.59 TOP OF PVC ELEVATION
 SAMPLED BY: ALH TOP OF CASING ELEVATION

WELL DEPTH (FT): 19.72 LENGTH OF WATER COLUMN (FT): 7.68
 WATER DEPTH (FT): 12.04 WELL DIAMETER: 2"
 UPPER PRODUCT LAYER (FT): NA WELL VOLUME: LITERS 4.74
 LOWER PRODUCT LAYER (FT): NA 2" WELL = 0.163 GALLONS /FT WATER = 0.617 LITERS/FT
 1" WELL = 0.013 GALLONS /FT WATER = 0.0492 LITERS/FT

FLOW RATE CALCULATIONS: START FLOW _____
 VOLUME: _____ Liters SAMPLE TIME: 9:00
 START TIME _____ DELTA TIME (MIN): _____
 END TIME _____ Seconds FLOW RATE: (L/min) _____
 MINIMUM PURGE TIME (MINUTES): _____ WELL DRAW DOWN (FT): _____ Flow Depth
 VOLUME PURGED (Liters): 16 BAILERS _____ Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
9:12	-93	7.55	2.14	144	1.9	14.9

COLOR: Dark WELL LOCKED YES _____
 ODOR: Chemical odor NO X

NOTES: Well could not be pumped.
Collected sample with a disposable polyethylene bailer.

GUIDELINES:
 TURBIDITY <5 NTU AND +/-10 %
 ORP +/- 10 mV
 DO 10%
 TEMP 3%
 SPEC COND 3%
 pH +/- 0.10 UNITS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert DATE: Monday, June 2, 2008
 GZA JOB NO.: 32795.33 WELL ID: MW-3 (RIZ-15)
 WEATHER: Clear AIR TEMP (°F): 80
 PUMP TYPE: Peristaltic DATUM: 62.51 TOP OF PVC ELEVATION
 SAMPLED BY: ALH TOP OF CASING ELEVATION

WELL DEPTH (FT): 21.55 LENGTH OF WATER COLUMN (FT): 7.58
 WATER DEPTH (FT): 13.97 WELL DIAMETER: 2"
 UPPER PRODUCT LAYER (FT): NA WELL VOLUME: LITERS 4.68
 LOWER PRODUCT LAYER (FT): NA 2" WELL = 0.163 GALLONS /FT WATER = 0.617 LITERS/FT
 1" WELL = 0.013 GALLONS /FT WATER = 0.0492 LITERS/FT

FLOW RATE CALCULATIONS: START FLOW 13:37
 VOLUME: 0.5 Liters SAMPLE TIME: 13:57
 START TIME 0.0 DELTA TIME (MIN): 20
 END TIME 60 Seconds FLOW RATE: (L/min) 0.50
 MINIMUM PURGE TIME (MINUTES): 9.4 WELL DRAW DOWN (FT): 13.99 Flow Depth
 VOLUME PURGED (Liters): 10.0 -0.02 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
14:08	76	6.62	1.40	38.9	0.6	16.5
14:11	71	6.67	1.24	35.9	0.9	16.5
14:14	64	6.70	1.22	32.7	0.7	16.3

COLOR: None WELL LOCKED YES X
 ODOR: Faint odor NO _____

NOTES: _____

GUIDELINES:
 TURBIDITY <5 NTU AND +/-10 %
 ORP +/- 10 mV
 DO 10%
 TEMP 3%
 SPEC COND 3%
 pH +/- 0.10 UNITS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert DATE: Monday, June 2, 2008
 GZA JOB NO.: 32795.33 WELL ID: MW-5B (GP-30)
 WEATHER: Clear AIR TEMP (°F): 80
 PUMP TYPE: Peristaltic DATUM: 63.16 TOP OF PVC ELEVATION
 SAMPLED BY: ALH TOP OF CASING ELEVATION

WELL DEPTH (FT): 22.83 LENGTH OF WATER COLUMN (FT): 10.81
 WATER DEPTH (FT): 12.02 WELL DIAMETER: 2"
 UPPER PRODUCT LAYER (FT): NA WELL VOLUME: LITERS 6.67
 LOWER PRODUCT LAYER (FT): NA
 2" WELL = 0.163 GALLONS /FT WATER = 0.617 LITERS/FT
 1" WELL = 0.013 GALLONS /FT WATER = 0.0492 LITERS/FT

FLOW RATE CALCULATIONS: START FLOW 12:14
 VOLUME: 0.5 Liters SAMPLE TIME: 12:35
 START TIME 0.0 DELTA TIME (MIN): 21
 END TIME 68 Seconds FLOW RATE: (L/min) 0.44
 MINIMUM PURGE TIME (MINUTES): 15.1 WELL DRAW DOWN (FT): 12.04 Flow Depth
 VOLUME PURGED (Liters): 9.3 -0.02 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (oC)
12:47	9	6.83	0.90	176	0.5	14.5
12:50	11	6.73	0.90	168	0.5	14.8
12:53	13	6.83	0.90	167	0.6	14.9

COLOR: Slight pink WELL LOCKED YES X
 ODOR: Faint odor NO _____

NOTES: _____

GUIDELINES:
 TURBIDITY <5 NTU AND +/-10 %
 ORP +/- 10 mV
 DO 10%
 TEMP 3%
 SPEC COND 3%
 pH +/- 0.10 UNITS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert DATE: Monday, June 2, 2008
 GZA JOB NO.: 32795.33 WELL ID: MW-6 (RIZ-20)
 WEATHER: Clear AIR TEMP (°F): 80
 PUMP TYPE: Peristaltic DATUM: 60.79 TOP OF PVC ELEVATION
 SAMPLED BY: ALH TOP OF CASING ELEVATION

WELL DEPTH (FT): 20.85 LENGTH OF WATER COLUMN (FT): 7.04
 WATER DEPTH (FT): 13.81 WELL DIAMETER: 2"
 UPPER PRODUCT LAYER (FT): NA WELL VOLUME: LITERS 4.34
 LOWER PRODUCT LAYER (FT): NA
 2" WELL = 0.163 GALLONS /FT WATER = 0.617 LITERS/FT
 1" WELL = 0.013 GALLONS /FT WATER = 0.0492 LITERS/FT

FLOW RATE CALCULATIONS: START FLOW 14:59
 VOLUME: 0.5 Liters SAMPLE TIME: 15:14
 START TIME 0.0 DELTA TIME (MIN): 16
 END TIME 68 Seconds FLOW RATE: (L/min) 0.44
 MINIMUM PURGE TIME (MINUTES): 9.8 WELL DRAW DOWN (FT): 13.86 Flow Depth
 VOLUME PURGED (Liters): 7.1 -0.05 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
15:21	93	7.69	1.02	42.0	0.0	15.4
15:24	91	7.81	0.99	41.0	0.0	15.4
15:27	96	7.83	0.99	42.0	0.0	15.4

COLOR: None WELL LOCKED YES X
 ODOR: None NO _____

NOTES:

GUIDELINES:
 TURBIDITY <5 NTU AND +/- 10 %
 ORP +/- 10 mV
 DO 10%
 TEMP 3%
 SPEC COND 3%
 pH +/- 0.10 UNITS

ATTACHMENT B
LABORATORY CERTIFICATES OF ANALYSIS



GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

Laboratory Identification Numbers:
MA and ME: MA092 NH: 2028
CT: PH0579 RI: LAO00236
NELAC - NYS DOH: 11063

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Project No.: 03.0032795.33
Work Order No.: 0806-00024
Date Received: 06/04/2008
Date Reported: 06/13/2008

Stephen Andrus

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
06/02/2008	Aqueous	0806-00024 001	MW - 2A
06/02/2008	Aqueous	0806-00024 002	MW - 2A / Dissolved Metal
06/02/2008	Aqueous	0806-00024 003	MW - 3
06/02/2008	Aqueous	0806-00024 004	MW - 3 / Dissolved Metal
06/02/2008	Aqueous	0806-00024 005	MW - 4A
06/02/2008	Aqueous	0806-00024 006	MW - 4A / Dissolved Metal
06/02/2008	Aqueous	0806-00024 007	MW - 5B
06/02/2008	Aqueous	0806-00024 008	MW - 5B / Dissolved Metal
06/02/2008	Aqueous	0806-00024 009	MW - 6
06/02/2008	Aqueous	0806-00024 010	MW - 6 / Dissolved Metal
06/03/2008	Aqueous	0806-00024 011	MW - 1A
06/03/2008	Aqueous	0806-00024 012	MW - 1A / Dissolved Metal
06/02/2008	Aqueous	0806-00024 013	Trip Blank



GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**

Project No.: **03.0032795.33**

Date Received: **06/04/2008**

Date Reported: **06/13/2008**

Work Order No.: **0806-00024**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 06/04/08 via GZA courier, EC, FEDEX, or hand delivered. The temperature of the temperature blank/ cooler air, was 4.8 degrees C. The temperature requirement for most analyses is above freezing to 6 degrees C. The samples were received intact for all requested analyses.

The chain of custody indicates that the samples, when required, were chemically preserved in accordance with the method they reference.

2. EPA Method 6010B - Metals

Attach QC 6010B 06/09/08 - Aqueous

3. EPA Method 8260 - VOCs

Attach QC 8260 06/09/08 A - Aqueous

4. EPA Method 8270 - SVOCs

Attach QC 8270 06/09/08 - Aqueous

Attach Chromatograms

*Samples MW-2A, MW-5B, and MW-1A had low surrogate recoveries due to matrix interference. The samples were not re-extracted and re-analyzed as the entire sample was consumed during the extraction process. Chromatograms are included in this report.

5. Total Petroleum Hydrocarbons

* The diluted out surrogate recoveries are due to interference from the type and concentration of hydrocarbons present in the sample.



GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
Project No.: **03.0032795.33**

Date Received: **06/04/2008**
Date Reported: **06/13/2008**
Work Order No.: **0806-00024**

Data Authorized By: _____

NELAC certification, as indicated by the NELAC Lab ID Number, is per analyte. For a complete list of NELAC validated analytes, please contact the laboratory.

Abbreviations:

% R = % Recovery
DF = Dilution Factor
DFS = Dilution Factor Solids
CF = Calculation Factor
DO = Diluted Out

Method Key:

Method 8260: The current version of the method is 8260B.
Method 8021: The current version of the method is 8021B.
Method 8270: The current version of the method is 8270C.
Method 6010: The current version of the method is 6010B.

Please note that the laboratory signed copy of the chain of custody record is an integral part of the data report.

The laboratory report shall not be reproduced except in full without the written consent of the laboratory.

Soil data is reported on a dry weight basis unless otherwise specified.
Matrix Spike / Matrix Spike Duplicate sets are performed as per method and are reported at the end of the analytical report if assigned on the Chain of Custody.



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 2A**
 Sample Date: **06/02/2008**

Sample No.: **001**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 2A**
 Sample Date: **06/02/2008**

Sample No.: **001**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	103	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	94.0	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	93.5	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	06/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<6.0	ug/L	CMG	06/10/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 2A**
 Sample Date: **06/02/2008**

Sample No.: **001**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	24.0	* % R	CMG	06/10/2008
***2-Fluorobiphenyl	EPA 8270	24.4	* % R	CMG	06/10/2008
***P-Terphenyl-D14	EPA 8270	24.9	* % R	CMG	06/10/2008
Extraction	EPA 3510C	1.0	DF	CG	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/11/2008
Hydrocarbon Content		18000	ug/L	RJD	06/11/2008
Surrogate:					
***p-Terphenyl		DO	* % R	RJD	06/11/2008
Extraction	EPA 3510C	10	DF	TAJ	06/06/2008
TOTAL METALS					
Chromium	EPA 6010B	0.11	mg/L	LLZ	06/09/2008



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106 South Street
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ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
Project No.: **03.0032795.33**

Date Received: **06/04/2008**
Date Reported: **06/13/2008**
Work Order No.: **0806-00024**

Sample ID: **MW - 2A / Dissolved Metal**
Sample Date: **06/02/2008**

Sample No.: **002**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS Chromium	EPA 6010B	0.032	mg/L	LLZ	06/09/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: MW - 3
 Sample Date: 06/02/2008

Sample No.: 003

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	140	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



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 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 3**
 Sample Date: **06/02/2008**

Sample No.: **003**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	103	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	95.1	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	92.7	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	06/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<6.0	ug/L	CMG	06/10/2008



ANALYTICAL REPORT

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Project Name.: **Charbert UIC Quarterly Testing**
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Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 3**
 Sample Date: **06/02/2008**

Sample No.: **003**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	30.5	% R	CMG	06/10/2008
***2-Fluorobiphenyl	EPA 8270	35.2	% R	CMG	06/10/2008
***P-Terphenyl-D14	EPA 8270	37.6	% R	CMG	06/10/2008
Extraction	EPA 3510C	1.0	DF	CG	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/09/2008
Hydrocarbon Content		2600	ug/L	RJD	06/09/2008
Surrogate:					
***p-Terphenyl		48.6	% R	RJD	06/09/2008
Extraction	EPA 3510C	1.0	DF	TAJ	06/06/2008
TOTAL METALS					
Chromium	EPA 6010B	0.014	mg/L	LLZ	06/09/2008



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ANALYTICAL REPORT

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Project Name.: **Charbert UIC Quarterly Testing**
Project No.: **03.0032795.33**

Date Received: **06/04/2008**
Date Reported: **06/13/2008**
Work Order No.: **0806-00024**

Sample ID: **MW - 3 / Dissolved Metal**
Sample Date: **06/02/2008**

Sample No.: **004**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.0079	mg/L	LLZ	06/09/2008



ANALYTICAL REPORT

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Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 4A**
 Sample Date: **06/02/2008**

Sample No.: **005**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



ANALYTICAL REPORT

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Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: MW - 4A
 Sample Date: 06/02/2008

Sample No.: 005

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	99.3	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	93.1	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	94.4	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/09/2008
Hydrocarbon Content		3500	ug/L	RJD	06/09/2008



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ANALYTICAL REPORT

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Project Name.: Charbert UIC Quarterly Testing
Project No.: 03.0032795.33

Date Received: 06/04/2008
Date Reported: 06/13/2008
Work Order No.: 0806-00024

Sample ID: MW - 4A
Sample Date: 06/02/2008

Sample No.: 005

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogate: ***p-Terphenyl		88.5	% R	RJD	06/09/2008
Extraction	EPA 3510C	1.0	DF	TAJ	06/06/2008
TOTAL METALS Chromium	EPA 6010B	0.018	mg/L	LLZ	06/09/2008



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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
Project No.: **03.0032795.33**

Date Received: **06/04/2008**
Date Reported: **06/13/2008**
Work Order No.: **0806-00024**

Sample ID: **MW - 4A / Dissolved Metal**

Sample No.: **006**

Sample Date: **06/02/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS Chromium	EPA 6010B	0.013	mg/L	LLZ	06/09/2008



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Stephen Andrus

Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: MW - 5B
 Sample Date: 06/02/2008

Sample No.: 007

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



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Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 5B**
 Sample Date: **06/02/2008**

Sample No.: **007**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	92.1	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	95.3	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	90.6	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	06/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<6.0	ug/L	CMG	06/10/2008



ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 5B**
 Sample Date: **06/02/2008**

Sample No.: **007**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	6.73	* % R	CMG	06/10/2008
***2-Fluorobiphenyl	EPA 8270	6.63	* % R	CMG	06/10/2008
***P-Terphenyl-D14	EPA 8270	5.49	* % R	CMG	06/10/2008
Extraction	EPA 3510C	1.0	DF	CG	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/09/2008
Hydrocarbon Content		630	ug/L	RJD	06/09/2008
Surrogate:					
***p-Terphenyl		83.8	% R	RJD	06/09/2008
Extraction	EPA 3510C	1.0	DF	TAJ	06/06/2008
TOTAL METALS					
Chromium	EPA 6010B	0.0053	mg/L	LLZ	06/09/2008



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 Work Order No.: **0806-00024**

Sample ID: **MW - 5B / Dissolved Metal**
 Sample Date: **06/02/2008**

Sample No.: **008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS Chromium	EPA 6010B	0.0050	mg/L	LLZ	06/09/2008



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Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: MW - 6
 Sample Date: 06/02/2008

Sample No.: 009

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008

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Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 6**
 Sample Date: **06/02/2008**

Sample No.: **009**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	98.4	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	93.9	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	92.2	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	06/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<6.0	ug/L	CMG	06/10/2008



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ANALYTICAL REPORT

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Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 6**
 Sample Date: **06/02/2008**

Sample No.: **009**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	47.8	% R	CMG	06/10/2008
***2-Fluorobiphenyl	EPA 8270	45.4	% R	CMG	06/10/2008
***P-Terphenyl-D14	EPA 8270	34.2	% R	CMG	06/10/2008
Extraction	EPA 3510C	1.0	DF	CG	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/09/2008
Hydrocarbon Content		660	ug/L	RJD	06/09/2008
Surrogate:					
***p-Terphenyl		70.7	% R	RJD	06/09/2008
Extraction	EPA 3510C	1.0	DF	TAJ	06/06/2008
TOTAL METALS					
Chromium	EPA 6010B	<0.0050	mg/L	LLZ	06/09/2008



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Project No.: **03.0032795.33**

Date Received: **06/04/2008**
Date Reported: **06/13/2008**
Work Order No.: **0806-00024**

Sample ID: **MW - 6 / Dissolved Metal**
Sample Date: **06/02/2008**

Sample No.: **010**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS Chromium	EPA 6010B	<0.0050	mg/L	LLZ	06/09/2008



ANALYTICAL REPORT

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 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 1A**
 Sample Date: **06/03/2008**

Sample No.: **011**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: MW - 1A
 Sample Date: 06/03/2008

Sample No.: 011

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	108	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	94.2	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	93.3	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	06/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<6.0	ug/L	CMG	06/10/2008



GZA GeoEnvironmental, Inc.
 106 South Street
 Hopkinton, MA 01748
 (781) 278-4700

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 1A**
 Sample Date: **06/03/2008**

Sample No.: **011**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	23.0	* % R	CMG	06/10/2008
***2-Fluorobiphenyl	EPA 8270	27.1	* % R	CMG	06/10/2008
***P-Terphenyl-D14	EPA 8270	18.2	* % R	CMG	06/10/2008
Extraction	EPA 3510C	1.0	DF	CG	06/09/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	06/09/2008
Hydrocarbon Content		6700	ug/L	RJD	06/09/2008
Surrogate:					
***p-Terphenyl		56.4	% R	RJD	06/09/2008
Extraction	EPA 3510C	1.0	DF	TAJ	06/06/2008
TOTAL METALS					
Chromium	EPA 6010B	0.060	mg/L	LLZ	06/09/2008



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ANALYTICAL REPORT

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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **MW - 1A / Dissolved Metal**

Sample No.: **012**

Sample Date: **06/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS Chromium	EPA 6010B	0.035	mg/L	LLZ	06/09/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
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Stephen Andrus

Project Name.: **Charbert UIC Quarterly Testing**
 Project No.: **03.0032795.33**

Date Received: **06/04/2008**
 Date Reported: **06/13/2008**
 Work Order No.: **0806-00024**

Sample ID: **Trip Blank**
 Sample Date: **06/02/2008**

Sample No.: **013**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	06/09/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	06/09/2008
Acetone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	06/09/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	06/09/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	06/09/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	06/09/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	06/09/2008



ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
 140 Broadway
 Providence, RI 02903

Stephen Andrus

Project Name.: Charbert UIC Quarterly Testing
 Project No.: 03.0032795.33

Date Received: 06/04/2008
 Date Reported: 06/13/2008
 Work Order No.: 0806-00024

Sample ID: Trip Blank
 Sample Date: 06/02/2008

Sample No.: 013

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	06/09/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	06/09/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	06/09/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	06/09/2008
Surrogates:	EPA 8260				
***Dibromofluoromethane	EPA 8260	93.8	% R	MQS	06/09/2008
***Toluene-D8	EPA 8260	95.7	% R	MQS	06/09/2008
***4-Bromofluorobenzene	EPA 8260	91.2	% R	MQS	06/09/2008
Preparation	EPA 5030B	1.0	CF	MQS	06/09/2008

ENVIRONMENTAL CHEMISTRY LABORATORY
 106 SOUTH ST, HOPKINTON, MA 01748
 MASSACHUSETTS LABORATORY I.D. NO. MA092

EPA METHOD 6010B ANALYSIS
 Metals by ICP

QUALITY CONTROL - AQUEOUS

DATE PREPARED: 6/09/2008

QC Sample	Method Blank	Lab Control Sample	Lab Control Sample Duplicate	LC/LCD
Units	mg/L	% Recovery	% Recovery	RPD
Acceptance Limits	Results	80-120	80-120	20%
Analyte				
Silver (Ag)	NA	NA	NA	NA
Aluminum (Al)	NA	NA	NA	NA
Arsenic (As)	<0.010	101	102	1.43
Boron (B)	NA	NA	NA	NA
Barium (Ba)	NA	NA	NA	NA
Beryllium (Be)	NA	NA	NA	NA
Calcium (Ca)	NA	NA	NA	NA
Cadmium (Cd)	NA	NA	NA	NA
Cobalt (Co)	NA	NA	NA	NA
Chromium (Cr)	<0.0050	100	101	0.77
Copper (Cu)	NA	NA	NA	NA
Iron (Fe)	NA	NA	NA	NA
Magnesium (Mg)	NA	NA	NA	NA
Manganese (Mn)	<0.0050	103	104	1.11
Molybdenum (Mo)	NA	NA	NA	NA
Nickel (Ni)	NA	NA	NA	NA
Lead (Pb)	<0.010	102	103	0.88
Antimony (Sb)	NA	NA	NA	NA
Selenium (Se)	NA	NA	NA	NA
Strontium (Sr)	NA	NA	NA	NA
Titanium (Ti)	NA	NA	NA	NA
Thallium (Tl)	NA	NA	NA	NA
Vanadium (V)	NA	NA	NA	NA
Zinc (Zn)	NA	NA	NA	NA
Zirconium (Zr)	NA	NA	NA	NA

RPD = Relative Percent Difference

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

EPA Method 8260 / 524.2 Aqueous Method Blank (MB) and Laboratory Control Sample (LCS) Data

Method Blank

Date Analyzed:	08/2008	Acceptance Limit
Volatiles Organics	Conc. ug/L	
dichlorodifluoromethane	< 1.0	< 1.0
chloromethane	< 1.0	< 1.0
vinyl chloride	< 0.5	< 0.5
bromomethane	< 1.0	< 1.0
chloroethane	< 0.5	< 0.5
trichlorofluoromethane	< 1.0	< 1.0
diethyl ether	< 2.5	< 2.5
acrolein	< 13	< 13
acetone	< 13	< 13
1,1-dichloroethane	< 0.5	< 0.5
FREON-113	< 1.0	< 1.0
iodomethane	< 0.5	< 0.5
carbon disulfide	< 5.0	< 5.0
dichloromethane	< 1.0	< 1.0
tert-butyl alcohol (TBA)	< 13	< 13
acrylonitrile	< 0.5	< 0.5
methyl-tert-butyl-ether	< 0.5	< 0.5
trans-1,2-dichloroethane	< 0.5	< 0.5
1,1-dichloroethane	< 0.5	< 0.5
di-isopropyl ether (DIPE)	< 1.0	< 1.0
ethyl tert-butyl ether (ETBE)	< 1.0	< 1.0
vinyl acetate	< 13	< 13
2-butanone	< 13	< 13
2,2-dichloropropane	< 0.5	< 0.5
cis-1,2-dichloroethane	< 0.5	< 0.5
chloroform	< 0.5	< 0.5
bromochloromethane	< 0.5	< 0.5
tetrahydrofuran	< 5.0	< 5.0
1,1,1-trichloroethane	< 0.5	< 0.5
1,1-dichloropropene	< 0.5	< 0.5
carbon tetrachloride	< 0.5	< 0.5
1,2-dichloroethane	< 0.5	< 0.5
benzene	< 0.5	< 0.5
tert-amyl methyl ether (TAME)	< 1.0	< 1.0
trichloroethene	< 0.5	< 0.5
1,2-dichloropropane	< 0.5	< 0.5
bromodichloromethane	< 0.5	< 0.5
1,4-Dioxane	< 50	< 50
dibromomethane	< 0.5	< 0.5
4-methyl-2-pentanone	< 13	< 13
cis-1,3-dichloropropene	< 0.5	< 0.5
toluene	< 0.5	< 0.5
trans-1,3-dichloropropene	< 1.0	< 1.0
1,1,2-trichloroethane	< 0.5	< 0.5
2-hexanone	< 13	< 13
1,3-dichloropropene	< 0.5	< 0.5
tetrachloroethene	< 0.5	< 0.5
dibromochloromethane	< 0.5	< 0.5
1,2-dibromoethane (EDB)	< 1.0	< 1.0
chlorobenzene	< 0.5	< 0.5
1,1,1,2-tetrachloroethane	< 0.5	< 0.5
ethylbenzene	< 0.5	< 0.5
1,1,2,2-tetrachloroethane	< 0.5	< 0.5
m&p-xylene	< 1.0	< 1.0
o-xylene	< 0.5	< 0.5
styrene	< 0.5	< 0.5
bromoform	< 1.0	< 1.0
isopropylbenzene	< 0.5	< 0.5
1,2,3-trichloropropane	< 0.5	< 0.5
bromobenzene	< 0.5	< 0.5
n-propylbenzene	< 0.5	< 0.5
2-chlorotoluene	< 0.5	< 0.5
1,3,5-trimethylbenzene	< 0.5	< 0.5
trans-1,4-dichloro-2-butene	< 1.0	< 1.0
4-chlorotoluene	< 0.5	< 0.5
tert-butyl-benzene	< 0.5	< 0.5
1,2,4-trimethylbenzene	< 0.5	< 0.5
sec-butyl-benzene	< 0.5	< 0.5
p-isopropyltoluene	< 0.5	< 0.5
1,3-dichlorobenzene	< 0.5	< 0.5
1,4-dichlorobenzene	< 0.5	< 0.5
n-butylbenzene	< 0.5	< 0.5
1,2-dichlorobenzene	< 0.5	< 0.5
1,2-dibromo-3-chloropropane	< 2.5	< 2.5
1,2,4-trichlorobenzene	< 0.5	< 0.5
hexachlorobutadiene	< 0.5	< 0.5
naphthalene	< 1.0	< 1.0
1,2,3-trichlorobenzene	< 0.5	< 0.5

Laboratory Control Sample

Date Analyzed:	08/2008	Acceptance Limits	Verdict
Spike Concentration = 20ug/L	% Recovery		
dichlorodifluoromethane	98.3	70-130	ok
chloromethane	99.8	70-130	ok
vinyl chloride	110	70-130	ok
bromomethane	95.8	70-130	ok
chloroethane	109	70-130	ok
trichlorofluoromethane	91.5	70-130	ok
diethyl ether	105	70-130	ok
acrolein	108	70-130	ok
acetone	98.3	70-130	ok
1,1-dichloroethane	100.0	70-130	ok
FREON-113	89.4	70-130	ok
iodomethane	93.0	70-130	ok
carbon disulfide	100	70-130	ok
dichloromethane	95.5	70-130	ok
tert-butyl alcohol (TBA)	129	70-130	ok
acrylonitrile	108	70-130	ok
methyl-tert-butyl-ether	98.8	70-130	ok
trans-1,2-dichloroethane	102	70-130	ok
1,1-dichloroethane	108	70-130	ok
di-isopropyl ether (DIPE)	98.1	70-130	ok
ethyl tert-butyl ether (ETBE)	100	70-130	ok
vinyl acetate	101	70-130	ok
2-butanone	112	70-130	ok
2,2-dichloropropane	105	70-130	ok
cis-1,2-dichloroethane	101	70-130	ok
chloroform	82.1	70-130	ok
bromochloromethane	99.5	70-130	ok
tetrahydrofuran	114	70-130	ok
1,1,1-trichloroethane	98.3	70-130	ok
1,1-dichloropropene	99.4	70-130	ok
carbon tetrachloride	91.8	70-130	ok
1,2-dichloroethane	102	70-130	ok
benzene	102	70-130	ok
tert-amyl methyl ether (TAME)	102	70-130	ok
trichloroethene	93.2	70-130	ok
1,2-dichloropropane	104	70-130	ok
bromodichloromethane	94.0	70-130	ok
1,4-Dioxane	114	70-130	ok
dibromomethane	88.8	70-130	ok
4-methyl-2-pentanone	101	70-130	ok
cis-1,3-dichloropropene	98.1	70-130	ok
toluene	97.3	70-130	ok
trans-1,3-dichloropropene	94.1	70-130	ok
1,1,2-trichloroethane	92.4	70-130	ok
2-hexanone	100	70-130	ok
1,3-dichloropropene	101	70-130	ok
tetrachloroethene	88.3	70-130	ok
dibromochloromethane	89.7	70-130	ok
1,2-dibromoethane (EDB)	94.7	70-130	ok
chlorobenzene	90.8	70-130	ok
1,1,1,2-tetrachloroethane	85.8	70-130	ok
ethylbenzene	95.7	70-130	ok
1,1,2,2-tetrachloroethane	83.7	70-130	ok
m&p-xylene	85.2	70-130	ok
o-xylene	108	70-130	ok
styrene	108	70-130	ok
bromoform	95.2	70-130	ok
isopropylbenzene	107	70-130	ok
1,2,3-trichloropropane	111	70-130	ok
bromobenzene	98.1	70-130	ok
n-propylbenzene	110	70-130	ok
2-chlorotoluene	109	70-130	ok
1,3,5-trimethylbenzene	109	70-130	ok
trans-1,4-dichloro-2-butene	120	70-130	ok
4-chlorotoluene	111	70-130	ok
tert-butyl-benzene	105	70-130	ok
1,2,4-trimethylbenzene	109	70-130	ok
sec-butyl-benzene	111	70-130	ok
p-isopropyltoluene	108	70-130	ok
1,3-dichlorobenzene	104	70-130	ok
1,4-dichlorobenzene	102	70-130	ok
n-butylbenzene	113	70-130	ok
1,2-dichlorobenzene	98.9	70-130	ok
1,2-dibromo-3-chloropropane	108	70-130	ok
1,2,4-trichlorobenzene	108	70-130	ok
hexachlorobutadiene	92.0	70-130	ok
naphthalene	102	70-130	ok
1,2,3-trichlorobenzene	108	70-130	ok

SMF criteria allows 5 compounds to be outside acceptance limits

Surrogate:	Recovery (%)	Acceptance Limits	Surrogate:	Recovery (%)	Acceptance Limits	Verdict
DIBROMOFLUOROMETHANE	92.3	70-130	DIBROMOFLUOROMETHANE	91.0	70-130	ok
1,2-DICHLOROETHANE-D4	90.5	70-130	1,2-DICHLOROETHANE-D4	88.6	70-130	ok
TOLUENE-D8	97.8	70-130	TOLUENE-D8	83.9	70-130	ok
4-BROMOFLUOROENZENE	91.8	70-130	4-BROMOFLUOROENZENE	91.4	70-130	ok
1,2-DICHLOROBENZENE-D4	98.2	70-130	1,2-DICHLOROBENZENE-D4	98.1	70-130	ok

EPA Method 8270/825 Aqueous Method Blank (MB) and Laboratory Control Sample (LCS) Data

Method Blank

Date Extracted: 08/09/08
 Date Analyzed: 08/10/08
 File Name: L7718

	Result	Reporting Limit (ug/L)
Semi-Volatile Organics		
n-nitrosodimethylamine	ND	10
pyridine	ND	100
phenol	ND	10
bis(2-chloroethyl)ether	ND	10
2-chlorophenol	ND	10
1,3-dichlorobenzene	ND	10
1,4-dichlorobenzene	ND	10
benzyl alcohol	ND	20
1,2-dichlorobenzene	ND	10
2-methylphenol	ND	10
bis(2-chloroisopropyl)ether	ND	10
3&4-methylphenol	ND	10
n-nitrosod-n-propylamine	ND	10
acetophenone	ND	10
hexachloroethane	ND	10
nitrobenzene	ND	10
isophrene	ND	10
2-nitrophenol	ND	10
2,4-dimethylphenol	ND	10
benzoic acid	ND	10
bis(2-chloroethoxy)methane	ND	10
2,4-dichlorophenol	ND	10
1,2,4-trichlorobenzene	ND	10
naphthalene	ND	2.0
4-chloroaniline	ND	10
hexachlorobutadiene	ND	10
4-chloro-3-methylphenol	ND	20
2-methylnaphthalene	ND	2.0
1,2,4,5-Tetrachlorobenzene	ND	10
aniline	ND	10
hexachlorocyclopentadiene	ND	50
2,4,6-trichlorophenol	ND	10
2,4,5-trichlorophenol	ND	10
2-chloronaphthalene	ND	10
2-nitroaniline	ND	50
dimethylphthalate	ND	10
acenaphthylene	ND	2.0
2,6-dinitrotoluene	ND	10
3-nitroaniline	ND	50
acenaphthene	ND	2.0
2,4-dinitrophenol	ND	100
dibenzofuran	ND	10
4-nitrophenol	ND	50
2,4-dinitrotoluene	ND	10
diethylphthalate	ND	10
fluorene	ND	2.0
4-chlorophenyl phenyl ether	ND	10
4-nitroaniline	ND	20
4,6-dinitro-2-methylphenol	ND	50
n-nitrosodiphenylamine	ND	10
azobenzene	ND	10
4-bromophenyl phenyl ether	ND	10
Pentachloronitrobenzene	ND	10
hexachlorobenzene	ND	10
pentachlorophenol	ND	50
phenanthrene	ND	2.0
anthracene	ND	2.0
carbazole	ND	10
di-n-butylphthalate	ND	15
fluoranthene	ND	2.0
pyrene	ND	2.0
butylbenzylphthalate	ND	10
benz [a] anthracene	ND	2.0
3,3'-dichlorobenzidine	ND	20
chrysene	ND	2.0
bis(2-ethylhexyl)phthalate	ND	10
di-n-octylphthalate	ND	10
benzo [b] fluoranthene	ND	2.0
benzo [k] fluoranthene	ND	2.0
benzo [e] pyrene	ND	2.0
indeno [1,2,3-cd] pyrene	ND	2.0
dibenz [a,h] anthracene	ND	2.0
benzo [ghi] perylene	ND	2.0

Surrogates:	Recovery (%)	Acceptance Limits
2-FLUOROPHENOL	25.3	15-110
PHENOL-D8	15.8	15-110
NITROBENZENE-D5	61.4	30-130
2-FLUOROBIPHENYL	59.4	30-130
2,4,6-TRIBROMOPHENOL	58.1	15-100
p-TERPHENYL-D14	65.1	30-130

EPA Method 8270/825 Aqueous Method Blank (MB) and Laboratory Control Sample (LCS) Data

Laboratory Control Sample

Laboratory Control Sample Duplicate

Date Extracted: 09/09/08
 Date Analyzed: 09/10/08
 File Name: L7716

Date Extracted: 09/09/08
 Date Analyzed: 09/10/08
 File Name: L7716

Spike Concentration = 20ug/L	% Recovery	Acceptance Limits	Verdict	% Recovery	Acceptance Limits	Verdict	Relative % Diff	Limits	Verdict
n-nitrosodimethylamine	46.6	40-140	ok	46.6	40-140	ok	0.00	<20	ok
pyridine	22.6	40-140	out	22.6	40-140	out	0.00	<20	ok
phenol	38.1	30-130	ok	38.1	30-130	ok	0.00	<20	ok
bis(2-chloroethyl)ether	75.2	40-140	ok	75.2	40-140	ok	0.00	<20	ok
2-chlorophenol	73.4	30-130	ok	73.4	30-130	ok	0.00	<20	ok
1,3-dichlorobenzene	56.2	40-140	ok	56.2	40-140	ok	0.00	<20	ok
1,4-dichlorobenzene	57.3	40-140	ok	57.3	40-140	ok	0.00	<20	ok
benzyl alcohol	85.1	40-140	ok	85.1	40-140	ok	0.00	<20	ok
1,2-dichlorobenzene	62.3	40-140	ok	62.3	40-140	ok	0.00	<20	ok
2-methylphenol	68.3	30-130	ok	68.3	30-130	ok	0.00	<20	ok
bis(2-chloroacetyl)ether	70.1	40-140	ok	70.1	40-140	ok	0.00	<20	ok
3,4-methylphenol	124	30-140	ok	124	30-130	ok	0.00	<20	ok
n-nitrosodi-n-propylamine	78.6	40-140	ok	78.6	40-140	ok	0.00	<20	ok
scatophenone	74.5	40-140	ok	74.5	40-140	ok	0.00	<20	ok
hexachloroethane	51.1	40-140	ok	51.1	40-140	ok	0.00	<20	ok
nitrobenzene	78.4	40-140	ok	78.4	40-140	ok	0.00	<20	ok
isophrene	87.7	30-130	ok	87.7	30-130	ok	0.00	<20	ok
2-nitrophenol	78.6	30-130	ok	78.6	30-130	ok	0.00	<20	ok
2,4-dimethylphenol	70.0	30-130	ok	70.0	30-130	ok	0.00	<20	ok
benzoic acid	14.2	40-140	out	14.2	40-140	out	0.00	<20	ok
bis(2-chloroethoxy)methane	77.6	30-130	ok	77.6	30-130	ok	0.00	<20	ok
2,4-dichlorophenol	78.0	40-140	ok	78.0	40-140	ok	0.00	<20	ok
1,2,4-trichlorobenzene	62.2	40-140	ok	62.2	40-140	ok	0.00	<20	ok
naphthalene	72.0	40-140	ok	72.0	40-140	ok	0.00	<20	ok
4-chloroaniline	75.3	40-140	ok	75.3	40-140	ok	0.00	<20	ok
hexachlorobutadiene	55.7	30-130	ok	55.7	30-130	ok	0.00	<20	ok
4-chloro-3-methylphenol	78.2	40-140	ok	78.2	40-140	ok	0.00	<20	ok
2-methylnaphthalene	70.0	40-140	ok	70.0	40-140	ok	0.00	<20	ok
1,2,4,5-Tetrachlorobenzene	98.3	40-140	ok	98.3	40-140	ok	0.00	<20	ok
aniline	54.4	40-140	ok	54.4	40-140	ok	0.00	<20	ok
hexachlorocyclopentadiene	24.3	30-130	out	24.3	30-130	out	0.00	<20	ok
2,4,6-trichlorophenol	77.5	30-130	ok	77.5	30-130	ok	0.00	<20	ok
2,4,5-trichlorophenol	81.3	40-140	ok	81.3	40-140	ok	0.00	<20	ok
2-chloronaphthalene	72.7	40-140	ok	72.7	40-140	ok	0.00	<20	ok
2-nitroaniline	80.9	40-140	ok	80.9	40-140	ok	0.00	<20	ok
dimethylphthalate	84.7	40-140	ok	84.7	40-140	ok	0.00	<20	ok
acenaphthylene	80.6	40-140	ok	80.6	40-140	ok	0.00	<20	ok
2,6-dinitrotoluene	81.2	40-140	ok	81.2	40-140	ok	0.00	<20	ok
3-nitroaniline	80.9	40-140	ok	80.9	40-140	ok	0.00	<20	ok
acenaphthene	78.7	30-130	ok	78.7	30-130	ok	0.00	<20	ok
2,4-dinitrophenol	26.5	40-140	out	26.5	40-140	out	0.00	<20	ok
dibenzofuran	78.1	30-130	ok	78.1	30-130	ok	0.00	<20	ok
4-nitrophenol	34.8	40-140	out	34.8	40-140	out	0.00	<20	ok
2,4-dinitrotoluene	82.0	40-140	ok	82.0	40-140	ok	0.00	<20	ok
diethylphthalate	88.4	40-140	ok	88.4	40-140	ok	0.00	<20	ok
fluorane	82.4	40-140	ok	82.4	40-140	ok	0.00	<20	ok
4-chlorophenyl phenyl ether	78.8	40-140	ok	78.8	40-140	ok	0.00	<20	ok
4-nitroaniline	85.6	30-130	ok	85.6	30-130	ok	0.00	<20	ok
4,6-dinitro-2-methylphenol	45.3	40-140	ok	45.3	40-140	ok	0.00	<20	ok
n-nitrosodiphenylamine	68.2	40-140	ok	68.2	40-140	ok	0.00	<20	ok
azobenzene	79.4	40-140	ok	79.4	40-140	ok	0.00	<20	ok
4-bromophenyl phenyl ether	80.4	40-140	ok	80.4	40-140	ok	0.00	<20	ok
Pentachloronitrobenzene	132	30-130	out	132	30-130	out	0.00	<20	ok
hexachlorobenzene	82.4	40-140	ok	82.4	40-140	ok	0.00	<20	ok
pentachlorophenol	72.1	40-140	ok	72.1	40-140	ok	0.00	<20	ok
phenanthrene	84.6	40-140	ok	84.6	40-140	ok	0.00	<20	ok
anthracene	85.1	40-140	ok	85.1	40-140	ok	0.00	<20	ok
carbazole	84.4	40-140	ok	84.4	40-140	ok	0.00	<20	ok
di-n-butylphthalate	87.5	40-140	ok	87.5	40-140	ok	0.00	<20	ok
fluoranthene	91.1	40-140	ok	91.1	40-140	ok	0.00	<20	ok
pyrene	86.0	40-140	ok	86.0	40-140	ok	0.00	<20	ok
butylbenzylphthalate	85.1	40-140	ok	85.1	40-140	ok	0.00	<20	ok
benz [a] anthracene	83.4	40-140	ok	83.4	40-140	ok	0.00	<20	ok
3,3'-dichlorobenzidine	49.6	40-140	ok	49.6	40-140	ok	0.00	<20	ok
chrysene	83.6	40-140	ok	83.6	40-140	ok	0.00	<20	ok
bis(2-ethylhexyl)phthalate	89.2	40-140	ok	89.2	40-140	ok	0.00	<20	ok
di-n-octylphthalate	88.0	40-140	ok	88.0	40-140	ok	0.00	<20	ok
benzo [b] fluoranthene	89.6	40-140	ok	89.6	40-140	ok	0.00	<20	ok
benzo [k] fluoranthene	93.5	40-140	ok	93.5	40-140	ok	0.00	<20	ok
benzo [e] pyrene	87.2	40-140	ok	87.2	40-140	ok	0.00	<20	ok
indeno [1,2,3-cd] pyrene	91.6	40-140	ok	91.6	40-140	ok	0.00	<20	ok
dibenz [a,h] anthracene	90.9	40-140	ok	90.9	40-141	ok	0.00	<21	ok
benzo [ghi] perylene	87.8	40-140	ok	87.8	40-142	ok	0.00	<22	ok

CAM criteria allows 15% of analytes to exceed criteria.

Surrogate:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	Relative % Diff	Limits	Verdict
2-FLUOROPHENOL	48.7	15-110	ok	48.7	10-100	ok	0.00	<20	ok
PHENOL-D8	33.0	15-110	ok	33.0	10-100	ok	0.00	<20	ok
NITROBENZENE-D5	75.9	30-130	ok	75.9	10-130	ok	0.00	<20	ok
2-FLUOROBIPHENYL	71.7	30-130	ok	71.7	10-106	ok	0.00	<20	ok
2,4,6-TRIBROMOPHENOL	81.1	15-110	ok	81.13	14-134	ok	0.00	<20	ok
p-TERPHENYL-D14	78.7	30-130	ok	78.74	11-102	ok	0.00	<20	ok

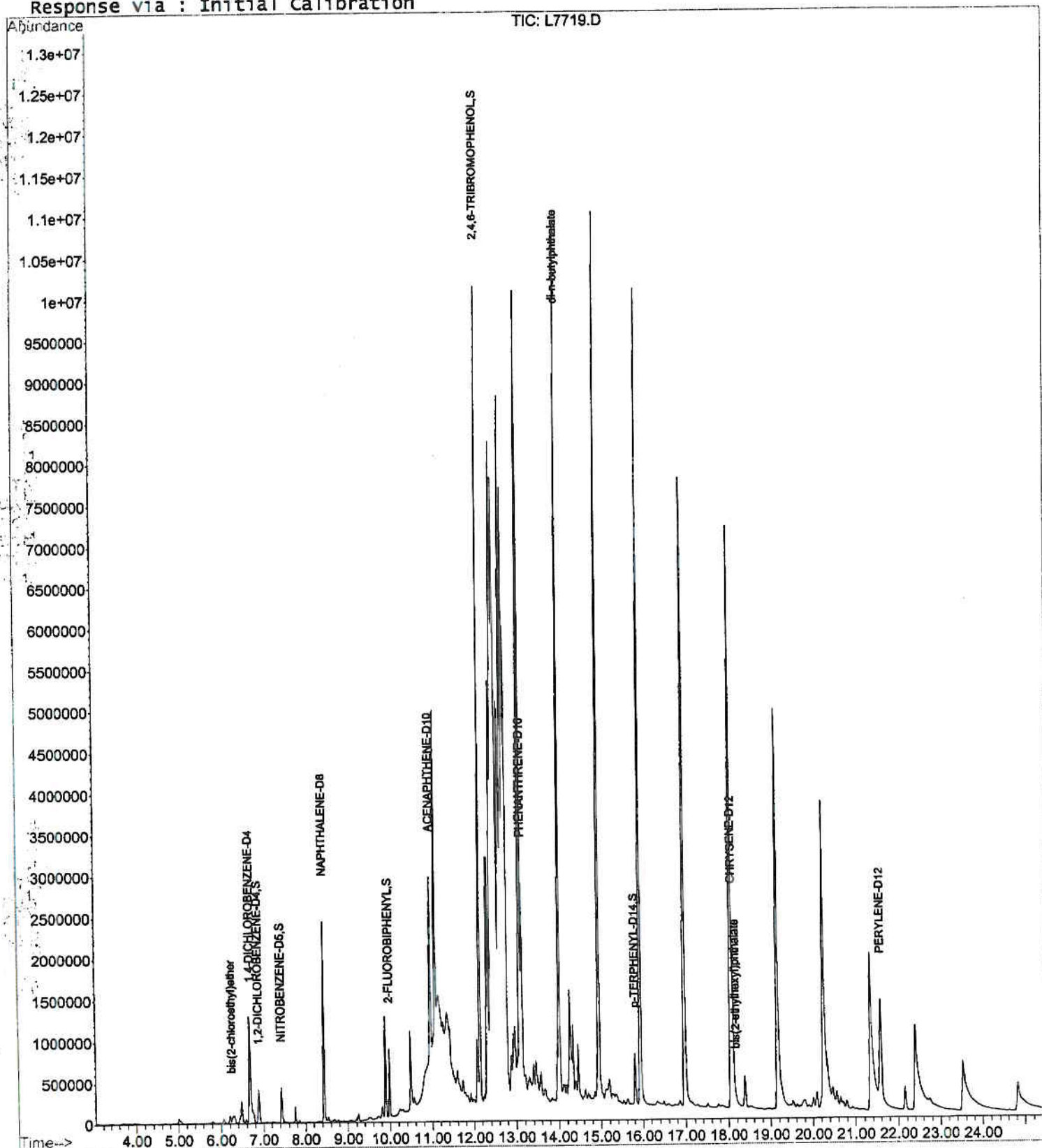
Quantitation Report

Data File : C:\HPCHEM\DATA\L7719.D
Acq On : 10 Jun 2008 7:58 pm
Sample : 0806-00024-001 df=1/500
Misc : CG e:6/9/08 <8270> is:A055436
MS Integration Params: INTP58.P
Quant Time: Jun 11 12:15 2008

Vial: 15
Operator: cmg
Inst : INGRID
Multiplr: 0.00

Quant Results File: IABN159.RES

Method : C:\HPCHEM\1\METHODS\IABN159.M (RTE Integrator)
Title : 8270 ABN ICAL - May28, 2008 (#S7646-#S7656)
Last Update : Fri Jun 06 15:57:13 2008
Response via : Initial Calibration



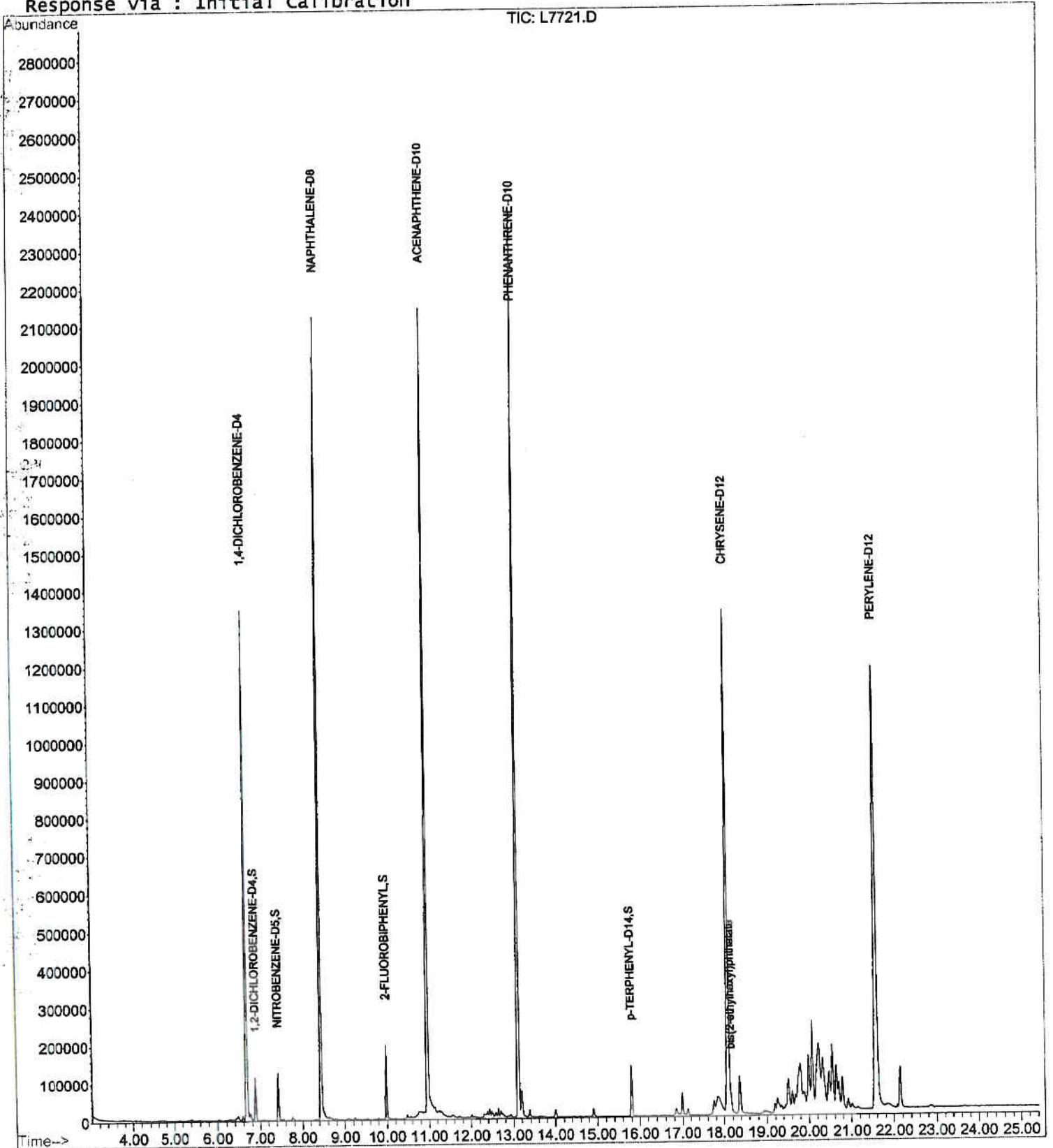
Quantitation Report

Data File : C:\HPCHEM\DATA\L7721.D
Acq On : 10 Jun 2008 9:13 pm
Sample : 0806-00024-007 df=1/500
Misc : CG e:6/9/08 <8270> is:A055436
MS Integration Params: INTP58.P
Quant Time: Jun 11 12:21 2008

Vial: 17
Operator: cmg
Inst : INGRID
Multiplr: 0.00

Quant Results File: IABN159.RES

Method : C:\HPCHEM\1\METHODS\IABN159.M (RTE Integrator)
Title : 8270 ABN ICAL - May28, 2008 (#S7646-#S7656)
Last update : Fri Jun 06 15:57:13 2008
Response via : Initial Calibration



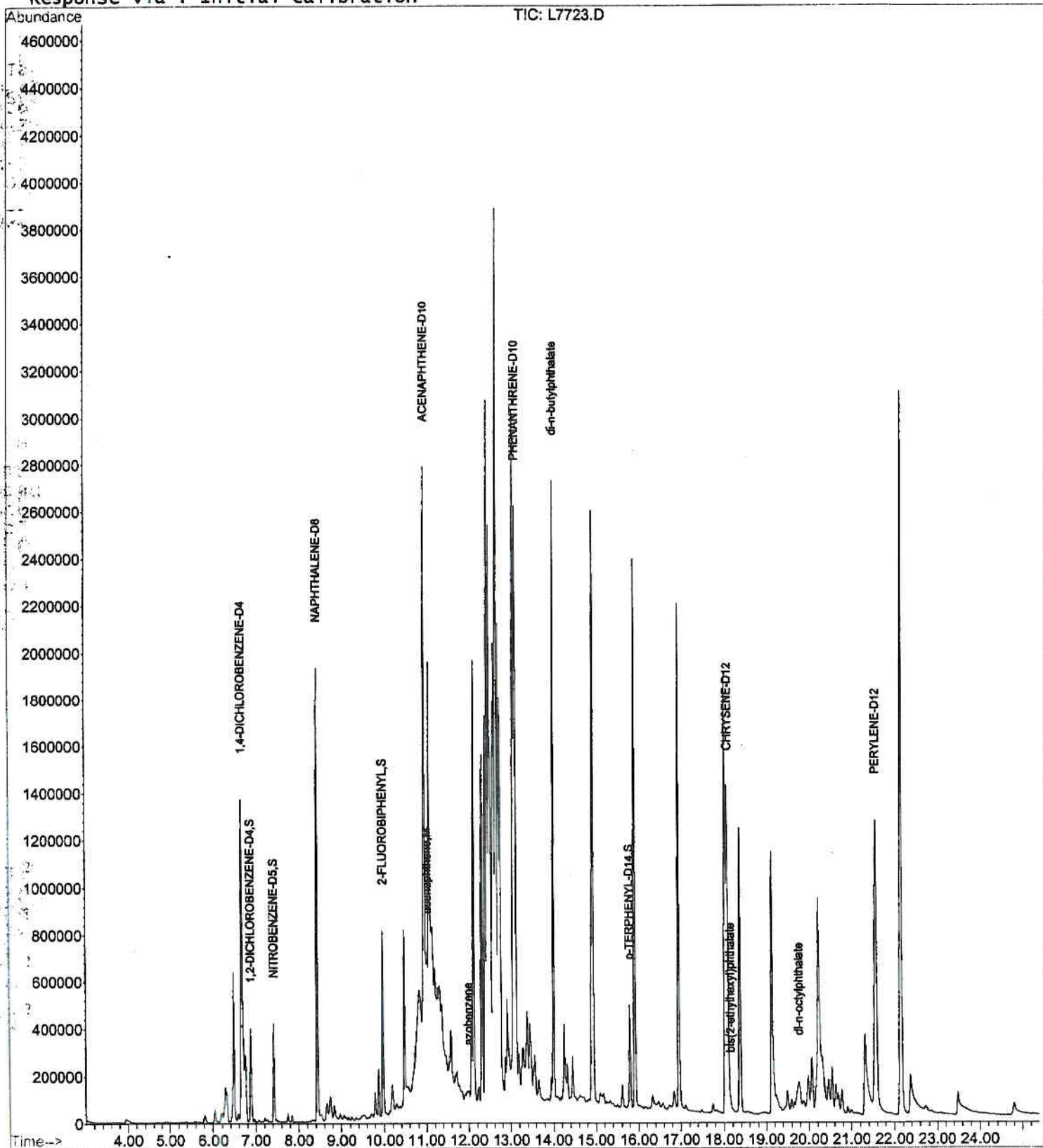
Quantitation Report

Data File : C:\HPCHEM\DATA\L7723.D
Acq On : 10 Jun 2008 10:27 pm
Sample : 0806-00024-011 df=1/500
Misc : CG e:6/9/08 <8270> is:A055436
MS Integration Params: INTP58.P
Quant Time: Jun 10 22:52 2008

Vial: 19
Operator: cmg
Inst : INGRID
Multiplr: 0.00

Quant Results File: IABN159.RES

Method : C:\HPCHEM\1\METHODS\IABN159.M (RTE Integrator)
Title : 8270 ABN ICAL - May28, 2008 (#S7646-#S7656)
Last Update : Fri Jun 06 15:57:13 2008
Response via : Initial Calibration

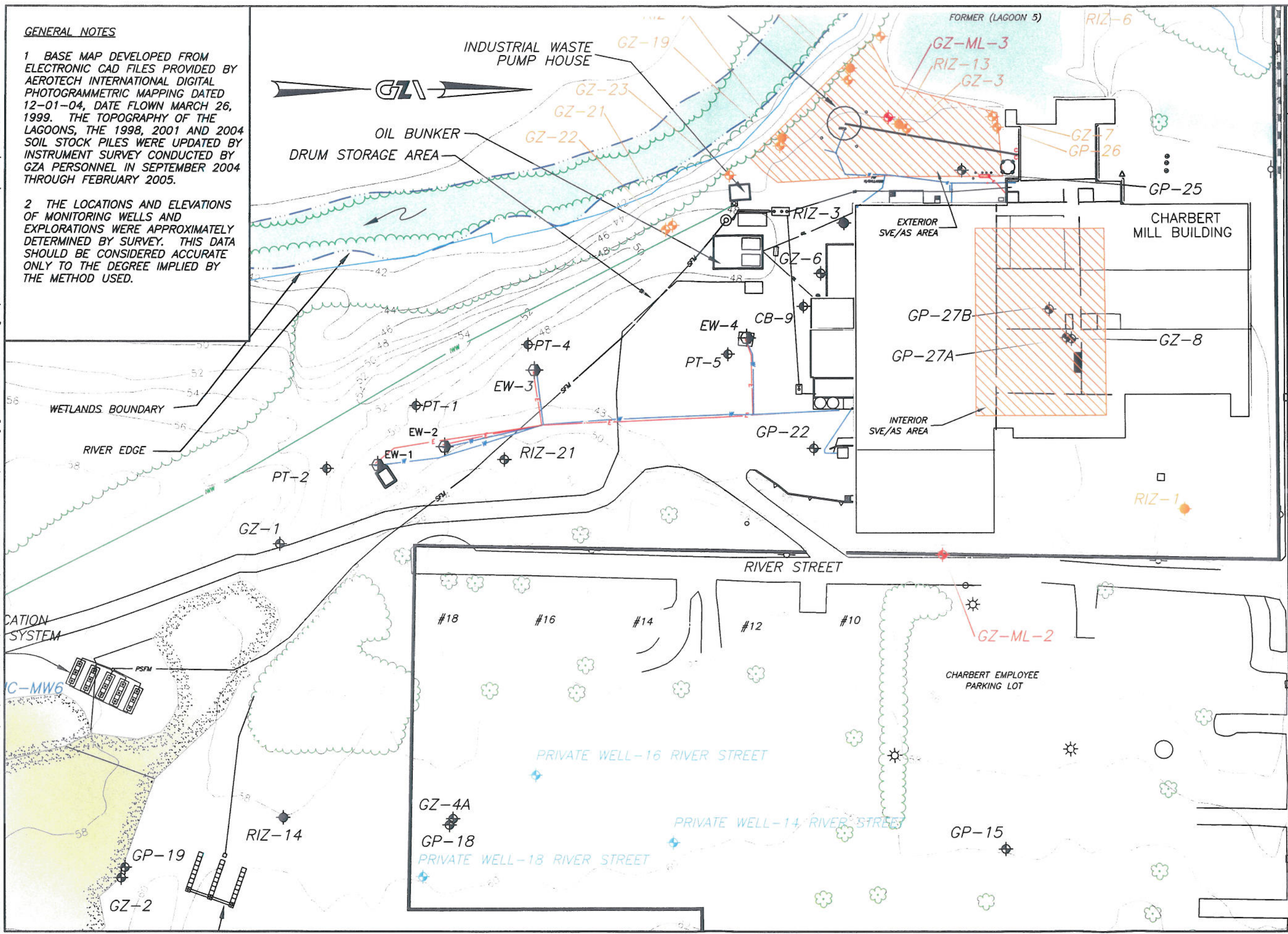


©2008 - GZA GeoEnvironmental, Inc. GZA-J:\ENV\32795-29.sma\APR-JUN 08\ICMP and Per Wells-sept-08.dwg [2nd ORTR PER WELLS] September 02, 2008 - 5:00pm stephen.andrus

GENERAL NOTES

1. BASE MAP DEVELOPED FROM ELECTRONIC CAD FILES PROVIDED BY AEROTECH INTERNATIONAL DIGITAL PHOTOGRAMMETRIC MAPPING DATED 12-01-04, DATE FLOWN MARCH 26, 1999. THE TOPOGRAPHY OF THE LAGOONS, THE 1998, 2001 AND 2004 SOIL STOCK PILES WERE UPDATED BY INSTRUMENT SURVEY CONDUCTED BY GZA PERSONNEL IN SEPTEMBER 2004 THROUGH FEBRUARY 2005.

2. THE LOCATIONS AND ELEVATIONS OF MONITORING WELLS AND EXPLORATIONS WERE APPROXIMATELY DETERMINED BY SURVEY. THIS DATA SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.



REV. NO.	DESCRIPTION	BY	DATE
		OPERATOR: DL	DATE: MAY, 2008
PROJ MGR: SMA		DESIGNED BY: SMA	
REVIEWED BY: EAS		GZA	
1 INCH = 80 FEET 0 40 80 160		GeoEnvironmental, Inc. Engineers and Scientists 530 BROADWAY PROVIDENCE, RI 02909	
		(401) 421-4140 (401) 751-8613	
CHARBERT FACILITY ALTON, RHODE ISLAND		SUPPLEMENTAL GROUNDWATER SAMPLING LOCATIONS	
JOB NO. 32795.12		FIGURE NO. 1	

ATTACHMENT E

PERIMETER WELL MONITORING RESULTS

September 3, 2008
File No. 32795.29



Ms. Joan Taylor
Senior Environmental Scientist
Rhode Island Department of Environmental Management
Office of Waste Management
235 Promenade Street
Providence, Rhode Island 02908

Re: Second Quarterly (April-June, 2008) Perimeter Well Monitoring Report
Charbert, Division of N.F.A.
Richmond, Rhode Island
RIDEM Case # 99-037

530 Broadway
Providence
Rhode Island
02909
401-421-4140
FAX 401-751-8613
www.gza.net

Dear Ms. Taylor:

This letter with attachments serves as the second quarterly Perimeter Well Monitoring Report for the Charbert facility located at 299 Church Street in Richmond (Alton), Rhode Island. It was prepared by GZA GeoEnvironmental, Inc., on behalf of our client Charbert, a Division of N.F.A.

In accordance with discussions during the conference call on April 23, 2008 between RIDEM and Charbert, it was agreed that, as part of the environmental monitoring, additional groundwater samples would be collected from perimeter wells located between the Charbert facility and nearby private wells and analyzed for VOCs, see Figure 1, attached. Perimeter monitoring wells included RIZ-1, GP-22, RIZ-21, GZ-1 and RIZ-14. Sample results from these wells were received on 1 May 2008. Based on these results and the results of the Piezometric Monitoring Report dated May 2, 2008, RIDEM concurred with Charbert's recommendation (received via email 5/9/08) to resample those wells in July 2008 and determine the future monitoring frequency at that time.

Groundwater Sampling

GZA personnel were on site on July 7, 2008 and collected samples from five monitoring wells, RIZ-1, RIZ-14, RIZ-21, GP-22 and GZ-1. Groundwater sampling was performed in general accordance with EPA's July 30, 1996 *Low Stress (low flow) Purging and Sampling Procedure* (Low Flow SOP). Low flow sampling equipment (exclusive of tubing which was dedicated to the wells) was decontaminated prior to use on-site and between each location following EPA's required protocols. Water quality monitoring for stabilization was conducted utilizing a Horiba multi-meter in a flow through cell.

Analysis

As agreed upon, groundwater was analyzed for volatile organic compounds (VOCs) via EPA Method 8260B in samples from all five monitoring wells. The detected



analytes have been summarized and compared to RIDEM's Method 1 GA Groundwater Objectives and Groundwater Quality Preventative Action Limits (PALs) in the attached Table 1. The low flow field screening results are provided in Table 2, attached, and the laboratory certificates of analysis are provided in Attachment A of the second quarter ICMP report.

Results

The July 7, 2008 groundwater results have been compared to the applicable groundwater standards for Rhode Island and there are GA Groundwater Standard exceedances for VOCs in two of the five wells. The remaining three wells had no VOCs detected above the method detection limit.

The sample from monitoring well GZ-1 has four VOCs detected with cis-1,2-dichloroethene present at 20 µg/L, (below the PAL of 35 µg/L), and trichloroethene present at 4.2 µg/L, (above the PAL of 2.5 µg/L). The two other detects were 1,2,4-trimethylbenzene at 4.2 µg/L and tetrachloroethene at 1.2 µg/L. Three of the VOCs detected in monitoring well GZ-1 were previously detected in August of 2004 or in February of 2005 with detected levels approximately twice that of the more current sampling rounds. The sample from monitoring well RIZ-14 has one VOC detected with tetrachloroethene present at 4.4 µg/L, (above the PAL of 2.5 µg/L). Although there is no historical data available for this monitoring well, monitoring well GZ-2, located approximately 150 feet to the south of RIZ-14, has seen similar VOC levels. For reference all previous analytical testing results for the five wells tested on July 7, 2008 have been included in Table 1.

At this time, we do not see any evidence of migration of contaminants from the previously delineated areas of concern, and no changes in groundwater elevations that would suggest that a significant change in contaminant distribution is occurring. The perimeter wells will be sampled and analyzed on a quarterly basis for the next six quarters, after which the need to continue sampling these monitoring wells will be re-evaluated in conjunction with RIDEM. Please feel free to call Ed or Steve at (401) 421-4140 (or via email at esummerly@gza.com or stephen.andrus@gza.com) with any questions or comments.

cc: Mary Morgan, Richmond Town Clerk
Clarks Memorial Library – Charbert Repository

Attachments: Tables - Table 1 - Detected Constituents
Table 2 - Low Flow Field Screening Readings
Figure 1- Monitoring Well Locations

TABLES

**TABLE 1
DETECTED CONSTITUENTS SUMMARY**

June 2008 Perimeter Wells
Charbet Facility
Richmond, Rhode Island

GZ-1	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE								
				8/6/2004		2/15/2005		4/25/2008		7/7/2008		
				Result	Limit	Result	Limit	Result	Limit	Result	Limit	
VOLATILE ORGANICS												
1,2,4-Trimethylbenzene		NS	NS	<	1.0	<	1.0	<	1.0	<	4.2	1
1,1-Dichloroethane	ug/L (ppb)	---	---	2.2	1.0	2.0	1.0	1.0	1.0	<	1.0	1.0
1,2,3-Trichlorobenzene	ug/L (ppb)	---	---	<	1.0	8.3	1.0	<	1.0	<	1.0	1.0
1,2,4-Trichlorobenzene	ug/L (ppb)	70	35	9.5	1.0	<	1.0	3.0	1.0	<	1.0	1.0
cis-1,2-Dichloroethene	ug/L (ppb)	70	35	73	1.0	68	1.0	29	1.0	20	1.0	1.0
Tetrachloroethene	ug/L (ppb)	5	2.5	2.2	1.0	2.0	1.0	<	1.0	1.2	1.0	1.0
trans-1,2-Dichloroethene	ug/L (ppb)	100	50	<	1.0	1.0	1.0	<	1.0	<	1.0	1.0
Trichloroethene	ug/L (ppb)	5	2.5	12	1.0	8.6	1.0	5.0	1.0	4.2	1.0	1.0
Vinyl Chloride	ug/L (ppb)	2	1	1.1	1.0	1.4	1.0	<	1.0	<	1.0	1.0

RIZ-1	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE								
				01/02/2008		4/1/2008		4/25/2008		7/7/2008		
				Result	Limit	Result	Limit	Result	Limit	Result	Limit	
VOLATILE ORGANICS				ND	ND	ND	ND	ND	ND	ND	ND	ND

RIZ-14	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE			
				4/25/2008		7/7/2008	
				Result	Limit	Result	Limit
VOLATILE ORGANICS							
Tetrachloroethene	ug/L (ppb)	5	2.5	<	1.0	4.4	1.0

**TABLE 1
DETECTED CONSTITUENTS SUMMARY**

*June 2008 Perimeter Wells
Charbet Facility
Richmond, Rhode Island*

	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALS	DATE	
			4/25/2008	7/7/2008
			Result	Limit
RIZ-21				
VOLATILE ORGANICS			ND	ND

	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALS	DATE	
			2/15/2005	7/7/2008
			Result	Limit
GP-22				
VOLATILE ORGANICS			ND	ND

Notes:

1. Cells shaded yellow have results above the method detection limit.
2. Cells shaded green are above RIDEM GA Groundwater Objective.
3. Cells shaded blue are above RIDEM Preventative Action Limit.

TABLE 2
LOW FLOW SCREENING RESULTS

June 2008 Perimeter Wells
Charbert Facility
Richmond, RI

JULY, 2008 GROUNDWATER SAMPLING FIELD DATA									
WELL ID	pH	CONDUCTIVITY	TURBIDITY	DISSOLVED OXYGEN	TEMPERATURE	ORP	DEPTH TO GWT	GW ELEV.	
	SU	mS/cm	NTU	mg/l	°C	mV	FT	FT	
RIZ-1	4.9	0.508	225	5.2	13.5	189	6.9	43.4	
RIZ-14	4.2	0.050	350	4.4	14.5	217	15.5	47.2	
RIZ-21	4.7	0.361	234	4.0	12.7	170	12.0	40.9	
GZ-1	7.1	0.472	362	0.7	13.7	-188	15.4	41.0	
GP-22	5.3	0.185	166	5.8	17.8	156	7.4	41.2	

Notes:

1. Field screening parameters were collected using a Horiba Model U-22 Water Quality Monitor.

FIGURES