GZA
GeoEnvironmental, Inc.

Engineers and Scientists

November 6, 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: Third Quarterly (July-September 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 third quarterly Interim Compliance Monitoring Report. The work was conducted 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 Attachment A:

- The fourth round of groundwater sampling was conducted October 1 and 3, 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 July, August and September 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. O_2, CO_2 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 third quarter (July-September) 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 third round of groundwater sampling from the perimeter wells was conducted October 3, 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 for this the third quarter. The complete report has been included as Attachment E.

EVALUATION

Third Quarter Monitoring Results

The October 1 and 3, 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 8 of the 12 monitoring wells. Four contaminants that exceeded the GA Groundwater Standard; vinyl chloride, cis-1,2-dichloroethene, trichloroethene (TCE) and tetrachloroethene (PCE). Three of the four remaining monitoring wells had no detectable levels of VOCs. One well had detectable concentrations, but not above the GA objectives or PALs.

The RIDEM GA Groundwater Objective for vinyl chloride is 2 µg/L, the samples from GZ-21, GP-28, GZ-3, RIZ-7 and GP-26 had levels of 3.4, 10, 100 and 16 µg/L, respectively. The GA Objective for cis-1,2-dichloroethene is 70 µg/L and the samples from GZ-20, GZ-3 and GP-26 had a level of 230, 80 and 2300 µg/L. Trichloroethene has a GA objective of 5 µg/L and monitoring well locations GZ-20, GP-26, GZ-7 and GZ-3 were all in excess of the regulatory limit with concentrations ranging from 180 to 2300 µg/L. Tetrachloroethene has a GA groundwater objective of 5 µg/L and monitoring well locations GZ-21, GZ-22, GZ-19, GZ-20, GZ-7, GP-26 and GZ-3 were in excess of the regulatory limit with concentrations ranging from 6.1 to 16,000 µg/L.

The detected levels of each of these compounds are within historical ranges of analytical data collected from the Site. A comparison of baseline results with the third 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 5 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 Monitoring System
Figure 3: Exterior AS-SVE Monitoring System
Appendix A – Limitations
Appendix B – Laboratory Certificates of Analysis
Appendix C – Monthly AS/SVE System Monitoring Data
Appendix D – Third Quarter 2008 UIC Report
Appendix E – Perimeter Well Monitoring Results Memorandum

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TABLES

TABLE 1
GZ-21
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-21 Shallow Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date: Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	<	1.0	**8.4**	1.0	**2.8**	1.0	3.4	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	**7.8**	1.0	**10.0**	1.0	**7.7**	1.0	4.7	1.0
	1,1,1-Trichloroethene	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	3.5	1.0	**1.7**	1.0	**2.3**	1.0	2.7	1.0
	Tetrachloroethene	5	2.5	ug/L	**7.2**	1.0	**2.4**	1.0	**7.6**	1.0	**6.1**	1.0
	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
Mod. EPA 8100	**TOTAL PETROLEUM HYDROCARBON**											
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.7		6.2	
	CONDUCTIVITY	NS	NS	mS/cm	0.337		0.660		0.480		0.378	
	TURBIDITY	NS	NS	NTU	5		3		80		12	
	DISSOLVED OXYGEN	NS	NS	mg/L	1.0		0.0		1.4		0.6	
	TEMPERATURE	NS	NS	°C	16.4		14.4		14.8		17.9	
	ORP	NS	NS	mV	191		-58		-64		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 2
GZ-22
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-22 Deep Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date: Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	<	1.0	<	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	<	1.0	<	1.0	<	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Tetrachloroethene	5	2.5	ug/L	**14**	1.0	**12**	1.0	**86**	1.0	<	1.0
	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		5.1		6.1	
	CONDUCTIVITY	NS	NS	mS/cm	0.330		0.218		0.173		0.146	
	TURBIDITY	NS	NS	NTU	5		5		25		31	
	DISSOLVED OXYGEN	NS	NS	mg/L	1.0		0.0		1.5		0.5	
	TEMPERATURE	NS	NS	°C	15.8		15.1		15.9		16.6	
	ORP	NS	NS	mV	198		91		32		154	

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 3
GZ-23
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-23 Shallow Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	<	1.0	<	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	<	1.0	**6.5**	1.0	<	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	<	1.0	**1.8**	1.0	**27**	1.0	**1.8**	1.0
	Tetrachloroethene	5	2.5	ug/L	<	1.0	**2.4**	1.0	**59**	1.0	**1.7**	1.0
	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
Mod. EPA 8100	**TOTAL PETROLEUM HYDROCARBON**											
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.7		6.5	
	CONDUCTIVITY	NS	NS	mS/cm	0.339		0.428		0.254		0.109	
	TURBIDITY	NS	NS	NTU	157		0		224		12.2	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.3		0.1	
	TEMPERATURE	NS	NS	°C	16.6		16.1		15.4		14.6	
	ORP	NS	NS	mV	-8		-60		-78		-106	

Notes:
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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		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	250	<	1.0	<	250
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	250	<	1.0	<	250
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	250	<	1.0	<	250
	cis-1,2-Dichloroethene	70	35	ug/L	**4.6**	1.0	<	250	**4.2**	1.0	<	250
	1,1,1-Trichloroethane	200	100	ug/L	**13**	1.0	<	250	**9.0**	1.0	<	250
	Trichloroethene	5	2.5	ug/L	**260**	1.0	**390**	250	**200**	1.0	<	250
	Tetrachloroethene	5	2.5	ug/L	**16,000**	1.0	**20,000**	250	**19,000**	1.0	**16,000**	250
	Ethylbenzene	700	350	ug/L		1.0	<	250	<	1.0	<	250
	m&p-Xylene	NS	NS	ug/L	<	2.0	<	500	<	2.0	<	500
	o-Xylene	NS	NS	ug/L	<	1.0	<	250	<	1.0	<	250
	Total Xylenes	1000	500	ug/L	<	2.0	<	500	<	2.0	<	500
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	250	<	1.0	<	250
	N-Propylbenzene	NS	NS	ug/L	<	1.0	<	250	<	1.0	<	250
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	250	<	1.0	<	250
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.0		6.1	
	CONDUCTIVITY	NS	NS	mS/cm	0.338		0.453		0.106		0.085	
	TURBIDITY	NS	NS	NTU	68		1		240		31.7	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.3		0.1	
	TEMPERATURE	NS	NS	°C	16.5		15.6		15.6		14	
	ORP	NS	NS	mV	24		79		105		113	

Notes:
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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 inadvertentlyswitched. The error was corrected and they appear as they should in these tables

TABLE 5
RIZ-7
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

RIZ-7 Shallow Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	**15**	1.0	**120**	1.0	**85**	2.5	100	1.0
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	2.5	<	1.0
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	**2.6**	1.0	**3.1**	2.5	**3**	1.0
	cis-1,2-Dichloroethene	70	35	ug/L	**2.5**	1.0	**64**	1.0	**41**	2.5	**54**	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	2.5	<	1.0
	Trichloroethene	5	2.5	ug/L	<	1.0	<	1.0	<	2.5	<	1.0
	Tetrachloroethene	5	2.5	ug/L	<	1.0	<	1.0	**7**	2.5	<	1.0
	Ethylbenzene	700	350	ug/L	<	1.0	**2.7**	1.0	**2.8**	2.5	<	1.0
	m&p-Xylene	NS	NS	ug/L	<	2.0	**2.9**	2.0	<	5.0	<	2.0
	o-Xylene	NS	NS	ug/L	**1.7**	1.0	**2.6**	1.0	**3.2**	2.5	**1.6**	1.0
	Total Xylenes	1000	500	ug/L	**1.7**	2.0	**5.7**	2.0	**3.2**	5.0	**1.6**	2.0
	2-Chlorotoluene	NS	NS	ug/L	**1.0**	1.0	**1.2**	1.0	<	2.5	**3.2**	1.0
	N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	**1.0**	2.5	<	1.0
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	**1.0**	2.5	<	1.0
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	**300**	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		6.1		6.4	
	CONDUCTIVITY	NS	NS	mS/cm	0.786		0.748		0.357		0.249	
	TURBIDITY	NS	NS	NTU	5		0		153		20	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.2		0	
	TEMPERATURE	NS	NS	°C	16.5		14.4		15.8		15.8	
	ORP	NS	NS	mV	-23		-53		-112		-117	

Notes:
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For the July 2008 sampling round GZ-19 and RIZ-7 data were inadvertentlyswitched. 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		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	**1,200**	5.0	**180**	2.5	<	1.0	**10**	1.0
	1,1-Dichloroethene	7	3.5	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
	trans-1,2-Dichloroethene	100	50	ug/L	**11**	5.0	<	2.5	<	1.0	<	1.0
	cis-1,2-Dichloroethene	70	35	ug/L	**1,400**	5.0	**200**	2.5	**6.2**	1.0	**2.9**	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
	Tetrachloroethene	5	2.5	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
	Ethylbenzene	700	350	ug/L	<	5.0	<	2.5	**1.2**	1.0		1.0
	m&p-Xylene	NS	NS	ug/L	<	10	<	5.0	<	2.0	<	2.0
	o-Xylene	NS	NS	ug/L	<	5.0	<	2.5	**1.8**	1.0	**1.9**	1.0
	Total Xylenes	1000	500	ug/L	<	10	<	5.0	**1.8**	2.0	**<**	2.0
	2-Chlorotoluene	NS	NS	ug/L	<	5.0	<	2.5	**1.3**	1.0	**1.0**	1.0
	N-Propylbenzene	NS	NS	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
	sec-Butylbenzene	NS	NS	ug/L	<	5.0	<	2.5	<	1.0	<	1.0
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	**350**	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.5		6.5	
	CONDUCTIVITY	NS	NS	mS/cm	0.900		0.492		0.700		0.410	
	TURBIDITY	NS	NS	NTU	5		30		270		116	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.6		0.1	
	TEMPERATURE	NS	NS	°C	12.0		11.1		17.6		16.8	
	ORP	NS	NS	mV	-47		-71		-112		-144	

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		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	<	1.0	<	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	**2.9**	1.0	<	1.0	<	1.0	<	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	**2.4**	1.0	<	1.0	<	1.0	<	1.0
	Tetrachloroethene	5	2.5	ug/L	**5.3**	1.0	<	1.0	<	1.0	<	1.0
	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
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	<	200						
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.6		6.0	
	CONDUCTIVITY	NS	NS	mS/cm	0.465		0.919		0.181		0.226	
	TURBIDITY	NS	NS	NTU	64		110		713		325	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		7.0		7.4		8.59	
	TEMPERATURE	NS	NS	°C	14.7		13.5		14.2		14.5	
	ORP	NS	NS	mV	26		135		140		154	

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 ICMP
Charbert Facility
Richmond, Rhode Island

GZ-20 Deep Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	1.2	1.0	1.3	1.0	<	5.0	<	5.0
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	cis-1,2-Dichloroethene	70	35	ug/L	52	1.0	64	1.0	120	5.0	230	5.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	Trichloroethene	5	2.5	ug/L	52	1.0	60	1.0	99	5.0	180	5.0
	Tetrachloroethene	5	2.5	ug/L	89	1.0	130	1.0	230	5.0	430	5.0
	Ethylbenzene	700	350	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	m&p-Xylene	NS	NS	ug/L	<	2.0	<	2.0	<	10	<	10
	o-Xylene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	Total Xylenes	1000	500	ug/L	<	2.0	<	2.0	<	10	<	10
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	5.0	<	5.0
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.4		6.1	
	CONDUCTIVITY	NS	NS	mS/cm	0.346		0.220		0.124		0.139	
	TURBIDITY	NS	NS	NTU	280		165		585		118	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.6		0.1	
	TEMPERATURE	NS	NS	°C	15.3		14.6		15.0		14.4	
	ORP	NS	NS	mV	8		-38		66		73	

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

RIZ-1 Shallow Aquifer Background Monitoring Well		RIDEM GA Groundwater Quality Objectives	RIDEM Groundwater Quality PALs	Units	Date Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	<	1.0	NT		<	1.0	NT	
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	NT		<	1.0	NT	
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	NT		<	1.0	NT	
	cis-1,2-Dichloroethene	70	35	ug/L	<	1.0	NT		<	1.0	NT	
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	NT		<	1.0	NT	
	Trichloroethene	5	2.5	ug/L	<	1.0	NT		<	1.0	NT	
	Tetrachloroethene	5	2.5	ug/L	<	1.0	NT		<	1.0	NT	
	Ethylbenzene	700	350	ug/L	<	1.0	NT		<	1.0	NT	
	m&p-Xylene	NS	NS	ug/L	<	2.0	NT		<	2.0	NT	
	o-Xylene	NS	NS	ug/L	<	1.0	NT		<	1.0	NT	
	Total Xylenes	1000	500	ug/L	<	2.0	NT		<	2.0	NT	
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	NT		<	1.0	NT	
	N-Propylbenzene	NS	NS	ug/L	<	1.0	NT		<	1.0	NT	
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	NT		<	1.0	NT	
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		NT		NT		5.42	
	CONDUCTIVITY	NS	NS	mS/cm	0.912		NT		NT		0.199	
	TURBIDITY	NS	NS	NTU	5		NT		NT		1	
	DISSOLVED OXYGEN	NS	NS	mg/L	4.0		NT		NT		3	
	TEMPERATURE	NS	NS	°C	13.5		NT		NT		19.2	
	ORP	NS	NS	mV	256		NT		NT		248	

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 ICMP
Charbert Facility
Richmond, Rhode Island

GP-26 Shallow Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	**530**	25	**100**	1.0	**100**	5.0	**16**	10
	1,1-Dichloroethene	7	3.5	ug/L	<	25	**1.1**	1.0	<	5.0	<	10
	trans-1,2-Dichloroethene	100	50	ug/L	70	25	**20**	1.0	<	5.0	**19**	10
	cis-1,2-Dichloroethene	70	35	ug/L	**6,800**	25	**2,100**	1.0	**160**	5.0	**2,300**	100
	1,1,1-Trichloroethane	200	100	ug/L	<	25	<	1.0	<	5.0	<	10
	Trichloroethene	5	2.5	ug/L	**1,200**	25	**2,500**	1.0	**82**	5.0	**2,300**	100
	Tetrachloroethene	5	2.5	ug/L	**1,800**	25	**4,100**	1.0	**330**	5.0	**2,900**	100
	Ethylbenzene	700	350	ug/L	<	25	<	1.0	<	5.0	<	10
	m&p-Xylene	NS	NS	ug/L	<	50	<	2.0	<	10	<	20
	o-Xylene	NS	NS	ug/L	<	25	**1.3**	1.0	<	5.0	<	10
	Total Xylenes	1000	500	ug/L	<	50	**1.3**	2.0	<	10	<	20
	2-Chlorotoluene	NS	NS	ug/L	<	25	<	1.0	<	5.0	<	10
	N-Propylbenzene	NS	NS	ug/L	<	25	<	1.0	<	5.0	<	10
	sec-Butylbenzene	NS	NS	ug/L	<	25	<	1.0	<	5.0	<	10
Mod. EPA 8100	**TOTAL PETROLEUM HYDROCARBON**											
	Hydrocarbon Content	NS	NS	ug/L	**800**	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		6.0		5.3		6.5	
	CONDUCTIVITY	NS	NS	mS/cm	3.00		3.49		0.462		0.341	
	TURBIDITY	NS	NS	NTU	5		1		51		31	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.3		0.3	
	TEMPERATURE	NS	NS	°C	13.9		12.5		14.6		17.7	
	ORP	NS	NS	mV	31		61		-40		-8	

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		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date: Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	**1.3**	1.0	<	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**	1.0	**33**	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	<	1.0	**74**	1.0	**140**	1.0	**37**	1.0
	Tetrachloroethene	5	2.5	ug/L	<	1.0	**26**	1.0	**15**	1.0	**7.1**	1.0
	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		6.34	
	CONDUCTIVITY	NS	NS	mS/cm	0.223		0.359		0.226		0.106	
	TURBIDITY	NS	NS	NTU	5		5		17		0.3	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		1.0		0.4	
	TEMPERATURE	NS	NS	°C	14.5		14.3		13.9		13.9	
	ORP	NS	NS	mV	-8		-55		-80		-48	

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 12
GZ-3
DETECTED CONSTITUENTS SUMMARY

Second Quarter ICMP
Charbert Facility
Richmond, Rhode Island

GZ-3 Deep Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	**VOLATILE ORGANICS**											
	Vinyl Chloride	2	1	ug/L	<	1.0	<	1.0	**3.1**	1.0	<	10
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	<	1.0	<	1.0	<	10
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	<	1.0	<	1.0	<	10
	cis-1,2-Dichloroethene	70	35	ug/L	**9.3**	1.0	**16**	1.0	**65**	1.0	**86**	10
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	10
	Trichloroethene	5	2.5	ug/L	**10**	1.0	**17**	1.0	**91**	1.0	**93**	10
	Tetrachloroethene	5	2.5	ug/L	**12**	1.0	**22**	1.0	**440**	1.0	**180**	10
	Ethylbenzene	700	350	ug/L	<	1.0	<	1.0	<	1.0	<	10
	m&p-Xylene	NS	NS	ug/L	<	2.0	<	2.0	<	2.0	<	20
	o-Xylene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0	<	10
	Total Xylenes	1000	500	ug/L	<	2.0	<	2.0	<	2.0	<	20
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0	<	10
	N-Propylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0	<	10
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	<	1.0	<	1.0	<	10
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		5.0		5.1		6.5	
	CONDUCTIVITY	NS	NS	mS/cm	0.339		0.392		0.206		0.114	
	TURBIDITY	NS	NS	NTU	5		5		34		7	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		0.0		0.7		0.28	
	TEMPERATURE	NS	NS	°C	15.4		15.4		14.8		14.6	
	ORP	NS	NS	mV	-15		8		-22		-41	

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 ICMP
Charbert Facility
Richmond, Rhode Island

RIZ-13 Shallow Aquifer Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	**4.4**	1.0	<	1.0	<	1.0	<	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	**6.6**	1.0	<	1.0	<	1.0	<	1.0
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	<	1.0	<	1.0	<	1.0
	Trichloroethene	5	2.5	ug/L	**5.6**	1.0	<	1.0	<	1.0	<	1.0
	Tetrachloroethene	5	2.5	ug/L	**6.9**	1.0	<	1.0	<	1.0	<	1.0
	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
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	5.0		6.0		4.8		6.83	
	CONDUCTIVITY	NS	NS	mS/cm	0.392		0.900		0.773		0.361	
	TURBIDITY	NS	NS	NTU	3		5		208		54.8	
	DISSOLVED OXYGEN	NS	NS	mg/L	1.0		10.0		12.0		7.7	
	TEMPERATURE	NS	NS	°C	14.8		14.8		15.6		16.2	
	ORP	NS	NS	mV	28		56		34		-9	

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

RIZ-6 Shallow Aquifer Background Monitoring Well		RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	Units	Date							
					Baseline 1/2/2008		04/01/2008		07/07/2008		10/01/2008	
					Result	Limit	Result	Limit	Result	Limit	Result	Limit
EPA 8260	VOLATILE ORGANICS											
	Vinyl Chloride	2	1	ug/L	<	1.0	NT		NT		NT	
	1,1-Dichloroethene	7	3.5	ug/L	<	1.0	NT		NT		NT	
	trans-1,2-Dichloroethene	100	50	ug/L	<	1.0	NT		NT		NT	
	cis-1,2-Dichloroethene	70	35	ug/L	<	1.0	NT		NT		NT	
	1,1,1-Trichloroethane	200	100	ug/L	<	1.0	NT		NT		NT	
	Trichloroethene	5	2.5	ug/L	<	1.0	NT		NT		NT	
	Tetrachloroethene	5	2.5	ug/L	<	1.0	NT		NT		NT	
	Ethylbenzene	700	350	ug/L	<	1.0	NT		NT		NT	
	m&p-Xylene	NS	NS	ug/L	<	2.0	NT		NT		NT	
	o-Xylene	NS	NS	ug/L	<	1.0	NT		NT		NT	
	Total Xylenes	1000	500	ug/L	<	2.0	NT		NT		NT	
	2-Chlorotoluene	NS	NS	ug/L	<	1.0	NT		NT		NT	
	N-Propylbenzene	NS	NS	ug/L	<	1.0	NT		NT		NT	
	sec-Butylbenzene	NS	NS	ug/L	<	1.0	NT		NT		NT	
Mod. EPA 8100	TOTAL PETROLEUM HYDROCARBON											
	Hydrocarbon Content	NS	NS	ug/L	<	200	NT		NT		NT	
	FIELD PARAMETERS											
	pH	NS	NS	SU	4.0		NT		NT		NT	
	CONDUCTIVITY	NS	NS	mS/cm	0.31		NT		NT		NT	
	TURBIDITY	NS	NS	NTU	5		NT		NT		NT	
	DISSOLVED OXYGEN	NS	NS	mg/L	0.0		NT		NT		NT	
	TEMPERATURE	NS	NS	°C	14.1		NT		NT		NT	
	ORP	NS	NS	mV	-28		NT		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

FIGURES

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.

GZA

WOOD RIVER
GP-28
RIZ-5
GZ-20
WATER TOWER
GZ-19
RIZ-7
INDUSTRIAL WASTE PUMP HOUSE
GZ-23
GZ-21
GZ-22
OIL BUNKER
DRUM STORAGE AREA
FORMER (LAGOON 5)
RIZ-6
GZ-ML-3
RIZ-13
GZ-3
GZ-7
GP-26
GP-25
RIZ-3
EXTERIOR SVE/AS AREA
CHARBERT MILL BUILDING
GZ-6
EW-4
CB-9
PT-4
EW-3
PT-5
GP-27B
GP-27A
GZ-8
PT-1
EW-2
EW-1
GP-22
INTERIOR SVE/AS AREA
WETLANDS BOUNDARY
RIVER EDGE
PT-2
RIZ-21
GZ-1
RIZ-1
RIVER STREET
#18
#16
#14
#12
#10
GZ-ML-2
CHARBERT EMPLOYEE PARKING LOT
PSFM
UIC-MW6
SYSTEM

1 INCH = 80 FEET
0 40 80 160

REV. NO.	DESCRIPTION	BY	DATE

PROJ MGR:
DESIGNED BY: SMA
REVIEWED BY: EAS
OPERATOR: DL
DATE: AUG., 2008

GZA
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Engineers and Scientists
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(401) 751-8613

CHARBERT FACILITY
ALTON, RHODE ISLAND

INTERIM COMPLIANCE MONITORING REPORT
MONITORING WELL LOCATIONS

JOB NO.
32795.29

FIGURE NO.
1

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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

SSVW–1
SSVW–2
SSVW–3
SSVW–4
SSVW–5
SSVW–6
SSVW–7

SVE–1 SVE–2 SVE–3 SVE–4 SVE–5 SVE–6 SVE–7 SVE–8 SVE–9 SVE–10 SVE–11 SVE–12 SVE–13 SVE–14 SVE–15 SVE–16

AS–1 AS–2 AS–3 AS–4 AS–5 AS–6 AS–7 AS–8 AS–9 AS–10 AS–11 AS–12 AS–13 AS–14 AS–15 AS–16

W

FIGURE NO. 2

JOB NO. 32795.29

CHARBERT FACILITY
ALTON, RHODE ISLAND

INTERIM COMPLIANCE MONITORING REPORT
INTERIOR AS–SVE SYSTEM

REV. NO.	DESCRIPTION	BY	DATE

1 INCH = 20 FEET

0 10 20 40

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

OPERATOR: DL
DATE: AUG., 2008

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CHARBERT FACILITY
ALTON, RHODE ISLAND

INTERIM COMPLIANCE MONITORING REPORT
EXTERIOR AS–SVE SYSTEM

REV. NO.	DESCRIPTION	BY	DATE

1 INCH = 30 FEET

0 15 30 60

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

OPERATOR: DL
DATE: AUG., 2008

FIGURE NO. 3

JOB NO. 32795.29

GZA
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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

Stephen Andrus

Project No.: **03.0032795.29**
Work Order No.: **0810-00020**
Date Received: **10/02/2008**
Date Reported: **10/09/2008**

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
10/01/2008	Aqueous	0810-00020 001	GP - 26
10/01/2008	Aqueous	0810-00020 002	GP - 28
10/01/2008	Aqueous	0810-00020 003	GZ - 7
10/01/2008	Aqueous	0810-00020 004	RIZ - 5
10/01/2008	Aqueous	0810-00020 005	GZ - 3
10/01/2008	Aqueous	0810-00020 006	GZ - 20
10/01/2008	Aqueous	0810-00020 007	RIZ - 13
10/01/2008	Aqueous	0810-00020 008	GZ - 19
10/01/2008	Aqueous	0810-00020 009	RIZ - 7
10/01/2008	Aqueous	0810-00020 010	GZ - 23
10/01/2008	Aqueous	0810-00020 011	Trip Blank

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

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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: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 10/02/08 via _x_GZA courier, __EC, __FEDEX, or ___hand delivered. The temperature of the _x_temperature blank/__cooler air, was 1.6 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:

GP-26: 1,2- Dichloroethane-D4 - 85.3%, Toluene-D8 - 101%, 4-Bromofluorobenzene - 98.8%

The elevated reporting limits for samples GP-26 (0810-20-001), GZ-3 (0810-20-005) and GZ-20 (0810-20-006) are due to initial dilution of the samples in order to get target compounds within the calibration range of the instrument. The dilutions were based upon historical data for the samples.

Sample GZ-19 (0810-20-8) required a 1/500 dilution in order to get the compound tetrachloroethene within the calibration range of the instrument.

Attach QC 8260 10/06/08 S - Aqueous
Attach QC 8260 10/07/08 # 2 S - Aqueous
Attach QC 8260 10/07/08 S - Aqueous

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Stephen Andrus

Project Name.:	**Charbert ICMP**	Date Received:	**10/02/2008**
Project No.:	**03.0032795.29**	Date Reported:	**10/09/2008**
		Work Order No.:	**0810-00020**

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 8270: The current version of the method is 8270D.
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.

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ANALYTICAL REPORT

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GP - 26**
Sample No.: **001**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/06/2008
Dichlorodifluoromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Chloromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Vinyl Chloride	EPA 8260	16	ug/L	MQS	10/06/2008
Bromomethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Chloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Trichlorofluoromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Diethylether	EPA 8260	<50	ug/L	MQS	10/06/2008
Acetone	EPA 8260	<250	ug/L	MQS	10/06/2008
1,1-Dichloroethene	EPA 8260	<10	ug/L	MQS	10/06/2008
Dichloromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<10	ug/L	MQS	10/06/2008
trans-1,2-Dichloroethene	EPA 8260	19	ug/L	MQS	10/06/2008
1,1-Dichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Butanone	EPA 8260	<250	ug/L	MQS	10/06/2008
2,2-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
cis-1,2-Dichloroethene	EPA 8260	2300	ug/L	MQS	10/07/2008
Chloroform	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromochloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Tetrahydrofuran	EPA 8260	<100	ug/L	MQS	10/06/2008
1,1,1-Trichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1-Dichloropropene	EPA 8260	<10	ug/L	MQS	10/06/2008
Carbon Tetrachloride	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Benzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Trichloroethene	EPA 8260	2300	ug/L	MQS	10/07/2008
1,2-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromodichloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Dibromomethane	EPA 8260	<10	ug/L	MQS	10/06/2008
4-Methyl-2-Pentanone	EPA 8260	<250	ug/L	MQS	10/06/2008
cis-1,3-Dichloropropene	EPA 8260	<10	ug/L	MQS	10/06/2008
Toluene	EPA 8260	<10	ug/L	MQS	10/06/2008
trans-1,3-Dichloropropene	EPA 8260	<20	ug/L	MQS	10/06/2008
1,1,2-Trichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Hexanone	EPA 8260	<250	ug/L	MQS	10/06/2008
1,3-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Tetrachloroethene	EPA 8260	2900	ug/L	MQS	10/07/2008

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ANALYTICAL REPORT

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GP - 26**
Sample No.: **001**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<20	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<20	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	<10	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<20	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<50	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<10	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<20	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.5	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	98.9	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	98.0	% R	MQS	10/06/2008
Preparation	EPA 5030B	10	CF	MQS	10/06/2008

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Project No.: **03.0032795.29**

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GP - 28**
Sample No.: **002**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/06/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Vinyl Chloride	EPA 8260	10	ug/L	MQS	10/06/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/06/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/06/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/06/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
cis-1,2-Dichloroethene	EPA 8260	2.9	ug/L	MQS	10/06/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/06/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/06/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/06/2008

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ANALYTICAL REPORT

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Providence, RI 02903

Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GP - 28**
Sample No.: **002**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	1.9	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	1.0	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	82.4	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	99.3	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	95.9	% R	MQS	10/06/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/06/2008

GZA GeoEnvironmental, Inc.
106 South Street
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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 7**
Sample No.: **003**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/07/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/07/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/07/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/07/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/07/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
cis-1,2-Dichloroethene	EPA 8260	33	ug/L	MQS	10/07/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/07/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Trichloroethene	EPA 8260	37	ug/L	MQS	10/07/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/07/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/07/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/07/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Tetrachloroethene	EPA 8260	7.1	ug/L	MQS	10/07/2008

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 7**
Sample No.: **003**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/07/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/07/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/07/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/07/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/07/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.4	% R	MQS	10/07/2008
***Toluene-D8	EPA 8260	99.0	% R	MQS	10/07/2008
***4-Bromofluorobenzene	EPA 8260	97.5	% R	MQS	10/07/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/07/2008

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **RIZ - 5**
Sample No.: **004**
Sample Date: **10/01/2008**

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

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ANALYTICAL REPORT

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **RIZ - 5** Sample No.: **004**

Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	84.0	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	100	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	96.2	% R	MQS	10/06/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/06/2008

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 3**
Sample No.: **005**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/06/2008
Dichlorodifluoromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Chloromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Vinyl Chloride	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromomethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Chloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Trichlorofluoromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Diethylether	EPA 8260	<50	ug/L	MQS	10/06/2008
Acetone	EPA 8260	<250	ug/L	MQS	10/06/2008
1,1-Dichloroethene	EPA 8260	<10	ug/L	MQS	10/06/2008
Dichloromethane	EPA 8260	<20	ug/L	MQS	10/06/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<10	ug/L	MQS	10/06/2008
trans-1,2-Dichloroethene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1-Dichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Butanone	EPA 8260	<250	ug/L	MQS	10/06/2008
2,2-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
cis-1,2-Dichloroethene	EPA 8260	86	ug/L	MQS	10/06/2008
Chloroform	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromochloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Tetrahydrofuran	EPA 8260	<100	ug/L	MQS	10/06/2008
1,1,1-Trichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1-Dichloropropene	EPA 8260	<10	ug/L	MQS	10/06/2008
Carbon Tetrachloride	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Benzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Trichloroethene	EPA 8260	93	ug/L	MQS	10/06/2008
1,2-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromodichloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Dibromomethane	EPA 8260	<10	ug/L	MQS	10/06/2008
4-Methyl-2-Pentanone	EPA 8260	<250	ug/L	MQS	10/06/2008
cis-1,3-Dichloropropene	EPA 8260	<10	ug/L	MQS	10/06/2008
Toluene	EPA 8260	<10	ug/L	MQS	10/06/2008
trans-1,3-Dichloropropene	EPA 8260	<20	ug/L	MQS	10/06/2008
1,1,2-Trichloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Hexanone	EPA 8260	<250	ug/L	MQS	10/06/2008
1,3-Dichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Tetrachloroethene	EPA 8260	180	ug/L	MQS	10/06/2008

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 3** Sample No.: **005**

Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<20	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<20	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	<10	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<20	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<10	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<50	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<10	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<20	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<10	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	83.4	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	99.1	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	97.0	% R	MQS	10/06/2008
Preparation	EPA 5030B	10	CF	MQS	10/06/2008

GZA GeoEnvironmental, Inc.
106 South Street
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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: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 20**
Sample No.: **006**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/06/2008
Dichlorodifluoromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Chloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Vinyl Chloride	EPA 8260	15	ug/L	MQS	10/06/2008
Bromomethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Chloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Trichlorofluoromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Diethylether	EPA 8260	<25	ug/L	MQS	10/06/2008
Acetone	EPA 8260	<130	ug/L	MQS	10/06/2008
1,1-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Dichloromethane	EPA 8260	<10	ug/L	MQS	10/06/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<5.0	ug/L	MQS	10/06/2008
trans-1,2-Dichloroethene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,1-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
2-Butanone	EPA 8260	<130	ug/L	MQS	10/06/2008
2,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
cis-1,2-Dichloroethene	EPA 8260	230	ug/L	MQS	10/06/2008
Chloroform	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Bromochloromethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Tetrahydrofuran	EPA 8260	<50	ug/L	MQS	10/06/2008
1,1,1-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,1-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Carbon Tetrachloride	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2-Dichloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Benzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Trichloroethene	EPA 8260	180	ug/L	MQS	10/06/2008
1,2-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Bromodichloromethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Dibromomethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
4-Methyl-2-Pentanone	EPA 8260	<130	ug/L	MQS	10/06/2008
cis-1,3-Dichloropropene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Toluene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
trans-1,3-Dichloropropene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,1,2-Trichloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
2-Hexanone	EPA 8260	<130	ug/L	MQS	10/06/2008
1,3-Dichloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Tetrachloroethene	EPA 8260	430	ug/L	MQS	10/06/2008

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 20**
Sample No.: **006**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<10	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<10	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<10	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<25	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<10	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<5.0	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	84.6	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	99.9	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	94.7	% R	MQS	10/06/2008
Preparation	EPA 5030B	5.0	CF	MQS	10/06/2008

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **RIZ - 13**
Sample No.: **007**
Sample Date: **10/01/2008**

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

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **RIZ - 13**
Sample No.: **007**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/06/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/06/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/06/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/06/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	87.1	% R	MQS	10/06/2008
***Toluene-D8	EPA 8260	99.2	% R	MQS	10/06/2008
***4-Bromofluorobenzene	EPA 8260	96.0	% R	MQS	10/06/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/06/2008

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Stephen Andrus

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 19** Sample No.: **008**

Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/07/2008
Dichlorodifluoromethane	EPA 8260	<500	ug/L	MQS	10/07/2008
Chloromethane	EPA 8260	<500	ug/L	MQS	10/07/2008
Vinyl Chloride	EPA 8260	<250	ug/L	MQS	10/07/2008
Bromomethane	EPA 8260	<500	ug/L	MQS	10/07/2008
Chloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
Trichlorofluoromethane	EPA 8260	<500	ug/L	MQS	10/07/2008
Diethylether	EPA 8260	<1300	ug/L	MQS	10/07/2008
Acetone	EPA 8260	<6300	ug/L	MQS	10/07/2008
1,1-Dichloroethene	EPA 8260	<250	ug/L	MQS	10/07/2008
Dichloromethane	EPA 8260	<500	ug/L	MQS	10/07/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<250	ug/L	MQS	10/07/2008
trans-1,2-Dichloroethene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,1-Dichloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
2-Butanone	EPA 8260	<6300	ug/L	MQS	10/07/2008
2,2-Dichloropropane	EPA 8260	<250	ug/L	MQS	10/07/2008
cis-1,2-Dichloroethene	EPA 8260	<250	ug/L	MQS	10/07/2008
Chloroform	EPA 8260	<250	ug/L	MQS	10/07/2008
Bromochloromethane	EPA 8260	<250	ug/L	MQS	10/07/2008
Tetrahydrofuran	EPA 8260	<2500	ug/L	MQS	10/07/2008
1,1,1-Trichloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
1,1-Dichloropropene	EPA 8260	<250	ug/L	MQS	10/07/2008
Carbon Tetrachloride	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2-Dichloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
Benzene	EPA 8260	<250	ug/L	MQS	10/07/2008
Trichloroethene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2-Dichloropropane	EPA 8260	<250	ug/L	MQS	10/07/2008
Bromodichloromethane	EPA 8260	<250	ug/L	MQS	10/07/2008
Dibromomethane	EPA 8260	<250	ug/L	MQS	10/07/2008
4-Methyl-2-Pentanone	EPA 8260	<6300	ug/L	MQS	10/07/2008
cis-1,3-Dichloropropene	EPA 8260	<250	ug/L	MQS	10/07/2008
Toluene	EPA 8260	<250	ug/L	MQS	10/07/2008
trans-1,3-Dichloropropene	EPA 8260	<500	ug/L	MQS	10/07/2008
1,1,2-Trichloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
2-Hexanone	EPA 8260	<6300	ug/L	MQS	10/07/2008
1,3-Dichloropropane	EPA 8260	<250	ug/L	MQS	10/07/2008
Tetrachloroethene	EPA 8260	16000	ug/L	MQS	10/07/2008

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

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **GZ - 19**
Sample No.: **008**
Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2-Dibromoethane (EDB)	EPA 8260	<500	ug/L	MQS	10/07/2008
Chlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
Ethylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
m&p-Xylene	EPA 8260	<500	ug/L	MQS	10/07/2008
o-Xylene	EPA 8260	<250	ug/L	MQS	10/07/2008
Styrene	EPA 8260	<250	ug/L	MQS	10/07/2008
Bromoform	EPA 8260	<500	ug/L	MQS	10/07/2008
Isopropylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2,3-Trichloropropane	EPA 8260	<250	ug/L	MQS	10/07/2008
Bromobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
N-Propylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
2-Chlorotoluene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,3,5-Trimethylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
4-Chlorotoluene	EPA 8260	<250	ug/L	MQS	10/07/2008
tert-Butylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2,4-Trimethylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
sec-Butylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
p-Isopropyltoluene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,3-Dichlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,4-Dichlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
n-Butylbenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2-Dichlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<1300	ug/L	MQS	10/07/2008
1,2,4-Trichlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
Hexachlorobutadiene	EPA 8260	<250	ug/L	MQS	10/07/2008
Naphthalene	EPA 8260	<500	ug/L	MQS	10/07/2008
1,2,3-Trichlorobenzene	EPA 8260	<250	ug/L	MQS	10/07/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	82.0	% R	MQS	10/07/2008
***Toluene-D8	EPA 8260	99.2	% R	MQS	10/07/2008
***4-Bromofluorobenzene	EPA 8260	97.4	% R	MQS	10/07/2008
Preparation	EPA 5030B	250	CF	MQS	10/07/2008

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 ICMP**
Project No.: **03.0032795.29**

Date Received: **10/02/2008**
Date Reported: **10/09/2008**
Work Order No.: **0810-00020**

Sample ID: **RIZ - 7** Sample No.: **009**

Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	100	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	3.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	54	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

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Sample Date: **10/01/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	1.6	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	3.2	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.3	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	98.9	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	96.3	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/07/2008

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

Method Blank			Laboratory Control Sample #2				Laboratory Control Sample Duplicate					
Data Analyzed:	10/7/2008		Data Analyzed:	10/7/2008			10/7/2008					
Volatile 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	102	70-130	ok	101	70-130	ok	0.95	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	92.5	70-130	ok	91.2	70-130	ok	1.39	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	90.6	70-130	ok	87.8	70-130	ok	3.12	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	92.5	70-130	ok	90.6	70-130	ok	1.87	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	87.7	70-130	ok	84.1	70-130	ok	4.19	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	99.0	70-130	ok	97.4	70-130	ok	1.63	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	81.1	70-130	ok	80.9	70-130	ok	0.16	<25	ok
acetone	< 13	< 13	acetone	89.1	70-130	ok	88.9	70-130	ok	0.30	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	96.5	70-130	ok	93.8	70-130	ok	2.88	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	105	70-130	ok	103	70-130	ok	2.28	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	94.1	70-130	ok	92.8	70-130	ok	1.47	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	119	70-130	ok	119	70-130	ok	0.04	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	83.2	70-130	ok	82.8	70-130	ok	0.49	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	102	70-130	ok	102	70-130	ok	0.42	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	84.8	70-130	ok	79.8	70-130	ok	6.11	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	79.3	70-130	ok	79.8	70-130	ok	0.62	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	100	70-130	ok	99.0	70-130	ok	1.19	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	99.8	70-130	ok	99.0	70-130	ok	0.90	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	87.8	70-130	ok	87.0	70-130	ok	0.86	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	87.3	70-130	ok	88.9	70-130	ok	1.84	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	84.9	70-130	ok	87.5	70-130	ok	2.98	<25	ok
2-butanone	< 13	< 13	2-butanone	82.0	70-130	ok	84.9	70-130	ok	3.56	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	91.0	70-130	ok	89.4	70-130	ok	1.83	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	93.1	70-130	ok	91.2	70-130	ok	2.05	<25	ok
chloroform	< 0.5	< 0.5	chloroform	89.0	70-130	ok	88.8	70-130	ok	0.31	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	92.2	70-130	ok	93.2	70-130	ok	1.02	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	96.7	70-130	ok	94.7	70-130	ok	2.07	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	99.5	70-130	ok	98.9	70-130	ok	0.59	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	98.7	70-130	ok	98.6	70-130	ok	0.03	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	102	70-130	ok	99.5	70-130	ok	2.83	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	89.2	70-130	ok	90.6	70-130	ok	1.56	<25	ok
benzene	< 0.5	< 0.5	benzene	97.5	70-130	ok	95.8	70-130	ok	1.74	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	85.3	70-130	ok	85.6	70-130	ok	0.29	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	94.6	70-130	ok	93.9	70-130	ok	0.69	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	91.7	70-130	ok	92.3	70-130	ok	0.67	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	91.9	70-130	ok	91.9	70-130	ok	0.01	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	83.4	70-130	ok	92.0	70-130	ok	9.73	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	89.5	70-130	ok	91.7	70-130	ok	2.51	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	80.0	70-130	ok	81.7	70-130	ok	2.10	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	89.8	70-130	ok	91.0	70-130	ok	1.33	<25	ok
toluene	< 0.5	< 0.5	toluene	96.0	70-130	ok	96.3	70-130	ok	1.77	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	81.0	70-130	ok	82.7	70-130	ok	2.08	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	86.4	70-130	ok	90.1	70-130	ok	4.18	<25	ok
2-hexanone	< 13	< 13	2-hexanone	85.5	70-130	ok	87.1	70-130	ok	1.92	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	92.5	70-130	ok	94.0	70-130	ok	1.55	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	111	70-130	ok	110	70-130	ok	0.65	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	95.8	70-130	ok	97.0	70-130	ok	1.15	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	94.5	70-130	ok	94.9	70-130	ok	0.41	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	104	70-130	ok	103	70-130	ok	1.53	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	100.0	70-130	ok	100	70-130	ok	0.45	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	106	70-130	ok	104	70-130	ok	1.82	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	86.0	70-130	ok	85.7	70-130	ok	0.37	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	105	70-130	ok	103	70-130	ok	1.80	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	98.3	70-130	ok	95.8	70-130	ok	2.53	<25	ok
styrene	< 0.5	< 0.5	styrene	98.9	70-130	ok	97.0	70-130	ok	1.92	<25	ok
bromoform	< 1.0	< 1.0	bromoform	90.9	70-130	ok	90.5	70-130	ok	0.54	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	121	70-130	ok	116	70-130	ok	3.78	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	81.3	70-130	ok	84.8	70-130	ok	4.26	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	97.2	70-130	ok	95.8	70-130	ok	1.49	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	106	70-130	ok	102	70-130	ok	4.09	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	102	70-130	ok	92.7	70-130	ok	9.06	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	103	70-130	ok	98.9	70-130	ok	3.67	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	80.4	70-130	ok	82.4	70-130	ok	2.54	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	101	70-130	ok	97.1	70-130	ok	4.43	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	123	70-130	ok	115	70-130	ok	6.65	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	98.5	70-130	ok	94.8	70-130	ok	3.81	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	100	70-130	ok	97.5	70-130	ok	2.67	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	102	70-130	ok	99.2	70-130	ok	2.40	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	94.6	70-130	ok	92.3	70-130	ok	2.47	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	97.1	70-130	ok	94.3	70-130	ok	3.01	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	98.4	70-130	ok	95.2	70-130	ok	3.27	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	91.7	70-130	ok	90.9	70-130	ok	0.89	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	87.1	70-130	ok	79.5	70-130	ok	9.08	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	93.4	70-130	ok	92.9	70-130	ok	0.55	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	101	70-130	ok	101	70-130	ok	0.53	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	83.2	70-130	ok	86.7	70-130	ok	4.11	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	88.7	70-130	ok	90.5	70-130	ok	1.98	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	98.0	70-130	DIBROMOFLUOROMETHANE	94.9	70-130	ok	96.2	70-130	ok	1.40	<25	ok
1,2-DICHLOROETHANE-D4	82.0	70-130	1,2-DICHLOROETHANE-D4	86.3	70-130	ok	87.8	70-130	ok	1.68	<25	ok
TOLUENE-D8	99.2	70-130	TOLUENE-D8	101	70-130	ok	99.8	70-130	ok	0.79	<25	ok
4-BROMOFLUOROBENZENE	97.4	70-130	4-BROMOFLUOROBENZENE	100	70-130	ok	99.0	70-130	ok	1.10	<25	ok
1,2-DICHLOROBENZENE-D4	93.4	70-130	1,2-DICHLOROBENZENE-D4	89.7	70-130	ok	90.9	70-130	ok	1.32	<25	ok

Instrument: HP GC/MS "S"

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Hopkinton, MA 01748

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:	10/7/2008		Date Analyzed:	10/7/2008			10/7/2008					
Volatile 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	92.4	70-130	ok	90.0	70-130	ok	2.69	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	87.4	70-130	ok	84.8	70-130	ok	3.08	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	87.1	70-130	ok	82.9	70-130	ok	5.01	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	90.8	70-130	ok	89.2	70-130	ok	1.79	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	84.7	70-130	ok	81.9	70-130	ok	3.43	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	94.6	70-130	ok	93.3	70-130	ok	1.38	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	86.7	70-130	ok	89.4	70-130	ok	3.02	<25	ok
acetone	< 13	< 13	acetone	95.7	70-130	ok	99.0	70-130	ok	3.37	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	93.6	70-130	ok	91.3	70-130	ok	2.48	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	100	70-130	ok	99.4	70-130	ok	1.08	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	92.7	70-130	ok	91.3	70-130	ok	1.49	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	117	70-130	ok	114	70-130	ok	2.20	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	84.1	70-130	ok	84.7	70-130	ok	0.75	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	122	70-130	ok	126	70-130	ok	3.11	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	85.1	70-130	ok	86.5	70-130	ok	1.62	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	89.1	70-130	ok	87.9	70-130	ok	1.30	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	98.7	70-130	ok	97.7	70-130	ok	1.06	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	97.8	70-130	ok	97.3	70-130	ok	0.45	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	90.3	70-130	ok	92.9	70-130	ok	2.90	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	89.4	70-130	ok	92.7	70-130	ok	3.57	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	89.8	70-130	ok	92.6	70-130	ok	3.04	<25	ok
2-butanone	< 13	< 13	2-butanone	91.5	70-130	ok	98.3	70-130	ok	7.25	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	102	70-130	ok	98.4	70-130	ok	3.49	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	93.6	70-130	ok	94.5	70-130	ok	0.87	<25	ok
chloroform	< 0.5	< 0.5	chloroform	88.0	70-130	ok	89.3	70-130	ok	1.44	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	98.0	70-130	ok	99.5	70-130	ok	1.47	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	110	70-130	ok	113	70-130	ok	2.92	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	97.3	70-130	ok	95.8	70-130	ok	1.50	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	96.4	70-130	ok	95.0	70-130	ok	1.41	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	96.3	70-130	ok	97.0	70-130	ok	1.36	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	92.5	70-130	ok	95.0	70-130	ok	2.63	<25	ok
benzene	< 0.5	< 0.5	benzene	95.1	70-130	ok	95.9	70-130	ok	0.79	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	88.5	70-130	ok	91.8	70-130	ok	3.65	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	92.2	70-130	ok	93.7	70-130	ok	1.57	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	92.9	70-130	ok	93.7	70-130	ok	0.78	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	93.5	70-130	ok	97.1	70-130	ok	3.71	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	96.7	70-130	ok	103	70-130	ok	7.28	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	94.9	70-130	ok	99.9	70-130	ok	5.04	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	92.4	70-130	ok	96.7	70-130	ok	4.56	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	96.5	70-130	ok	98.5	70-130	ok	2.07	<25	ok
toluene	< 0.5	< 0.5	toluene	96.8	70-130	ok	97.3	70-130	ok	0.54	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	88.2	70-130	ok	92.1	70-130	ok	4.34	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	94.1	70-130	ok	92.9	70-130	ok	1.28	<25	ok
2-hexanone	< 13	< 13	2-hexanone	96.6	70-130	ok	99.6	70-130	ok	3.06	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	98.5	70-130	ok	98.9	70-130	ok	0.36	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	108	70-130	ok	104	70-130	ok	3.34	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	102	70-130	ok	103	70-130	ok	1.15	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	103	70-130	ok	101	70-130	ok	1.92	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	104	70-130	ok	102	70-130	ok	1.51	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	101	70-130	ok	100	70-130	ok	1.14	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	103	70-130	ok	101	70-130	ok	2.72	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	94.0	70-130	ok	94.0	70-130	ok	0.00	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	101	70-130	ok	99.3	70-130	ok	2.06	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	96.4	70-130	ok	94.1	70-130	ok	2.44	<25	ok
styrene	< 0.5	< 0.5	styrene	101	70-130	ok	98.1	70-130	ok	2.43	<25	ok
bromoform	< 1.0	< 1.0	bromoform	98.8	70-130	ok	99.5	70-130	ok	0.93	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	118	70-130	ok	113	70-130	ok	4.35	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	94.3	70-130	ok	90.6	70-130	ok	4.08	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	96.4	70-130	ok	97.1	70-130	ok	1.28	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	106	70-130	ok	99.8	70-130	ok	6.19	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	101	70-130	ok	96.6	70-130	ok	4.19	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	102	70-130	ok	96.9	70-130	ok	5.58	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	98.2	70-130	ok	96.6	70-130	ok	1.60	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	101	70-130	ok	97.0	70-130	ok	3.56	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	122	70-130	ok	118	70-130	ok	3.89	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	98.5	70-130	ok	94.1	70-130	ok	4.61	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	102	70-130	ok	97.8	70-130	ok	4.28	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	100	70-130	ok	96.9	70-130	ok	3.68	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	97.0	70-130	ok	95.5	70-130	ok	1.53	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	101	70-130	ok	98.1	70-130	ok	2.88	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	97.5	70-130	ok	94.2	70-130	ok	3.44	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	97.7	70-130	ok	98.4	70-130	ok	0.73	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	95.0	70-130	ok	95.7	70-130	ok	0.66	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	99.5	70-130	ok	98.8	70-130	ok	0.78	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	103	70-130	ok	99.1	70-130	ok	4.22	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	91.9	70-130	ok	97.7	70-130	ok	6.10	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	95.8	70-130	ok	98.8	70-130	ok	3.10	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	97.6	70-130	DIBROMOFLUOROMETHANE	100	70-130	ok	103	70-130	ok	2.03	<25	ok
1,2-DICHLOROETHANE-D4	87.0	70-130	1,2-DICHLOROETHANE-D4	91.8	70-130	ok	95.7	70-130	ok	4.20	<25	ok
TOLUENE-D8	101	70-130	TOLUENE-D8	98.6	70-130	ok	100	70-130	ok	1.43	<25	ok
4-BROMOFLUOROBENZENE	97.1	70-130	4-BROMOFLUOROBENZENE	102	70-130	ok	99.5	70-130	ok	2.21	<25	ok
1,2-DICHLOROBENZENE-D4	93.5	70-130	1,2-DICHLOROBENZENE-D4	95.8	70-130	ok	93.7	70-130	ok	2.17	<25	ok

Instrument: HP GC/MS "S"

GZA GeoEnvironmental, Inc.
106 South Street
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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00042**

Sample ID: **GZ - 21** Sample No.: **001**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.3	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	98.7	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	96.2	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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ANALYTICAL REPORT

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00042**

Sample ID: **GZ - 22** Sample No.: **002**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

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ANALYTICAL REPORT

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00042**

Sample ID: **GZ - 22**
Sample No.: **002**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	81.3	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	98.1	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	95.2	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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ANALYTICAL REPORT

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00042**

Sample ID: **Trip Blank** Sample No.: **003**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

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

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00042**

Sample ID: **Trip Blank** Sample No.: **003**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	83.9	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	99.8	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	95.9	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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

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:	10/8/2008		Date Analyzed:	10/8/2008			10/8/2008					
Volatile 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	80.0	70-130	ok	80.4	70-130	ok	0.56	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	79.1	70-130	ok	78.8	70-130	ok	0.37	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	80.9	70-130	ok	80.5	70-130	ok	0.53	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	84.7	70-130	ok	85.5	70-130	ok	0.92	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	79.5	70-130	ok	81.0	70-130	ok	1.98	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	89.5	70-130	ok	90.1	70-130	ok	0.63	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	84.8	70-130	ok	87.9	70-130	ok	3.59	<25	ok
acetone	< 13	< 13	acetone	93.1	70-130	ok	95.4	70-130	ok	2.44	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	89.5	70-130	ok	90.7	70-130	ok	1.33	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	96.1	70-130	ok	99.0	70-130	ok	0.93	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	89.7	70-130	ok	90.1	70-130	ok	0.51	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	111	70-130	ok	111	70-130	ok	0.32	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	83.5	70-130	ok	82.4	70-130	ok	1.22	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	112	70-130	ok	116	70-130	ok	3.69	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	89.5	70-130	ok	88.2	70-130	ok	3.65	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	90.0	70-130	ok	92.8	70-130	ok	3.05	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	95.1	70-130	ok	96.4	70-130	ok	1.33	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	96.0	70-130	ok	95.7	70-130	ok	0.23	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	89.4	70-130	ok	91.6	70-130	ok	2.39	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	90.3	70-130	ok	94.3	70-130	ok	4.27	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	88.2	70-130	ok	91.6	70-130	ok	3.69	<25	ok
2-butanone	< 13	< 13	2-butanone	95.1	70-130	ok	96.1	70-130	ok	1.05	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	96.9	70-130	ok	93.2	70-130	ok	3.84	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	92.4	70-130	ok	92.3	70-130	ok	0.16	<25	ok
chloroform	< 0.5	< 0.5	chloroform	87.0	70-130	ok	87.9	70-130	ok	0.97	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	98.8	70-130	ok	98.2	70-130	ok	0.70	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	107	70-130	ok	105	70-130	ok	1.48	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	93.4	70-130	ok	94.8	70-130	ok	1.50	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	93.9	70-130	ok	94.7	70-130	ok	0.87	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	95.8	70-130	ok	96.6	70-130	ok	0.98	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	92.4	70-130	ok	91.3	70-130	ok	1.10	<25	ok
benzene	< 0.5	< 0.5	benzene	94.0	70-130	ok	93.8	70-130	ok	0.18	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	91.9	70-130	ok	94.1	70-130	ok	2.29	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	93.3	70-130	ok	93.0	70-130	ok	0.38	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	92.6	70-130	ok	92.5	70-130	ok	0.11	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	93.7	70-130	ok	93.9	70-130	ok	0.23	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	104	70-130	ok	107	70-130	ok	3.12	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	96.9	70-130	ok	98.1	70-130	ok	1.19	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	91.8	70-130	ok	94.1	70-130	ok	2.44	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	96.1	70-130	ok	96.7	70-130	ok	0.65	<25	ok
toluene	< 0.5	< 0.5	toluene	95.5	70-130	ok	96.3	70-130	ok	0.85	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	89.3	70-130	ok	90.5	70-130	ok	1.26	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	90.5	70-130	ok	95.7	70-130	ok	5.67	<25	ok
2-hexanone	< 13	< 13	2-hexanone	95.4	70-130	ok	98.2	70-130	ok	2.89	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	98.1	70-130	ok	97.8	70-130	ok	0.29	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	104	70-130	ok	105	70-130	ok	0.58	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	102	70-130	ok	101	70-130	ok	0.18	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	99.9	70-130	ok	101	70-130	ok	0.92	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	102	70-130	ok	102	70-130	ok	0.31	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	99.8	70-130	ok	99.9	70-130	ok	0.10	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	101	70-130	ok	99.2	70-130	ok	1.51	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	91.0	70-130	ok	92.7	70-130	ok	1.94	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	97.7	70-130	ok	97.8	70-130	ok	0.13	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	91.9	70-130	ok	95.4	70-130	ok	3.77	<25	ok
styrene	< 0.5	< 0.5	styrene	96.1	70-130	ok	99.5	70-130	ok	3.51	<25	ok
bromoform	< 1.0	< 1.0	bromoform	95.6	70-130	ok	99.8	70-130	ok	4.29	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	111	70-130	ok	115	70-130	ok	3.54	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	90.6	70-130	ok	89.4	70-130	ok	1.39	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	94.1	70-130	ok	98.3	70-130	ok	4.34	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	96.2	70-130	ok	102	70-130	ok	5.63	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	93.8	70-130	ok	95.9	70-130	ok	2.21	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	93.9	70-130	ok	99.7	70-130	ok	5.98	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	89.8	70-130	ok	93.8	70-130	ok	4.51	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	93.8	70-130	ok	98.7	70-130	ok	5.10	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	114	70-130	ok	120	70-130	ok	5.01	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	91.6	70-130	ok	95.3	70-130	ok	3.95	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	94.4	70-130	ok	95.8	70-130	ok	1.53	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	94.1	70-130	ok	98.4	70-130	ok	4.56	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	91.5	70-130	ok	98.1	70-130	ok	6.97	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	94.2	70-130	ok	97.7	70-130	ok	3.65	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	89.9	70-130	ok	95.4	70-130	ok	5.99	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	91.8	70-130	ok	97.6	70-130	ok	6.11	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	88.0	70-130	ok	92.0	70-130	ok	4.40	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	93.5	70-130	ok	100	70-130	ok	6.91	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	95.6	70-130	ok	101	70-130	ok	5.70	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	89.2	70-130	ok	96.7	70-130	ok	8.07	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	91.2	70-130	ok	99.2	70-130	ok	8.39	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	97.8	70-130	DIBROMOFLUOROMETHANE	102	70-130	ok	98.5	70-130	ok	3.58	<25	ok
1,2-DICHLOROETHANE-D4	88.7	70-130	1,2-DICHLOROETHANE-D4	92.3	70-130	ok	94.9	70-130	ok	2.81	<25	ok
TOLUENE-D8	96.4	70-130	TOLUENE-D8	99.1	70-130	ok	99.7	70-130	ok	0.58	<25	ok
4-BROMOFLUOROBENZENE	95.1	70-130	4-BROMOFLUOROBENZENE	97.5	70-130	ok	100	70-130	ok	2.62	<25	ok
1,2-DICHLOROBENZENE-D4	95.2	70-130	1,2-DICHLOROBENZENE-D4	90.8	70-130	ok	93.9	70-130	ok	3.37	<25	ok

Instrument: HP GC/MS "S"

CHAIN-OF-CUSTODY RECORD

W.O. # 0810-00042 (for lab use only)

Sample I.D.	Date/Time Sampled	Matrix (A=Air, S=Soil, GW=Ground W., SW=Surface W., WW=Waste W., DW=Drinking W., P=Product, Other (specify))	ANALYSIS REQUIRED: ☐ pH ☐ Cond.	GC Methane, Ethane, Ethene	EPA 8260	EPA 8260 – 8010 List (Chlor.)	EPA 8260 – 8021 list	EPA 8021 – 8020 List (BTEX)	EPA 524.2 DW VOCs	EPA 624 WW VOCs	☐ 601 ☐ 602 WW VOCs	EPA 8270 FULL SVOCs	EPA 8270 ☐ PAH ☐ A ☐ BN	EPA 625 WW SVOCs	EPA 8082–PCBs	EPA 8081–Pest.	TPH–GC (Mod. 8100)	TPH–GC w/FING.	EPH (MA DEP)	VPH (MA DEP)	Metals ☐ PPM–13 ☐ R–8	MCP 14 Metals (MA)	Metals (List Below)**	TCLP – Specify Below	SPLP – Specify Below	EPA 300 ☐ Cl ☐ SO4	EPA 300 ☐ NO2 ☐ NO3	Total # of Cont.	Note #
GZ-21	10-3-08 / 1155	GW			X																							3	
GZ-22	↓ 1255	↓			↓																							↓	
Trip Blank					↓																								
PRESERVATIVE (Cl - HCl, M=Methanol, N - HNO3, S - H2SO4, Na - NaOH, O - Other)*					Cl																								
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, T-Teflon, O-Other)*					V																								

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
10-3-08 1700 CS

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
CS 10/6/08 1020 Bill Bierson

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
Bill Bierson 10/6/08 1230 WA/GZA
WA/GZA Lori Jalbert 10/7/08 1100

NOTES: (Unless otherwise noted, all samples have been refrigerated to 4° C)
*Specify "Other" preservatives and containers types in this space.

PROJECT MANAGER: Steve Andrus EXT:

TURNAROUND TIME: Standard Rush___ Days, Approved by _____

LAB USE: TEMP. OF COOLER 2.7 °C Temp Blank ___ Cooler Air ___

10/7 2d

GZA FILE NO: 03.00 32795.12 TASK NO: per PM request dtd 10/8/08 P.O. NO.

10/6/08 1330 LO

PROJECT Chesbert

LOCATION Alton RI

COLLECTOR(S) M. Bergen SHEET 1 OF 1

GZA GeoEnvironmental, Inc.
Labaratory Division

106 South Street
Hopkinton, MA 01748
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ATTACHMENT C

MONTHLY AS/SVE SYSTEM MONITORING DATA

INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
JULY 2008

Name: Angela Harvey
Date: 7/18/2008
Hour meter: 4344.6

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	0.1	20.3	0.0	0.0	0	1.7	0.018	7.4	
SVE-2	0.1	20.4	0.0	0.0	0	2.6	0.020	7.8	
SVE-3	0.2	20.3	0.0	0.0	0	1.7	0.020	7.8	
SVE-4	0.3	20.3	0.1	0.0	0	1.1	0.018	7.4	
SVE-5	0.3	20.2	0.1	0.0	0	2.9	0.005	3.9	Valve fully open.
SVE-6	0.7	20.4	0.1	0.0	0	2.5	0.018	7.4	
SVE-7	0.1	20.0	0.1	0.0	0	3.1	0.013	6.3	
SVE-8	0	20.2	0.1	0.0	0	3.1	0.017	7.2	
SVE-9	0.3	20.1	0.1	0.0	0	1.7	0.021	8.0	
SVE-10	0.3	20.2	0.1	0.0	0	1.6	0.019	7.6	
SVE-11	0.1	20.1	0.2	0.0	0	1.9	0.019	7.6	
SVE-12	0.3	20.2	0.0	0.0	0	3.3	0.019	7.6	Valve fully open.
SVE-13	0.3	20.2	0.0	0.0	0	1.5	0.018	7.4	Valve fully open.
SVE-14	0.3	20.4	0.0	0.0	0	2.2	0.019	7.6	Valve fully open.
SVE-15	0.1	20.2	0.0	0.0	0	1.2	0.020	7.6	
SVE-16	0.5	20.2	0.0	0.0	0	2.1	0.020	7.8	
SSVW-1	0.3	20.3	0.1	0.0	0	2.3	0.020	7.8	
SSVW-2	1	20.2	0.0	0.0	0	1.9	0.019	7.6	
SSVW-3	0.3	20.3	0.0	0.0	0	0.3	0.017	7.2	
SSVW-4	0.1	20.1	0.1	0.0	0	1.9	0.018	7.4	
SSVW-5	0.1	20.2	0.1	0.0	0	0.2	0.018	7.4	
SSVW-6	0.7	20.3	0.1	0.0	0	1.3	0.019	7.6	
SSVW-7	0.3	20.4	0.0	0.0	0	0.1	0.019	7.6	
Combine (BD)	0	20.3	0.1	0.0	0	8.4	--	--	
Combine (DH)	--	--	--	--	--	19.0	--	--	
Combine (AD)	--	--	--	--	--	25.9	--	--	
Combine (AB)	--	--	--	--	--	17.7	--	169.8	
Effluent 1st drum	0.5	--	--	--	--	--	--	--	
Effluent 2nd drum	0.5	--	--	--	--	--	--	--	

Combined 157 scfm per 23 wells = 6.826 scfm per well = 0.018 inches DP per well.

Name: Angela Harvey
Date: 7/18/2008
Hour meter: 4390.9

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	6.6	18.6	0.6	0.0	0	1.1	0.013	6.3	
SVE-18	3.9	18.2	0.7	0.0	0	2.9	0.012	6.1	
SVE-19	4.6	17.6	0.9	0.0	0	2.8	0.010	5.5	
SVE-20	3.7	18.6	0.5	0.0	0	2.7	0.014	6.6	
SVE-21	1.0	19.2	0.1	0.0	0	2.0	0.012	6.1	
SVE-22	2.8	18.8	0.3	0.0	0	1.3	0.012	6.1	
SVE-23	1.9	18.6	0.3	0.0	0	1.9	0.012	6.1	
SVE-24	1.7	18.8	0.2	0.0	0	0.9	0.011	5.8	
SVE-25	0.5	18.9	0.1	0.0	0	1.7	0.014	6.6	
SVE-26	0.7	18.8	0.1	0.0	0	1.6	0.012	6.1	
SVE-27	0.3	18.8	0.1	0.0	0	1.8	0.014	6.6	
SVE-28	0.5	18.9	0.1	0.0	0	2.6	0.000	--	Valve fully open.
SVE-29	0.7	18.8	0.1	0.0	0	2.6	0.000	--	Valve fully open.
SVE-30	0.5	18.7	0.1	0.0	0	2.6	0.000	--	Valve fully open.
Combine (BD)	0.1	19.8	0.3	0.0	0	6.3	--	--	
Combine (DH)	--	--	--	--	--	8.0	--	--	
Combine (AD)	--	--	--	--	--	13.9	--	--	
Combine (AB)	--	--	--	--	--	5.2	--	67.7	
Effluent 1st drum	4.6	--	--	--	--	--	--	--	
Effluent 2nd drum	1.9	--	--	--	--	--	--	--	

Combined 80 scfm per 14 wells = 5.714 scfm per well = 0.012 inches DP per well.

Name: Angela Harvey
Date: 7/18/2008

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	3.3	2.8	
AS-2		3.4	2.8	
AS-3		3.2	2.7	
AS-4	10	3.2	2.8	
AS-5		3.6	2.9	
AS-6		3.3	2.8	
AS-7	10	3.2	2.8	
AS-8		3.1	2.7	
AS-9		3.3	2.8	
AS-10	8	2.3	2.3	Noisy pressure gauge.
AS-11		3.4	2.8	
AS-12		3.3	2.7	
AS-13	9	3.3	2.7	
AS-14		3.4	2.8	
AS-15	10	3.3	2.8	
AS-16	10	3.6	2.9	
Combine	14	18.6	43.9	

Combined 18.57 inches DP @ 14 psi = 46 scfm per 16 wells = 2.875 scfm per well = 3.3 inches DP per well.

Name: Angela Harvey
Date: 7/18/2008

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	10	2.4	2.4	
AS-18		2.6	2.5	
AS-19		2.7	2.6	
AS-20		2.6	2.5	
AS-21	10	2.8	2.6	
AS-22		2.4	2.4	
AS-23		2.5	2.6	
AS-24		2.5	2.6	
AS-25		2.8	2.6	
AS-26	10	2.7	2.6	
AS-27		2.6	2.5	
AS-28		2.8	2.6	
AS-29		2.7	2.6	
AS-30		2.6	2.5	
Combine	16	16.0	35.4	

Combined 11.05 inches DP @ 16 psi = 36 scfm per 14 wells = 2.571 scfm per well = 2.6 inches DP per well.

INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
AUGUST 2008

Name: Angela Harvey
Date: 8/14/2008
Hour meter: 4992.9

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	21.4	0.0	0.0	0	1.5	0.017	7.2	
SVE-2	2.6	21.3	0.0	0.0	0	2.9	0.018	7.4	
SVE-3	2.3	21.4	0.0	0.0	0	1.8	0.018	7.4	
SVE-4	3.7	21.4	0.1	0.0	0	1.2	0.017	7.2	
SVE-5	4.6	21.3	0.0	0.0	0	4.0	0.012	6.1	Valve fully open.
SVE-6	3.3	21.2	0.0	0.0	0	1.9	0.019	7.6	
SVE-7	1.8	21.2	0.1	0.0	0	4.2	0.016	7.0	Valve fully open.
SVE-8	2.8	21.1	0.1	0.0	0	3.3	0.018	7.4	
SVE-9	3.2	21.3	0.1	0.0	0	1.5	0.017	7.2	
SVE-10	1.1	21.3	0.1	0.0	0	1.7	0.020	7.8	
SVE-11	1.5	21.2	0.2	0.0	0	1.9	0.018	7.4	
SVE-12	1.3	21.3	0.0	0.0	0	3.9	0.017	7.2	
SVE-13	2.4	21.3	0.0	0.0	0	1.8	0.018	7.4	
SVE-14	2.2	21.2	0.1	0.0	0	2.0	0.020	7.8	
SVE-15	2.0	21.4	0.0	0.0	0	1.0	0.018	7.4	
SVE-16	2.0	21.5	0.0	0.0	0	2.0	0.018	7.4	
SSVW-1	4.6	21.3	0.2	0.0	0	2.1	0.019	7.6	
SSVW-2	2.3	21.5	0.1	0.0	0	1.8	0.019	7.6	
SSVW-3	3.7	21.3	0.0	0.0	0	0.3	0.018	7.4	
SSVW-4	3.3	21.2	0.1	0.0	0	1.6	0.019	7.6	
SSVW-5	3.6	21.4	0.0	0.0	0	0.2	0.018	7.4	
SSVW-6	0.9	21.4	0.1	0.0	0	1.3	0.019	7.6	
SSVW-7	0.6	21.7	0.0	0.0	0	0.1	0.019	7.6	
Combine (BD)	2.2	21.1	0.1	0.0	0	9.7	--	--	
Combine (DH)	--	--	--	--	--	20.0	--	--	
Combine (AD)	--	--	--	--	--	26.9	--	--	
Combine (AB)	--	--	--	--	--	17.2	--	170.5	
Effluent 1st drum	2.4	--	--	--	--	--	--	--	
Effluent 2nd drum	2.0	--	--	--	--	--	--	--	

Combined 155 scfm per 23 wells = 6.739 scfm per well = 0.017 inches DP per well.

Name: Angela Harvey
Date: 8/14/2008
Hour meter: 5025.2

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	7.7	21.1	0.5	0.0	0	1.5	0.011	5.8	
SVE-18	8.5	21.1	0.6	0.0	0	3.4	0.008	5.0	Valve fully open.
SVE-19	7.8	20.7	0.8	0.0	0	3.0	0.011	5.8	
SVE-20	0.6	21.1	0.4	0.0	0	2.5	0.013	6.3	
SVE-21	1.3	21.3	0.2	0.0	0	2.3	0.012	6.1	
SVE-22	9.5	21.3	0.3	0.0	0	1.5	0.013	6.3	
SVE-23	3.5	21.0	0.3	0.0	0	1.6	0.012	6.1	
SVE-24	2.6	21.1	0.2	0.0	0	1.0	0.010	5.5	
SVE-25	0.0	21.2	0.2	0.0	0	1.9	0.012	6.1	
SVE-26	0.0	21.0	0.2	0.0	0	0.4	0.010	5.5	
SVE-27	0.0	21.2	0.2	0.0	0	1.7	0.011	5.8	
SVE-28	0.0	21.1	0.1	0.0	0	2.9	0.000	--	Valve fully open.
SVE-29	0.0	21.2	0.0	0.0	0	2.9	0.000	--	Valve fully open.
SVE-30	0.1	21.1	0.1	0.0	0	2.9	0.000	--	Valve fully open.
Combine (BD)	9.7	20.7	0.3	0.0	0	6.9	--	--	
Combine (DH)	--	--	--	--	--	12.0	--	--	
Combine (AD)	--	--	--	--	--	14.7	--	--	
Combine (AB)	--	--	--	--	--	4.9	--	64.4	
Effluent 1st drum	12.0	--	--	--	--	--	--	--	
Effluent 2nd drum	3.9	--	--	--	--	--	--	--	

Combined 80 scfm per 14 wells = 5.714 scfm per well = 0.011 inches DP per well.

Name: Angela Harvey
Date: 8/14/2008

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	10	3.3	2.9	
AS-2		3.1	2.7	
AS-3		3.1	2.7	
AS-4	12	3.1	2.7	
AS-5		3.2	2.8	
AS-6		3.4	3.0	
AS-7	10	3.1	2.7	
AS-8		3.2	2.8	
AS-9		3.4	2.8	
AS-10	9	3.2	2.7	
AS-11		3.4	2.8	
AS-12		3.5	2.8	
AS-13	9	3.1	2.6	
AS-14		3.4	2.8	
AS-15	10	3.4	2.8	
AS-16	12	3.4	3.0	
Combine	14	18.2	44.2	

Combined 18.2 inches DP @ 14 psi = 46 scfm per 16 wells = 2.875 scfm per well = 3.2 inches DP per well.

Name: Angela Harvey
Date: 8/14/2008

TABLE 4

EXTERIOR AS SYSTEM

Charbert Facility
Alton, Rhode Island

Location	Monitoring order	Pressure (psi)	Diff Pressure (in of water)	Flow (ft^3/min)	Notes:
AS-17	1	12	2.6	2.6	
AS-18	2		2.6	2.6	
AS-19	3		2.8	2.7	
AS-20	4		2.7	2.7	
AS-21	5	10	2.5	2.5	
AS-22	6		2.6	2.5	
AS-23	7		2.6	2.5	
AS-24	8		2.6	2.5	
AS-25	9		2.4	2.4	
AS-26	10	10	2.5	2.5	
AS-27	11		2.7	2.6	
AS-28	12		2.6	2.5	
AS-29	13		2.7	2.6	
AS-30	14		2.6	2.5	
Combine		10.5	16.0	35.4	

Combined 10.8 inches DP @ 16 psi = 35.5 scfm per 14 wells = 2.537scfm per well = 2.6 inches DP per well.

INTERIOR AND EXTERIOR
AS-SVE MONITORING RESULTS
SEPTEMBER 2008

Name: Angela Harvey
Date: 9/10/2008
Hour meter: 5641.0

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	1.0	21.1	0.0	0.0	0	1.7	0.017	7.2	
SVE-2	1.1	21.2	0.0	0.0	0	2.4	0.017	7.2	
SVE-3	0.9	21.2	0.0	0.0	0	1.8	0.019	7.6	
SVE-4	1.0	21.1	0.1	0.0	0	1.3	0.018	7.4	
SVE-5	0.8	21.1	0.0	0.0	0	2.8	0.017	7.0	
SVE-6	0.7	21.1	0.0	0.0	0	2.2	0.017	7.2	
SVE-7	0.4	21.0	0.1	0.0	0	3.1	0.018	7.4	
SVE-8	0.6	21.0	0.1	0.0	0	3.3	0.017	7.2	
SVE-9	0.7	20.9	0.1	0.0	0	1.5	0.017	7.2	
SVE-10	0.4	21.0	0.1	0.0	0	1.6	0.017	7.2	
SVE-11	0.6	20.7	0.3	0.0	0	2.0	0.018	7.4	
SVE-12	0.5	21.0	0.1	0.0	0	3.6	0.018	7.4	
SVE-13	1.1	21.3	0.0	0.0	0	1.6	0.018	7.4	
SVE-14	1.4	21.2	0.1	0.0	0	1.7	0.017	7.2	
SVE-15	0.8	21.1	0.1	0.0	0	0.8	0.017	7.2	
SVE-16	0.6	21.0	0.0	0.0	0	2.1	0.019	7.6	
SSVW-1	3.4	21.2	0.1	0.0	0	2.0	0.017	7.2	
SSVW-2	2.4	21.3	0.1	0.0	0	1.6	0.019	7.6	
SSVW-3	0.8	21.1	0.0	0.0	0	0.2	0.017	7.2	
SSVW-4	0.5	20.9	0.1	0.0	0	1.7	0.018	7.4	
SSVW-5	0.7	21.1	0.1	0.0	0	0.2	0.017	7.2	
SSVW-6	3.4	21.2	0.1	0.0	0	1.3	0.016	7.0	
SSVW-7	0.0	21.3	0.0	0.0	0	0.5	0.018	7.4	
Combine (BD)	2	21.2	0.1	0.0	0	11.5	--	--	
Combine (DH)	--	--	--	--	--	22.0	--	--	
Combine (AD)	--	--	--	--	--	28.8	--	--	
Combine (AB)	--	--	--	--	--	17.4	--	167.8	
Effluent 1st drum	0.3	--	--	--	--	--	--	--	
Effluent 2nd drum	0.7	--	--	--	--	--	--	--	

Combined 155 scfm per 23 wells = 6.739 scfm per well = 0.017 inches DP per well.

Landtec: O2 = 21.3 CO2 = 0.0 CH4 = 0 LEL = 0

OVM after calibration: 103.5 ppmv

Name: Angela Harvey
Date: 9/10/2008
Hour meter: 5641.0

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	0.8	19.8	0.7	0.0	0	1.6	0.011	5.8	
SVE-18	1.4	19.8	0.8	0.0	0	0.5	0.007	4.8	Valve fully open -- condensation in line.
SVE-19	5.5	19.8	0.9	0.0	0	3.3	0.011	5.8	
SVE-20	1.4	19.8	0.7	0.0	0	2.0	0.012	6.1	
SVE-21	0.8	20.3	0.2	0.0	0	2.4	0.011	5.8	
SVE-22	11.1	19.2	0.9	0.0	0	3.1	0.011	5.8	
SVE-23	1.6	18.7	1.0	0.0	0	1.7	0.011	5.8	
SVE-24	2.4	19.5	0.3	0.0	0	1.0	0.011	5.8	
SVE-25	0.6	20.2	0.1	0.0	0	1.9	0.012	6.1	
SVE-26	0.1	19.9	0.3	0.0	0	0.6	0.011	5.8	
SVE-27	0.0	20.0	0.2	0.0	0	1.6	0.013	6.3	
SVE-28	0.0	19.9	0.2	0.0	0	2.8	0.000	0.0	Valve fully open.
SVE-29	0.0	19.4	0.3	0.0	0	2.8	0.000	0.0	Valve fully open.
SVE-30	0.0	19.9	0.2	0.0	0	2.8	0.000	0.0	Valve fully open.
Combine (BD)	2.1	19.5	0.4	0.0	0	2.8	--	--	
Combine (DH)	--	--	--	--	--	11.0	--	--	
Combine (AD)	--	--	--	--	--	14.9	--	--	
Combine (AB)	--	--	--	--	--	5.0	--	63.9	
Effluent 1st drum	1.7	--	--	--	--	--	--	--	
Effluent 2nd drum	4.1	--	--	--	--	--	--	--	

Combined 80 scfm per 14 wells = 5.714 scfm per well = 0.011 inches DP per well.

Name: Angela Harvey
Date: 9/10/2008

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	11	2.9	2.8	
AS-2		2.8	2.7	
AS-3		2.9	2.8	
AS-4	12	2.8	2.7	
AS-5		2.9	2.8	
AS-6		2.9	2.8	
AS-7	12	2.8	2.7	
AS-8		2.9	2.8	
AS-9		2.9	2.8	
AS-10	10	2.7	2.6	
AS-11		2.8	2.6	
AS-12		2.7	2.6	
AS-13	9	2.8	2.6	
AS-14		2.7	2.5	
AS-15	10	2.8	2.6	
AS-16	11	2.8	2.7	
Combine	15	15.8	42.7	

Combined 15.8 inches DP @ 15 psi = 43 scfm per 16 wells = 2.6875 scfm per well = 2.8 inches DP per well.

Name: Angela Harvey
Date: 9/10/2008

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	2.5	2.5	
AS-18		2.5	2.5	
AS-19		2.5	2.5	
AS-20		2.5	2.5	
AS-21	11	2.5	2.5	
AS-22		2.6	2.6	
AS-23		2.5	2.5	
AS-24		2.6	2.6	
AS-25		2.5	2.5	
AS-26	12	2.5	2.5	
AS-27		2.5	2.5	
AS-28		2.6	2.6	
AS-29		2.5	2.5	
AS-30		2.4	2.5	
Combine	17		35.1	

Combined 10.51 inches DP @ 17 psi = 35 scfm per 14 wells = 2.5 scfm per well = 2.5 inches DP per well.

ATTACHMENT D

THIRD QUARTER 2008 UIC REPORT

GZA
GeoEnvironmental, Inc.

Engineers and Scientists

October 9, 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

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

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

Dear Mr. Roy:

This letter with attachments serves as the third 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 pump house 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 slightly higher than the PAL of 50 ug/L. Note that this well was sampled by bailing, versus the low-flow purge and sample method that is typically employed to minimize the entrainment of silty soils.

As noted in the field sampling log in Attachment A, the sample from this well was relatively turbid, with a turbidity value of 94 NTU, which can be an indication of suspended solids within the sample. Table 1 shows that the dissolved chromium concentration for this well was less than the PAL, consistent with the results obtained since chromium testing at the wells commenced in December 2007. Due to the significant depth to groundwater in this well, it has been routinely sampled by bailing and, as such, we believe the total chromium concentration was impacted by the sampling method and does not represent a change in groundwater conditions at the facility.

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Acetone was detected at a concentration of 390 µg/l in the sample from MW-3. This concentration falls within the historical range for the site. 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, which is greater than the observed level.

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
SEPTEMBER 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		02/21/2008		02/21/2008		02/21/2008	
				Result	Limit	Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS:											
Acetone	NS	NS	ug/L (ppb)	<	25	<	25	390	25	<	25
TOTAL PETROLEUM HYDROCARBONS:											
Hydrocarbon Content	NS	NS	ug/L (ppb)	6600	200	6200	200	<	200	14000	200
TOTAL METALS:											
Barium	2000	1000	ug/L (ppb)	16	5	7.9	5	29	5	<	5
Chromium	100	50	ug/L (ppb)	**56**	5	26	5	32	5	38	5
DISSOLVED METALS:											
Chromium	NS	NS	ug/L (ppb)	38	5	13	5	22	5	28	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
SEPTEMBER 2008

Charbert Facility
Richmond, Rhode Island

	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	UNITS	MW-5B (GP-30) 02/21/2008		MW-6 (RIZ-20) 02/21/2008	
				Result	Limit	Result	Limit
VOLATILE ORGANICS:							
Acetone	NS	NS	ug/L (ppb)	<	25	<	25
TOTAL PETROLEUM HYDROCARBONS:							
Hydrocarbon Content	NS	NS	ug/L (ppb)	**15000**	200	2200	200
TOTAL METALS:							
Barium	2000	1000	ug/L (ppb)	21	5	16	5
Chromium	100	50	ug/L (ppb)	5	5	8.8	5
DISSOLVED METALS:							
Chromium	NS	NS	ug/L (ppb)	5	5	7.8	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
SEPTEMBER 2008

Charbert Facility
Richmond, Rhode Island

LAGOON INFLUENT SCHEDULE			
DATE	RECEIVING LAGOON	CHANGED TO LAGOON	REMARKS
March 2008 to September 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 LOGS

LOW FLOW GROUNDWATER SAMPLING LOG

Charbert Facility
Richmond, Rhode Island

LOCATION: Charbert
DATE: Wedneday, September 3. 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: MJB
_____ TOP OF CASING ELEVATION

WELL DEPTH (FT): 31.34
LENGTH OF WATER COLUMN (FT): 7.29
WATER DEPTH (FT): 24.05
WELL DIAMETER: 2"
UPPER PRODUCT LAYER (FT): NA
WELL VOLUME: LITERS 4.50
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: 14:27
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): 13.5
_____ Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
14.:51	-13	6.67	0.77	94.0	2.1	16.2

COLOR: Grey
WELL LOCKED YES X
ODOR: Chemical
NO _____
NOTES: Collected sample with a disposible polyethylene bailer.
Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium

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: Wedneday, September 3. 2008
GZA JOB NO.: 32795.33
WELL ID: MW-2A
WEATHER: Clear
AIR TEMP (°F): 80s
PUMP TYPE: Peristaltic
DATUM: 63.59 TOP OF PVC ELEVATION
SAMPLED BY: ALH
TOP OF CASING ELEVATION

WELL DEPTH (FT): 19.72
LENGTH OF WATER COLUMN (FT): 5.22
WATER DEPTH (FT): 14.50
WELL DIAMETER: 2"
UPPER PRODUCT LAYER (FT): NA
WELL VOLUME: LITERS 3.22
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 14:15
VOLUME: 0.055 Liters
SAMPLE TIME: 15:55
START TIME 0.0
DELTA TIME (MIN): 100
END TIME 10 Seconds
FLOW RATE: (L/min) 0.33
MINIMUM PURGE TIME (MINUTES): 9.8
WELL DRAW DOWN (FT): 15.8 Flow Depth
VOLUME PURGED (Liters): 33.0
1.30 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
15:28	-4	6.74	1.06	72	2.4	19.9
15:31	-5	6.7	1.06	73	2.1	19.8
15:34	-9	6.6	1.06	71	1.8	19.8
15:39	-12	6.61	1.06	73	1.4	19.7
15:44	-14	6.64	1.06	73	1.2	19.7
15:49	-16	6.65	1.05	70	1.0	19.8
15:54	-16	6.65	1.05	71	0.9	19.8

COLOR: Gey
WELL LOCKED YES
ODOR: Chemical odor
NO X

NOTES: Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium

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: Wedneday, September 3. 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: MJB
TOP OF CASING ELEVATION

WELL DEPTH (FT): 21.55
LENGTH OF WATER COLUMN (FT): 4.37
WATER DEPTH (FT): 17.18
WELL DIAMETER: 2"
UPPER PRODUCT LAYER (FT): NA
WELL VOLUME: LITERS 2.70
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 10:55
VOLUME: 0.051 Liters
SAMPLE TIME: 13:35
START TIME 0.0
DELTA TIME (MIN): 160
END TIME 10 Seconds
FLOW RATE: (L/min) 0.31
MINIMUM PURGE TIME (MINUTES): 8.8
WELL DRAW DOWN (FT): 17.24 Flow Depth
VOLUME PURGED (Liters): 49.0
0.06 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
11:28	-36	6.34	0.51	54	1.2	18.4
11:33	-37	6.22	0.51	55	0.9	18.4
11:38	-38	6.13	0.51	51	0.6	18.2
11:43	-37	6.12	0.51	42	0.4	17.99
11:48	-40	6.16	0.51	40	0.3	17.5
11:53	-43	6.18	0.51	37	0.4	17.6
11:56	-43	6.21	0.51	42	0.4	17.7
11:59	-43	6.25	0.51	39	0.4	17.7
13:24	-21	6.42	0.51	26	1.1	18.0
13:27	-21	6.35	0.51	32	0.8	17.9
13:30	-28	6.32	0.51	25	0.7	17.9

COLOR: Grey
WELL LOCKED YES X
ODOR: Faint odor
NO

NOTES: Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium
Turbidity and DO did not stabalize. 2 hour cut off.

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: Wedneday, September 3. 2008
GZA JOB NO.: 32795.33
WELL ID: MW-4A
WEATHER: Clear
AIR TEMP (°F): 80
PUMP TYPE: Peristaltic
DATUM: 58.43 TOP OF PVC ELEVATION
SAMPLED BY: MJB
TOP OF CASING ELEVATION

WELL DEPTH (FT): 14.10
LENGTH OF WATER COLUMN (FT): 3.40
WATER DEPTH (FT): 10.70
WELL DIAMETER: 2"
UPPER PRODUCT LAYER (FT): NA
WELL VOLUME: LITERS 2.10
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 11:15
VOLUME: 0.035 Liters
SAMPLE TIME: 12:55
START TIME 0.0
DELTA TIME (MIN): 100
END TIME 10 Seconds
FLOW RATE: (L/min) 0.21
MINIMUM PURGE TIME (MINUTES): 10.0
WELL DRAW DOWN (FT): 10.93 Flow Depth
VOLUME PURGED (Liters): 21.0
0.23 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
12:17	-44	6.63	0.64	42.0	0.9	20.2
12:22	-47	6.64	0.64	40.0	0.8	20.2
12:27	-50	6.64	0.64	41.0	0.6	20.2
12:32	-52	6.64	0.64	42	0.5	20.3
12:37	-53	6.64	0.64	42	0.5	20.3
12:42	-54	6.64	0.64	42	0.4	20.2
12:45	-55	6.64	0.64	42	0.4	20.2
12:48	-55	6.64	0.64	41	0.4	20.2
12:51	-56	6.64	0.64	42	0.4	20.2
12:54	-56	6.64	0.64	42	0.3	20.2

COLOR: Slight Pink
WELL LOCKED YES X
ODOR: Chemical
NO

NOTES: Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium

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
GZA JOB NO.: 32795.33
WEATHER: Clear
PUMP TYPE: Bailer
SAMPLED BY: MJB

DATE: Wedneday, September 3. 2008
WELL ID: MW-5B (GP-30)
AIR TEMP (°F): 80
DATUM: 63.16 TOP OF PVC ELEVATION
_____ TOP OF CASING ELEVATION

WELL DEPTH (FT): 22.83
WATER DEPTH (FT): 14.2
UPPER PRODUCT LAYER (FT): NA
LOWER PRODUCT LAYER (FT): NA

LENGTH OF WATER COLUMN (FT): 8.63
WELL DIAMETER: 2"
WELL VOLUME: LITERS 5.32

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:
VOLUME: - Liters
START TIME -
END TIME - Seconds
MINIMUM PURGE TIME (MINUTES):
VOLUME PURGED (Liters): 16.0

START FLOW 16:48
SAMPLE TIME: 17:00
DELTA TIME (MIN): 12
FLOW RATE: (L/min)
WELL DRAW DOWN (FT): - Flow Depth
_____ Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (oC)
16:58	116	6.42	0.06	181	4.5	14.9

COLOR: Slight pink
ODOR: Faint odor

WELL LOCKED YES X
NO _____

NOTES: Collected sample with a disposible polyethylene bailer. SVOCs cap broke. Cap was secured and bottle stored upright until cap was able to be replaced.
Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium

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: Wedneday, September 3. 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): 5.58
WATER DEPTH (FT): 15.27
WELL DIAMETER: 2"
UPPER PRODUCT LAYER (FT): NA
WELL VOLUME: LITERS 3.44
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 8:57
VOLUME: 0.45 Liters
SAMPLE TIME: 10:15
START TIME 0.0
DELTA TIME (MIN): 78
END TIME 60 Seconds
FLOW RATE: (L/min) 0.45
MINIMUM PURGE TIME (MINUTES): 7.7
WELL DRAW DOWN (FT): 15.32 Flow Depth
VOLUME PURGED (Liters): 35.1
0.05 Drawdown

TIME	ORP (mV)	pH (SU)	COND (mS/cm)	TURB (NTU)	DO (mg/L)	TEMP (°C)
10:02	29	6.36	0.701	2.0	0.4	16.7
10:06	30	6.38	0.698	1.0	0.4	16.7
10:13	30	6.38	0.696	1.0	0.4	16.7

COLOR: Pink
WELL LOCKED YES X
ODOR: Chemical
NO

NOTES: Sampled for VOCS, SVOCs, TPH, Total RCRA 8, and Dissolved Chromium

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

Stephen Andrus

Project No.: **03.0032795.33**
Work Order No.: **0809-00029**
Date Received: **09/04/2008**
Date Reported: **09/17/2008**

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
09/03/2008	Aqueous	0809-00029 001	MW - 6
09/03/2008	Aqueous	0809-00029 002	MW - 6 / Dissolved Metal
09/03/2008	Aqueous	0809-00029 003	UIC - 1A
09/03/2008	Aqueous	0809-00029 004	UIC - 1A / Dissolved Metal
09/03/2008	Aqueous	0809-00029 005	UIC - 2A
09/03/2008	Aqueous	0809-00029 006	UIC - 2A / Dissolved Metal
09/03/2008	Aqueous	0809-00029 007	UIC - 3
09/03/2008	Aqueous	0809-00029 008	UIC - 3 / Dissolved Metal
09/03/2008	Aqueous	0809-00029 009	UIC - 4A
09/03/2008	Aqueous	0809-00029 010	UIC - 4A / Dissolved Metal
09/03/2008	Aqueous	0809-00029 011	UIC - 5B
09/03/2008	Aqueous	0809-00029 012	UIC - 5B / Dissolved Metal
09/03/2008	Aqueous	0809-00029 013	Trip Blank

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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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 09/04/08 via _x_GZA courier, __EC, __FEDEX, or ___hand delivered. The temperature of the __temperature blank/_x_cooler air, was 3.8 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/7470A - Metals

Attach QC 6010B 09/05/08 - Aqueous
Attach QC 7470A 09/05/08 - Aqueous

3. Total Petroleum Hydrcarbons

*Greater than 75% of the hydrocarbon content in samples MW-6, UIC-1A, UIC-2A, UIC-4A, and UIC-5B are due to the presence of non-petroleum products. These products were tentatively identified by GC/MS to fall in the class of alkylphenols and alkylphenol ethoxylates.

4. EPA Method 8270 - SVOCs

The Initial Calibration (ICAL) (08/27/08) (IABN162) had analytes whose %RSD was greater than 15%. The specific outliers include benzoic acid (23.1%) and 2,4-dinitrophenol (23.5%). These analytes are not target analytes for the associated samples

Attach QC 8270 09/08/08 - Aqueous

5. EPA Method 8260 - VOCs

The continuing calibration verification standard (CCV) (09/11/08) had analytes outside of the 30%D QC acceptance limit. The outliers include tert-butyl alcohol (TBA) (48%) and tetrahydrofuran (89%).

The continuing calibration verification standard (CCV) (09/12/08) had analytes outside of the 30%D QC acceptance limit. The outliers include tert-butyl alcohol (TBA) (38%) and tetrahydrofuran (90%).

Attach QC 8260 09/11/08 #2 A - Aqueous
Attach QC 8260 09/12/08 A - Aqueous

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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

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 8270: The current version of the method is 8270D.
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.

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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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **MW - 6** Sample No.: **001**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **MW - 6** Sample No.: **001**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	100	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	99.4	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	99.5	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/11/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	09/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<10	ug/L	CMG	09/10/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **MW - 6** Sample No.: **001**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	51.9	% R	CMG	09/10/2008
***2-Fluorobiphenyl	EPA 8270	48.4	% R	CMG	09/10/2008
***P-Terphenyl-D14	EPA 8270	52.7	% R	CMG	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/08/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/08/2008
Hydrocarbon Content		2200	ug/L	RJD	09/08/2008
Surrogate:					
***p-Terphenyl		76.2	% R	RJD	09/08/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	0.016	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.0088	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **MW - 6 / Dissolved Metal** Sample No.: **002**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.0078	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 1A** Sample No.: **003**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 1A** Sample No.: **003**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	102	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	98.0	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	99.5	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/11/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	09/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<10	ug/L	CMG	09/10/2008

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Sample ID: **UIC - 1A** Sample No.: **003**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	59.7	% R	CMG	09/10/2008
***2-Fluorobiphenyl	EPA 8270	63.6	% R	CMG	09/10/2008
***P-Terphenyl-D14	EPA 8270	75.7	% R	CMG	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/08/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/08/2008
Hydrocarbon Content		6600	ug/L	RJD	09/08/2008
Surrogate:					
***p-Terphenyl		77.0	% R	RJD	09/08/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	0.016	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.056	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008

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Work Order No.: **0809-00029**

Sample ID: **UIC - 1A / Dissolved Metal** Sample No.: **004**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.038	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 2A** Sample No.: **005**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 2A** Sample No.: **005**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	97.6	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	97.4	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	101	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/11/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/08/2008
Hydrocarbon Content		6200	ug/L	RJD	09/08/2008

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 2A** Sample No.: **005**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogate:					
***p-Terphenyl		84.3	% R	RJD	09/08/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	0.0079	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.026	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008
GC-MS SEMIVOLATILES				XXX	

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 2A / Dissolved Metal** Sample No.: **006**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.013	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 3** Sample No.: **007**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	390	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 3** Sample No.: **007**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	97.7	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	98.5	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	98.2	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/12/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	09/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<10	ug/L	CMG	09/10/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 3** Sample No.: **007**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	51.3	% R	CMG	09/10/2008
***2-Fluorobiphenyl	EPA 8270	56.6	% R	CMG	09/10/2008
***P-Terphenyl-D14	EPA 8270	68.1	% R	CMG	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/08/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/10/2008
Hydrocarbon Content		<200	ug/L	RJD	09/10/2008
Surrogate:					
***p-Terphenyl		111	% R	RJD	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	0.029	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.032	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
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Work Order No.: **0809-00029**

Sample ID: **UIC - 3 / Dissolved Metal** Sample No.: **008**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.022	mg/L	LLZ	09/05/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 4A** Sample No.: **009**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 4A** Sample No.: **009**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	104	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	98.2	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	101	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/12/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	09/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	10	ug/L	CMG	09/10/2008

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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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 4A** Sample No.: **009**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	65.4	% R	CMG	09/10/2008
***2-Fluorobiphenyl	EPA 8270	67.9	% R	CMG	09/10/2008
***P-Terphenyl-D14	EPA 8270	71.5	% R	CMG	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/08/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/11/2008
Hydrocarbon Content		14000	ug/L	RJD	09/11/2008
Surrogate:					
***p-Terphenyl		120	% R	RJD	09/11/2008
Extraction	EPA 3510C	10	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.038	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008

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Project No.: **03.0032795.33**

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 4A / Dissolved Metal** Sample No.: **010**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	0.028	mg/L	LLZ	09/05/2008

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 5B** Sample No.: **011**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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Stephen Andrus

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 5B** Sample No.: **011**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	94.9	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	98.6	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	99.0	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/12/2008
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	09/10/2008
bis(2-Ethylhexyl)Phthalate	EPA 8270	<10	ug/L	CMG	09/10/2008

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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: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 5B** Sample No.: **011**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Surrogates:	EPA 8270				
***Nitrobenzene-D5	EPA 8270	78.8	% R	CMG	09/10/2008
***2-Fluorobiphenyl	EPA 8270	81.2	% R	CMG	09/10/2008
***P-Terphenyl-D14	EPA 8270	68.9	% R	CMG	09/10/2008
Extraction	EPA 3510C	1.0	DF	JMB	09/08/2008
TOTAL PETROLEUM HYDROCARBON	Mod. EPA 8100			RJD	09/11/2008
Hydrocarbon Content		15000	ug/L	RJD	09/11/2008
Surrogate:					
***p-Terphenyl		123	% R	RJD	09/11/2008
Extraction	EPA 3510C	10	DF	JMB	09/05/2008
RCRA METALS				LLZ	09/05/2008
Silver	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Arsenic	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Barium	EPA 6010B	0.021	mg/L	LLZ	09/05/2008
Cadmium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008
Chromium	EPA 6010B	0.0050	mg/L	LLZ	09/05/2008
Mercury	EPA 7470A	<0.00040	mg/L	TN	09/08/2008
Lead	EPA 6010B	<0.010	mg/L	LLZ	09/05/2008
Selenium	EPA 6010B	<0.025	mg/L	LLZ	09/05/2008

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Stephen Andrus

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **UIC - 5B / Dissolved Metal** Sample No.: **012**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
DISSOLVED METALS					
Chromium	EPA 6010B	<0.0050	mg/L	LLZ	09/05/2008

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **Trip Blank** Sample No.: **013**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	09/12/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	09/12/2008
Acetone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	09/12/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	09/12/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	09/12/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	09/12/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	09/12/2008

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Stephen Andrus

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

Date Received: **09/04/2008**
Date Reported: **09/17/2008**
Work Order No.: **0809-00029**

Sample ID: **Trip Blank** Sample No.: **013**

Sample Date: **09/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	09/12/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	09/12/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	09/12/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	09/12/2008
Surrogates:	EPA 8260				
***Dibromofluoromethane	EPA 8260	89.8	% R	MQS	09/12/2008
***Toluene-D8	EPA 8260	99.1	% R	MQS	09/12/2008
***4-Bromofluorobenzene	EPA 8260	98.6	% R	MQS	09/12/2008
Preparation	EPA 5030B	1.0	CF	MQS	09/12/2008

GZA GEOENVIRONMENTAL, INC.
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: 9/5/2008

QC Sample	Method Blank	Lab Control Sample	LC Duplicate	LCS/LCD Diff.
Units	mg/L	% Recovery	% Recovery	RPD
Acceptance Limits	Results	80-120	80-120	20%
Analyte				
Silver (Ag)	<0.0050	92.8	91.9	0.93
Aluminum (Al)	NA	NA	NA	NA
Arsenic (As)	<0.010	99.4	99.7	0.37
Boron (B)	NA	NA	NA	NA
Barium (Ba)	<0.0050	100	99.6	0.46
Beryllium (Be)	NA	NA	NA	NA
Calcium (Ca)	NA	NA	NA	NA
Cadmium (Cd)	<0.0050	99.6	99.5	0.09
Cobalt (Co)	NA	NA	NA	NA
Chromium (Cr)	<0.0050	98.3	98.4	0.10
Copper (Cu)	NA	NA	NA	NA
Iron (Fe)	NA	NA	NA	NA
Magnesium (Mg)	NA	NA	NA	NA
Manganese (Mn)	NA	NA	NA	NA
Molybdenum (Mo)	NA	NA	NA	NA
Nickel (Ni)	NA	NA	NA	NA
Lead (Pb)	<0.010	98.4	98.7	0.34
Antimony (Sb)	NA	NA	NA	NA
Selenium (Se)	<0.025	104	104	0.03
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

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

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

EPA METHOD 7470A ANALYSIS
Mercury by Cold Vapor Atomic Absorption

QUALITY CONTROL - AQUEOUS

Date Prepared: 09/05/08

QC Sample	Method Blank	Lab Control Sample
Units	mg/L	% Recovery
Acceptance Limits	Results	80-120
Analyte		
Mercury (Hg)	<0.00040	90.1

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

GZA GeoEnvironmental, Inc.
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Hopkinton, MA 01748
MA092

EPA Method 8270/625 Aqueous Method Blank (MB) and Laboratory Control Sample (LCS) Data

Method Blank

Date Extracted:	**09/08/08**	
Date Analyzed:	**09/10/08**	
File Name:	**L8840**	
		Reporting Limit
Semi-Volatile Organics	**Result**	**(ug/L)**
bis(2-ethylhexyl)phthalate	ND	10

Surrogates:	**Recovery (%)**	**Acceptance Limits**
NITROBENZENE-D5	78.3	30-130
2-FLUOROBIPHENYL	80.2	30-130
p-TERPHENYL-D14	79.8	30-130

Report Generated: 9/11/08 4:30 PM

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EPA Method 8270/625 Aqueous Method Blank (MB) and Laboratory Control Sample (LCS) Data

Laboratory Control Sample

Date Extracted:	**09/08/08**
Date Analyzed:	**09/10/08**
File Name:	**L8841**

Spike Concentration = 20ug/L	**% Recovery**	**Acceptance Limits**	**Verdict**
bis(2-ethylhexyl)phthalate	109	40-140	ok

CAM criteria allows 15% of analytes to exceed criteria.

Surrogates:	**Recovery (%)**	**Acceptance Limits**	**Verdict**
NITROBENZENE-D5	84.5	30-130	ok
2-FLUOROBIPHENYL	86.5	30-130	ok
p-TERPHENYL-D14	65.3	30-130	ok

Report Generated: 9/11/08 4:30 PM

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

Method Blank			Laboratory Control Sample	#2			Laboratory Control Sample Duplicate					
Date Analyzed:	9/11/2008		Date Analyzed:	9/11/2008			9/11/2008					
Volatile 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	104	70-130	ok	104	70-130	ok	0.23	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	88.0	70-130	ok	83.7	70-130	ok	5.00	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	94.7	80-120	ok	92.4	80-120	ok	2.50	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	96.8	70-130	ok	97.2	70-130	ok	0.48	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	92.5	70-130	ok	89.5	70-130	ok	3.26	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	101	70-130	ok	99.4	70-130	ok	1.52	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	91.9	70-130	ok	90.9	70-130	ok	1.10	<25	ok
acetone	< 13	< 13	acetone	95.5	70-130	ok	98.0	70-130	ok	2.54	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	96.7	80-120	ok	95.0	80-120	ok	1.76	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	105	70-130	ok	102	70-130	ok	2.65	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	93.7	70-130	ok	92.5	70-130	ok	1.32	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	112	70-130	ok	110	70-130	ok	2.17	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	92.2	70-130	ok	91.8	70-130	ok	0.47	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	108	70-130	ok	110	70-130	ok	3.60	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	95.6	70-130	ok	86.3	70-130	ok	0.00	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	94.5	70-130	ok	93.1	70-130	ok	1.56	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	98.1	70-130	ok	95.7	70-130	ok	2.51	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	102	70-130	ok	100	70-130	ok	1.71	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	92.3	70-130	ok	91.0	70-130	ok	1.47	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	100.0	70-130	ok	98.6	70-130	ok	1.38	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	92.2	70-130	ok	90.7	70-130	ok	1.63	<25	ok
2-butanone	< 13	< 13	2-butanone	104	70-130	ok	100	70-130	ok	4.03	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	97.8	70-130	ok	93.6	70-130	ok	4.34	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	96.9	70-130	ok	95.8	70-130	ok	1.16	<25	ok
chloroform	< 0.5	< 0.5	chloroform	96.0	80-120	ok	94.2	80-120	ok	1.86	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	102	70-130	ok	99.7	70-130	ok	2.02	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	110	70-130	ok	119	70-130	ok	7.72	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	101	70-130	ok	99.4	70-130	ok	2.02	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	99.6	70-130	ok	98.4	70-130	ok	1.20	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	101	70-130	ok	99.3	70-130	ok	2.05	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	101	70-130	ok	101	70-130	ok	0.01	<25	ok
benzene	< 0.5	< 0.5	benzene	96.8	70-130	ok	95.2	70-130	ok	1.73	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	96.6	70-130	ok	95.0	70-130	ok	1.65	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	101	70-130	ok	99.8	70-130	ok	1.24	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	100	80-120	ok	99.4	80-120	ok	0.73	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	103	70-130	ok	103	70-130	ok	0.72	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	106	70-130	ok	114	70-130	ok	7.54	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	100	70-130	ok	97.8	70-130	ok	2.35	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	95.8	70-130	ok	101	70-130	ok	4.84	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	101	70-130	ok	101	70-130	ok	0.18	<25	ok
toluene	< 0.5	< 0.5	toluene	97.8	80-120	ok	96.9	80-120	ok	1.00	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	97.1	70-130	ok	96.4	70-130	ok	0.72	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	93.2	70-130	ok	95.7	70-130	ok	2.72	<25	ok
2-hexanone	< 13	< 13	2-hexanone	95.9	70-130	ok	103	70-130	ok	8.91	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	95.8	70-130	ok	96.3	70-130	ok	0.53	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	104	70-130	ok	103	70-130	ok	1.03	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	101	70-130	ok	102	70-130	ok	1.05	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	99.2	70-130	ok	99.8	70-130	ok	0.54	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	99.0	70-130	ok	98.3	70-130	ok	0.65	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	97.6	70-130	ok	97.6	70-130	ok	0.09	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	98.6	80-120	ok	96.9	80-120	ok	1.77	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	99.3	70-130	ok	99.9	70-130	ok	0.64	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	94.8	70-130	ok	95.4	70-130	ok	0.64	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	96.2	70-130	ok	96.3	70-130	ok	0.10	<25	ok
styrene	< 0.5	< 0.5	styrene	101	70-130	ok	101	70-130	ok	0.63	<25	ok
bromoform	< 1.0	< 1.0	bromoform	101	70-130	ok	104	70-130	ok	2.06	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	114	70-130	ok	114	70-130	ok	0.10	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	103	70-130	ok	106	70-130	ok	2.39	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	96.1	70-130	ok	96.8	70-130	ok	0.81	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	102	70-130	ok	105	70-130	ok	3.49	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	102	70-130	ok	102	70-130	ok	0.23	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	99.0	70-130	ok	100	70-130	ok	1.29	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	98.8	70-130	ok	106	70-130	ok	7.46	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	101	70-130	ok	102	70-130	ok	0.76	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	117	70-130	ok	116	70-130	ok	0.77	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	98.9	70-130	ok	98.0	70-130	ok	0.97	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	101	70-130	ok	101	70-130	ok	0.32	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	99.2	70-130	ok	97.5	70-130	ok	1.74	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	100	70-130	ok	99.5	70-130	ok	0.78	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	98.4	70-130	ok	98.5	70-130	ok	0.12	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	99.5	70-130	ok	98.6	70-130	ok	0.91	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	98.7	70-130	ok	99.8	70-130	ok	1.14	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	101	70-130	ok	109	70-130	ok	8.07	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	103	70-130	ok	104	70-130	ok	0.93	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	100	70-130	ok	101	70-130	ok	0.92	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	97.0	70-130	ok	105	70-130	ok	8.02	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	99.8	70-130	ok	103	70-130	ok	2.84	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	103	70-130	DIBROMOFLUOROMETHANE	104	70-130	ok	102	70-130	ok	1.82	<25	ok
1,2-DICHLOROETHANE-D4	94.5	70-130	1,2-DICHLOROETHANE-D4	103	70-130	ok	99.5	70-130	ok	3.70	<25	ok
TOLUENE-D8	97.8	70-130	TOLUENE-D8	100	70-130	ok	99.2	70-130	ok	0.90	<25	ok
4-BROMOFLUOROBENZENE	98.7	70-130	4-BROMOFLUOROBENZENE	99.1	70-130	ok	97.8	70-130	ok	1.30	<25	ok
1,2-DICHLOROBENZENE-D4	97.1	70-130	1,2-DICHLOROBENZENE-D4	98.4	70-130	ok	98.0	70-130	ok	0.45	<25	ok

Instrument: HP GC/MS "A"

GZA GeoEnvironmental, Inc.
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Hopkinton, MA 01748

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:	9/12/2008			Date Analyzed:	9/12/2008			9/12/2008					
Volatile 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	97.7	70-130	ok	96.5	70-130	ok	1.31	<25	ok
chloromethane	< 1.0	<	1.0	chloromethane	82.3	70-130	ok	82.9	70-130	ok	0.75	<25	ok
vinyl chloride	< 0.5	<	0.5	vinyl chloride	90.8	80-120	ok	88.0	80-120	ok	3.08	<25	ok
bromomethane	< 1.0	<	1.0	bromomethane	97.5	70-130	ok	95.8	70-130	ok	1.74	<25	ok
chloroethane	< 0.5	<	0.5	chloroethane	86.3	70-130	ok	87.2	70-130	ok	1.34	<25	ok
trichlorofluoromethane	< 1.0	<	1.0	trichlorofluoromethane	96.7	70-130	ok	95.1	70-130	ok	1.66	<25	ok
diethyl ether	< 2.5	<	2.5	diethyl ether	86.4	70-130	ok	87.6	70-130	ok	1.32	<25	ok
acetone	< 13	<	13	acetone	95.3	70-130	ok	94.6	70-130	ok	0.76	<25	ok
1,1-dichloroethene	< 0.5	<	0.5	1,1-dichloroethene	92.5	80-120	ok	91.2	80-120	ok	1.32	<25	ok
FREON-113	< 1.0	<	1.0	FREON-113	98.4	70-130	ok	98.9	70-130	ok	0.48	<25	ok
iodomethane	< 0.5	<	0.5	iodomethane	89.6	70-130	ok	89.8	70-130	ok	0.17	<25	ok
carbon disulfide	< 5.0	<	5.0	carbon disulfide	108	70-130	ok	107	70-130	ok	0.84	<25	ok
dichloromethane	< 1.0	<	1.0	dichloromethane	88.0	70-130	ok	87.8	70-130	ok	0.25	<25	ok
tert-butyl alcohol (TBA)	< 13	<	13	tert-butyl alcohol (TBA)	124	70-130	ok	122	70-130	ok	1.83	<25	ok
acrylonitrile	< 0.5	<	0.5	acrylonitrile	86.7	70-130	ok	86.6	70-130	ok	0.00	<25	ok
methyl-tert-butyl-ether	< 0.5	<	0.5	methyl-tert-butyl-ether	91.7	70-130	ok	89.4	70-130	ok	2.61	<25	ok
trans-1,2-dichloroethene	< 0.5	<	0.5	trans-1,2-dichloroethene	92.7	70-130	ok	93.3	70-130	ok	0.86	<25	ok
1,1-dichloroethane	< 0.5	<	0.5	1,1-dichloroethane	97.6	70-130	ok	97.1	70-130	ok	0.50	<25	ok
di-isopropyl ether (DIPE)	< 1.0	<	1.0	di-isopropyl ether (DIPE)	88.4	70-130	ok	88.3	70-130	ok	0.15	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	<	1.0	ethyl tert-butyl ether (EtBE)	95.6	70-130	ok	94.9	70-130	ok	0.78	<25	ok
vinyl acetate	< 13	<	13	vinyl acetate	87.7	70-130	ok	86.0	70-130	ok	2.00	<25	ok
2-butanone	< 13	<	13	2-butanone	98.2	70-130	ok	101	70-130	ok	2.37	<25	ok
2,2-dichloropropane	< 0.5	<	0.5	2,2-dichloropropane	98.5	70-130	ok	94.3	70-130	ok	4.37	<25	ok
cis-1,2-dichloroethene	< 0.5	<	0.5	cis-1,2-dichloroethene	92.4	70-130	ok	92.7	70-130	ok	0.32	<25	ok
chloroform	< 0.5	<	0.5	chloroform	91.1	80-120	ok	90.6	80-120	ok	0.55	<25	ok
bromochloromethane	< 0.5	<	0.5	bromochloromethane	96.3	70-130	ok	96.7	70-130	ok	0.40	<25	ok
tetrahydrafuran	< 5.0	<	5.0	tetrahydrafuran	98.3	70-130	ok	102	70-130	ok	3.80	<25	ok
1,1,1-trichloroethane	< 0.5	<	0.5	1,1,1-trichloroethane	97.0	70-130	ok	95.9	70-130	ok	1.17	<25	ok
1,1-dichloropropene	< 0.5	<	0.5	1,1-dichloropropene	94.8	70-130	ok	94.5	70-130	ok	0.24	<25	ok
carbon tetrachloride	< 0.5	<	0.5	carbon tetrachloride	95.8	70-130	ok	95.2	70-130	ok	0.64	<25	ok
1,2-dichloroethane	< 0.5	<	0.5	1,2-dichloroethane	95.8	70-130	ok	96.3	70-130	ok	0.56	<25	ok
benzene	< 0.5	<	0.5	benzene	91.6	70-130	ok	91.3	70-130	ok	0.33	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	<	1.0	tert-amyl methyl ether (TAME)	95.2	70-130	ok	93.2	70-130	ok	2.17	<25	ok
trichloroethene	< 0.5	<	0.5	trichloroethene	95.7	70-130	ok	96.6	70-130	ok	0.92	<25	ok
1,2-dichloropropane	< 0.5	<	0.5	1,2-dichloropropane	95.4	80-120	ok	95.1	80-120	ok	0.29	<25	ok
bromodichloromethane	< 0.5	<	0.5	bromodichloromethane	96.1	70-130	ok	97.7	70-130	ok	0.39	<25	ok
1,4-Dioxane	< 50	<	50	1,4-Dioxane	94.6	70-130	ok	113	70-130	ok	18.1	<25	ok
dibromomethane	< 0.5	<	0.5	dibromomethane	92.8	70-130	ok	94.6	70-130	ok	1.91	<25	ok
4-methyl-2-pentanone	< 13	<	13	4-methyl-2-pentanone	90.7	70-130	ok	96.0	70-130	ok	5.64	<25	ok
cis-1,3-dichloropropene	< 0.5	<	0.5	cis-1,3-dichloropropene	98.2	70-130	ok	98.9	70-130	ok	0.70	<25	ok
toluene	< 0.5	<	0.5	toluene	93.4	80-120	ok	94.6	80-120	ok	1.22	<25	ok
trans-1,3-dichloropropene	< 1.0	<	1.0	trans-1,3-dichloropropene	92.8	70-130	ok	93.1	70-130	ok	0.33	<25	ok
1,1,2-trichloroethane	< 0.5	<	0.5	1,1,2-trichloroethane	92.6	70-130	ok	91.1	70-130	ok	1.70	<25	ok
2-hexanone	< 13	<	13	2-hexanone	93.9	70-130	ok	100	70-130	ok	6.39	<25	ok
1,3-dichloropropane	< 0.5	<	0.5	1,3-dichloropropane	95.1	70-130	ok	95.1	70-130	ok	0.01	<25	ok
tetrachloroethene	< 0.5	<	0.5	tetrachloroethene	102	70-130	ok	102	70-130	ok	0.05	<25	ok
dibromochloromethane	< 0.5	<	0.5	dibromochloromethane	99.5	70-130	ok	100	70-130	ok	0.87	<25	ok
1,2-dibromoethane (EDB)	< 1.0	<	1.0	1,2-dibromoethane (EDB)	97.0	70-130	ok	97.2	70-130	ok	0.25	<25	ok
chlorobenzene	< 0.5	<	0.5	chlorobenzene	98.3	70-130	ok	97.7	70-130	ok	0.55	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	<	0.5	1,1,1,2-tetrachloroethane	97.0	70-130	ok	95.9	70-130	ok	1.15	<25	ok
ethylbenzene	< 0.5	<	0.5	ethylbenzene	96.2	80-120	ok	96.9	80-120	ok	1.39	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	<	0.5	1,1,2,2-tetrachloroethane	96.5	70-130	ok	98.6	70-130	ok	2.07	<25	ok
m&p-xylene	< 1.0	<	1.0	m&p-xylene	95.2	70-130	ok	94.2	70-130	ok	1.12	<25	ok
o-xylene	< 0.5	<	0.5	o-xylene	94.6	70-130	ok	93.8	70-130	ok	0.93	<25	ok
styrene	< 0.5	<	0.5	styrene	99.2	70-130	ok	98.0	70-130	ok	1.19	<25	ok
bromoform	< 1.0	<	1.0	bromoform	97.7	70-130	ok	99.3	70-130	ok	1.64	<25	ok
isopropylbenzene	< 0.5	<	0.5	isopropylbenzene	112	70-130	ok	111	70-130	ok	1.09	<25	ok
1,2,3-trichloropropane	< 0.5	<	0.5	1,2,3-trichloropropane	101	70-130	ok	103	70-130	ok	2.13	<25	ok
bromobenzene	< 0.5	<	0.5	bromobenzene	93.5	70-130	ok	93.9	70-130	ok	0.41	<25	ok
n-propylbenzene	< 0.5	<	0.5	n-propylbenzene	104	70-130	ok	104	70-130	ok	0.09	<25	ok
2-chlorotoluene	< 0.5	<	0.5	2-chlorotoluene	91.3	70-130	ok	105	70-130	ok	13.5	<25	ok
1,3,5-trimethylbenzene	< 0.5	<	0.5	1,3,5-trimethylbenzene	97.3	70-130	ok	96.5	70-130	ok	0.78	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	<	1.0	trans-1,4-dichloro-2-butene	104	70-130	ok	106	70-130	ok	1.43	<25	ok
4-chlorotoluene	< 0.5	<	0.5	4-chlorotoluene	98.2	70-130	ok	98.5	70-130	ok	0.26	<25	ok
tert-butyl-benzene	< 0.5	<	0.5	tert-butyl-benzene	115	70-130	ok	114	70-130	ok	0.75	<25	ok
1,2,4-trimethylbenzene	< 0.5	<	0.5	1,2,4-trimethylbenzene	96.6	70-130	ok	95.6	70-130	ok	1.01	<25	ok
sec-butyl-benzene	< 0.5	<	0.5	sec-butyl-benzene	97.0	70-130	ok	96.6	70-130	ok	0.39	<25	ok
p-isopropyltoluene	< 0.5	<	0.5	p-isopropyltoluene	96.8	70-130	ok	96.4	70-130	ok	0.41	<25	ok
1,3-dichlorobenzene	< 0.5	<	0.5	1,3-dichlorobenzene	95.3	70-130	ok	98.9	70-130	ok	3.67	<25	ok
1,4-dichlorobenzene	< 0.5	<	0.5	1,4-dichlorobenzene	96.3	70-130	ok	97.9	70-130	ok	0.44	<25	ok
n-butylbenzene	< 0.5	<	0.5	n-butylbenzene	97.5	70-130	ok	97.7	70-130	ok	0.11	<25	ok
1,2-dichlorobenzene	< 0.5	<	0.5	1,2-dichlorobenzene	93.6	70-130	ok	94.8	70-130	ok	1.24	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	<	2.5	1,2-dibromo-3-chloropropane	98.0	70-130	ok	106	70-130	ok	8.05	<25	ok
1,2,4-trichlorobenzene	< 0.5	<	0.5	1,2,4-trichlorobenzene	99.1	70-130	ok	103	70-130	ok	3.64	<25	ok
hexachlorobutadiene	< 0.5	<	0.5	hexachlorobutadiene	97.9	70-130	ok	102	70-130	ok	4.29	<25	ok
naphthalene	< 1.0	<	1.0	naphthalene	93.2	70-130	ok	103	70-130	ok	10.3	<25	ok
1,2,3-trichlorobenzene	< 0.5	<	0.5	1,2,3-trichlorobenzene	96.2	70-130	ok	102	70-130	ok	6.08	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	101	70-130	DIBROMOFLUOROMETHANE	100	70-130	ok	100	70-130	ok	0.33	<25	ok
1,2-DICHLOROETHANE-D4	92.5	70-130	1,2-DICHLOROETHANE-D4	101	70-130	ok	86.0	70-130	ok	15.8	<25	ok
TOLUENE-D8	98.1	70-130	TOLUENE-D8	99.8	70-130	ok	100	70-130	ok	0.44	<25	ok
4-BROMOFLUOROBENZENE	97.5	70-130	4-BROMOFLUOROBENZENE	97.4	70-130	ok	98.1	70-130	ok	0.70	<25	ok
1,2-DICHLOROBENZENE-D4	94.6	70-130	1,2-DICHLOROBENZENE-D4	96.0	70-130	ok	97.1	70-130	ok	1.10	<25	ok

Instrument: HP GC/MS "A"

CHAIN-OF-CUSTODY RECORD

W.O. # 0809-00029 (for lab use only)

Sample I.D.	Date/Time Sampled	Matrix (A=Air, S=Soil, GW=Ground W., SW=Surface W., WW=Waste W., DW=Drinking W., P=Product, Other (specify))	ANALYSIS REQUIRED: pH / Cond.	Gc Methane, Ethane, Ethene	EPA 8260	EPA 8260 – 8010 List (Chlor.)	EPA 8260 – 8021 list	EPA 8021 – 8020 List (BTEX)	EPA 524.2 DW VOCs	EPA 624 WW VOCs	EPA 601 / 602 WW VOCs	EPA 8270 FULL SVOCs	EPA 8270 / PAH / JP-8 / BN	EPA 625 WW SVOCs	EPA 8082 – PCBs	EPA 8081 – Pest	TPH – GC (Mod. 8100)	TPH – GC w/FING.	EPH (MA DEP)	VPH (MA DEP)	Metals / PPM-13	MCP 14 Metals (MA)	Metals (List Below)**	TCLP – Specify Below	SPLP – Specify Below	EPA 300 / Cl / SO4	EPA 300 / NO2 / NO3	Total # of Cont.	Note #
MW-6	9-3-08	GW			X								X				X					X		X				7	1 2 3
UIC-1A	↓	↓			↓								↓				↓					↓						↓	↓
UIC-2A																													
UIC-3																													
UIC-4A																													
UIC-5B																													
Trip Blank					X																							3	
PRESERVATIVE (CI - HCl, M=Methanol, N - HNO3, S - H2SO4, Na - NaOH, O - Other)*					CI								–				–					N		N					
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, T-Teflon, O-Other)*					V								G				G					P		P					

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
Matthew Bergin 9-4-08/930 CS

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
CS 9/4/08 1100 Bill Burcon

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)
Bill Burcon 9/4/08 1200 [signature] 9/4/08

NOTES: (Unless otherwise noted, all samples have been refrigerated to 4° C)
*Specify "Other" preservatives and containers types in this space.

(1) For SVOCs test for 2-Bis hexylethyl pthalate only
(2) Field filtered, Test for dissolved Chromium only
(3) Total metals R-8

PROJECT MANAGER: Steve Andrus EXT: 1330

TURNAROUND TIME: Standard Rush___ Days, Approved by _____ LAB USE: TEMP. OF COOLER 3.8 °C Temp Blank Cooler Air 08/2

9/4 LA

9/4/08 1300 LA

GZA FILE NO: 05.0032795.33 TASK NO: _____ P.O. NO. _____

PROJECT Charbert

LOCATION Alton RI

COLLECTOR(S) AH, and M. Bergin SHEET 1 OF 1

GZA GeoEnvironmental, Inc.
Labaratory Division
106 South Street
Hopkinton, MA 01748
(781) 278-4700
FAX (508) 435-9912

R.I. ANALYTICAL
Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs
Attn: Ms. Michelle Mirenda
Engineers and Scientists
106 South Street
Hopkinton, MA 01748

Date Received: 9/10/08
Date Reported: 9/12/08
P.O. #: 8-31817
Work Order #: 0809-16304

DESCRIPTION: GZA FILE# 03.0032795.33 CHARBERT ALTON, RI

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies.
The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844

If you have any questions regarding this work, or if we may be of further assistance, please contact our customer service department.

Approved by:

Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs
Date Received: 9/10/08
Work Order #: 0809-16304

Approved by: _____
Data Reporting

Sample # 001
SAMPLE DESCRIPTION: VIC-2A
SAMPLE TYPE: GRAB **SAMPLE DATE/TIME:** 9/03/2008

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
Semi-Volatile Organic Compounds						
Bis(2-ethylhexyl)phthalate	14	11	ug/l	SW-846 8270D	9/11/08	RGM
Surrogates			RANGE	SW-846 8270D	9/11/08	RGM
Nitrobenzene-d5	35		30-130%	SW-846 8270D	9/11/08	RGM
2-Fluorobiphenyl	39		30-130%	SW-846 8270D	9/11/08	RGM
P-Terphenyl-d14	52		30-130%	SW-846 8270D	9/11/08	RGM

R.I. ANALYTICAL
Specialists in Environmental Services

QA/QC Report

Client: GZA GeoEnvironmental Labs
WO #: 0809-16304
Date: 9/12/08

Description: GZA FILE# 03.0032795.33 CHARBERT ALTON, RI

-Method Blanks Results-

Parameter	Units	Results	Date Analyzed
Method 8270			
Bis(2-ethylhexyl)phthalate	ug/l	<5	9/11/2008
Surrogates	RANGE		9/11/2008
Nitrobenzene-d5	30-130%	91	9/11/2008
2-Fluorobiphenyl	30-130%	85	9/11/2008
P-Terphenyl-d14	30-130%	100	9/11/2008

-Laboratory Control Standard-

Parameter	Units	Spike Conc.	Detected Conc.	% Rec.	Date Analyzed
Method 8270					
Bis(2-ethylhexyl)phthalate	ug/l	50	36	72	9/11/2008
Surrogates	RANGE	50			9/11/2008
Nitrobenzene-d5	30-130%	50	75	150	9/11/2008
2-Fluorobiphenyl	30-130%	50	69	140	9/11/2008
P-Terphenyl-d14	30-130%	50	65	130	9/11/2008

41 Illinois Avenue, Warwick, RI 02888
Phone: 401.737.8500 Fax: 401.738.1970

nelac

131 Coolidge Street, Suite 105, Hudson, MA 01749
Phone: 978.568.0041 Fax: 978.568.0078

CHAIN-OF-CUSTODY RECORD

RIAL

W.O. # 0809-00029
(for lab use only)

Sample I.D.	Date/Time Sampled	Matrix (A=Air, S=Soil, GW=Ground W., SW=Surface W., WW=Waste W., DW=Drinking W., P=Product, Other (specify))	ANALYSIS REQUIRED: ☐ pH ☐ Cond.	GC Methane, Ethane, Ethene	EPA 8260	EPA 8260 – 5810 List (Chlor.)	EPA 8260 – 8021 list	EPA 8021 – 8260 List (BTEX)	EPA 524.2 DW VOCs	EPA 624 WW VOCs	☐ 601 ☐ 602 WW VOCs	EPA 8270 FULL SVOCs	EPA 8270 ☐ PAH ☐ ABN	EPA 625 WW SVOCs	EPA 8082–PCBs	EPA 8081–Pest	TPH–GC (Mod. 8100)	TPH–GC w/FING.	EPH (MA DEP)	VPH (MA DEP)	Metals ☐ PPM-13 ☐ R-8	MCP 14 Metals (MA)	Metals (List Below)**	TCLP – Specify Below	SPLP – Specify Below	EPA 300 ☐ Cl ☐ SO4	EPA 300 ☐ NO2 ☐ NO3						Total # of Cont.	Note #
VIC-2A	9-3-08	GW										X																				1	1
PRESERVATIVE (Cl - HCl, M=Methanol, N - HNO3, S - H2SO4, Na - NaOH, O - Other)*																																	
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, T-Teflon, O-Other)*																																	

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)

9/10/08 1700

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)

9/10/08 1826

RELINQUISHED BY: (AFFILIATION) DATE/TIME RECEIVED BY: (AFFILIATION)

NOTES: (Unless otherwise noted, all samples have been refrigerated to 4° C)
*Specify "Other" preservatives and containers types in this space.

① For SVOCs test for 2-Bis hexyl ethyl phthalate only

extract by 9/10/08 midnight 12PM N.P. 9/10 per JM

PROJECT MANAGER: _____ EXT: _____

TURNAROUND TIME: Standard Rush 4 Days, Approved by AF

LAB USE: TEMP. OF COOLER 1 °C Temp Blank ✓ Cooler Air ____

GZA GeoEnvironmental, Inc.
Labaratory Division

106 South Street
Hopkinton, MA 01748
(781) 278-4700
FAX (508) 435-9912

0809-163.04

GZA FILE NO: 03.0032795.33 TASK NO: _____ P.O. NO. 8-31817

PROJECT Charbent

LOCATION Alton, RI

COLLECTOR(S) _____ SHEET 1 OF 1

ATTACHMENT E

THIRD QUARTER PERIMETER
WELL MONITORING RESULTS

GZA
GeoEnvironmental, Inc.

Engineers and Scientists

November 6, 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: Third Quarterly (July-September 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 third 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, 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 previous 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 sample these wells for a total of eight quarters. Following which the need for any future monitoring will be assessed.

Groundwater Sampling

GZA personnel were on site on October 3, 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.

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Results

The October 3, 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 five VOCs detected with cis-1,2-dichloroethene present at 39 µg/L, (above the PAL of 35 µg/L), and trichloroethene present at 8 µg/L, (above the GA standard of 5 µg/L). The three other detects were 1,2,4-trimethylbenzene at 4.2 µg/L, tetrachloroethene at 1.6 µg/L, and 1,1-dichloroethane at 1.5 µg/L. The sample from monitoring well GP-22 has one VOC detected, tetrachloroethene reportedly present at 12 µg/L, (above the GA groundwater objective of 5 µg/L). For reference all previous analytical testing results for the five wells tested on October 3, 2008 have been included in Table 1.

As the organic compound tetrachloroethene had never been detected in monitoring well GP-22 prior to this, GZA consulted the laboratory. The laboratory could not find evidence that the samples had been contaminated during the analytical process and the trip blank did not contain tetrachloroethene. As such, GZA recommended that the well be re-sampled to further evaluate this compounds presence. On Tuesday, October 21, GZA re-sampled well GP-22 and collected a blind duplicate of the well labeled GP-100. No VOCs were detected above the method detection limit in either of the samples collected on October 21. This suggests that the detection of tetrachloroethene was likely related to an analytical artifact or a laboratory induced contamination that could not be readily identified by the labs routine quality control procedures.

At this time, we do not see any significant change in the pattern of migration of contaminants from the previously delineated areas of concern, and no changes in groundwater elevations that would suggest that a deleterious change in contaminant distribution is occurring. The perimeter wells will be sampled and analyzed on a quarterly basis for the next five 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

October 2008 Perimeter Wells
Charbert 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		10/3/2008	
				Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS													
1,2,4-Trimethylbenzene	ug/L (ppb)	NS	NS	<	1.0	<	1.0	<	1.0	4.2	1	4.2	1
1,1-Dichloroethane	ug/L (ppb)	---	---	2.2	1.0	2.0	1.0	1.0	1.0	<	1.0	1.5	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	39	1.0
Tetrachloroethene	ug/L (ppb)	5	2.5	2.2	1.0	2.0	1.0	<	1.0	1.2	1.0	1.6	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	**8.0**	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		10/3/2008	
				Result	Limit	Result	Limit	Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS	ug/L (ppb)			ND		ND		ND		ND		ND	

RIZ-14	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE					
				4/25/2008		7/7/2008		10/3/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS									
Tetrachloroethene	ug/L (ppb)	5	2.5	<	1.0	4.4	1.0	<	1

TABLE 1
DETECTED CONSTITUENTS SUMMARY

October 2008 Perimeter Wells
Charbert Facility
Richmond, Rhode Island

RIZ-21	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE					
				4/25/2008		7/7/2008		10/3/2008	
				Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS	ug/L (ppb)			ND		ND		ND	

GP-22	UNITS	RIDEM GA Groundwater Objectives	RIDEM Groundwater Quality PALs	DATE							
				2/15/2005		4/25/2008		7/7/2008		10/3/2008	
				Result	Limit	Result	Limit	Result	Limit	Result	Limit
VOLATILE ORGANICS				ND		ND		ND			
Tetrachloroethene	ug/L (ppb)	5	2.5							**12**	1

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 blueare above RIDEM Preventative Action Limit.

TABLE 2
LOW FLOW SCREENING RESULTS

October 2008 Perimeter Wells
Charbert Facility
Richmond, RI

OCTOBER 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	5.4	0.199	1	3.0	19.2	248	6.5	43.8
RIZ-14	5.8	0.051	0	4.5	14.5	234	15.6	47.0
RIZ-21	5.2	0.193	1	5.8	14.7	263	10.8	42.0
GZ-1	7.4	0.439	9	0.3	14.1	-79	14.1	42.4
GP-22	6.3	0.138	11	6.9	18.8	193	5.7	42.8

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

FIGURES

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.

INDUSTRIAL WASTE PUMP HOUSE
OIL BUNKER
DRUM STORAGE AREA
WETLANDS BOUNDARY
RIVER EDGE
FORMER (LAGOON 5)
EXTERIOR SVE/AS AREA
INTERIOR SVE/AS AREA
CHARBERT MILL BUILDING
RIVER STREET
CHARBERT EMPLOYEE PARKING LOT
PRIVATE WELL-16 RIVER STREET
PRIVATE WELL-14 RIVER STREET
PRIVATE WELL-18 RIVER STREET
CATION SYSTEM
IC-MW6
#18
#16
#14
#12
#10

RIZ-7
GZ-23
GZ-21
GZ-22
RIZ-6
GZ-ML-3
RIZ-13
GZ-3
GZ-7
GP-26
GP-25
RIZ-3
GZ-6
CB-9
EW-4
PT-4
PT-5
EW-3
PT-1
EW-2
EW-1
PT-2
RIZ-21
GP-22
GP-27B
GP-27A
GZ-8
RIZ-1
GZ-1
GZ-ML-2
GZ-4A
GP-18
RIZ-14
GP-19
GZ-2
GP-15

REV. NO.	DESCRIPTION	BY	DATE

PROJ MGR:
DESIGNED BY: SMA
REVIEWED BY: EAS
OPERATOR: DL
DATE: MAY, 2008

1 INCH = 80 FEET
0 40 80 160

GZA
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

©2008 - GZA GeoEnvironmental, Inc. GZA-J:\ENV\32795-29.sma\JUL-SEP\ICMP and Per Wells-sept-08.dwg [QRTRLY PER WELLS] October 23, 2008 - 3:40pm stephen.andrus

ATTACHMENT A

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.: **0810-00041**
Date Received: **10/07/2008**
Date Reported: **10/10/2008**

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
10/03/2008	Aqueous	0810-00041 001	RIZ - 1
10/03/2008	Aqueous	0810-00041 002	GP - 22
10/03/2008	Aqueous	0810-00041 003	RIZ - 21
10/03/2008	Aqueous	0810-00041 004	GZ - 1
10/03/2008	Aqueous	0810-00041 005	RIZ - 14
10/03/2008	Aqueous	0810-00041 006	Trip Blank

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

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 10/06/08 via _x_GZA courier, __EC, __FEDEX, or ___hand delivered. The temperature of the __temperature blank/_x_cooler air, was 2.7 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

Attach QC 8260 10/08/08 S - Aqueous

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Project No.: **03.0032795.29**

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

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 8270: The current version of the method is 8270D.
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.

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ANALYTICAL REPORT

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **RIZ - 1**
Sample No.: **001**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

GZA GeoEnvironmental, Inc.
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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **RIZ - 1**
Sample No.: **001**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	87.1	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	100	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	97.2	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **GP - 22**
Sample No.: **002**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	12	ug/L	MQS	10/08/2008

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

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **GP - 22** Sample No.: **002**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	86.9	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	100	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	96.9	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **RIZ - 21**
Sample No.: **003**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
Providence, RI 02903

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **RIZ - 21**
Sample No.: **003**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.6	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	98.9	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	96.3	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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ANALYTICAL REPORT

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **GZ - 1** Sample No.: **004**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	1.5	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	39	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	8.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	1.6	ug/L	MQS	10/08/2008

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **Trip Blank**
Sample No.: **006**
Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	10/08/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromomethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Diethylether	EPA 8260	<5.0	ug/L	MQS	10/08/2008
Acetone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dichloromethane	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Butanone	EPA 8260	<25	ug/L	MQS	10/08/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Chloroform	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	MQS	10/08/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Benzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Trichloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Dibromomethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	MQS	10/08/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Toluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Hexanone	EPA 8260	<25	ug/L	MQS	10/08/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	MQS	10/08/2008

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

Date Received: **10/07/2008**
Date Reported: **10/10/2008**
Work Order No.: **0810-00041**

Sample ID: **Trip Blank** Sample No.: **006**

Sample Date: **10/03/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
o-Xylene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Styrene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromoform	EPA 8260	<2.0	ug/L	MQS	10/08/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Bromobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	MQS	10/08/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Naphthalene	EPA 8260	<2.0	ug/L	MQS	10/08/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	MQS	10/08/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	84.4	% R	MQS	10/08/2008
***Toluene-D8	EPA 8260	99.4	% R	MQS	10/08/2008
***4-Bromofluorobenzene	EPA 8260	95.1	% R	MQS	10/08/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/08/2008

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

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:	10/8/2008		Date Analyzed:	10/8/2008			10/8/2008					
Volatile 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	80.0	70-130	ok	80.4	70-130	ok	0.56	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	79.1	70-130	ok	78.8	70-130	ok	0.37	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	80.9	70-130	ok	80.5	70-130	ok	0.53	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	84.7	70-130	ok	85.5	70-130	ok	0.92	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	79.5	70-130	ok	81.0	70-130	ok	1.98	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	89.5	70-130	ok	90.1	70-130	ok	0.63	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	84.8	70-130	ok	87.9	70-130	ok	3.59	<25	ok
acetone	< 13	< 13	acetone	93.1	70-130	ok	95.4	70-130	ok	2.44	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	89.5	70-130	ok	90.7	70-130	ok	1.33	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	98.1	70-130	ok	99.0	70-130	ok	0.93	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	89.7	70-130	ok	90.1	70-130	ok	0.51	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	111	70-130	ok	111	70-130	ok	0.32	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	83.5	70-130	ok	82.4	70-130	ok	1.22	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	112	70-130	ok	116	70-130	ok	3.69	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	89.5	70-130	ok	86.2	70-130	ok	3.85	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	90.0	70-130	ok	92.8	70-130	ok	3.05	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	95.1	70-130	ok	96.4	70-130	ok	1.33	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	96.0	70-130	ok	95.7	70-130	ok	0.23	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	89.4	70-130	ok	91.6	70-130	ok	2.39	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	90.3	70-130	ok	94.3	70-130	ok	4.27	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	88.2	70-130	ok	91.6	70-130	ok	3.69	<25	ok
2-butanone	< 13	< 13	2-butanone	95.1	70-130	ok	96.1	70-130	ok	1.05	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	96.9	70-130	ok	93.2	70-130	ok	3.84	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	92.4	70-130	ok	92.3	70-130	ok	0.15	<25	ok
chloroform	< 0.5	< 0.5	chloroform	87.0	70-130	ok	87.9	70-130	ok	0.97	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	98.8	70-130	ok	98.2	70-130	ok	0.70	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	107	70-130	ok	105	70-130	ok	1.48	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	93.4	70-130	ok	94.8	70-130	ok	1.50	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	93.9	70-130	ok	94.7	70-130	ok	0.87	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	95.6	70-130	ok	96.6	70-130	ok	0.98	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	92.4	70-130	ok	91.3	70-130	ok	1.10	<25	ok
benzene	< 0.5	< 0.5	benzene	94.0	70-130	ok	93.8	70-130	ok	0.18	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	91.9	70-130	ok	94.1	70-130	ok	2.29	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	93.3	70-130	ok	93.0	70-130	ok	0.38	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	92.6	70-130	ok	92.5	70-130	ok	0.11	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	93.7	70-130	ok	93.9	70-130	ok	0.23	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	104	70-130	ok	107	70-130	ok	3.12	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	98.9	70-130	ok	98.1	70-130	ok	1.19	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	91.8	70-130	ok	94.1	70-130	ok	2.44	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	96.1	70-130	ok	96.7	70-130	ok	0.65	<25	ok
toluene	< 0.5	< 0.5	toluene	95.5	70-130	ok	96.3	70-130	ok	0.85	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	89.3	70-130	ok	90.5	70-130	ok	1.28	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	90.5	70-130	ok	95.7	70-130	ok	5.67	<25	ok
2-hexanone	< 13	< 13	2-hexanone	95.4	70-130	ok	98.2	70-130	ok	2.89	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	98.1	70-130	ok	97.8	70-130	ok	0.29	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	104	70-130	ok	105	70-130	ok	0.58	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	102	70-130	ok	101	70-130	ok	0.18	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	99.9	70-130	ok	101	70-130	ok	0.92	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	102	70-130	ok	102	70-130	ok	0.31	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	99.8	70-130	ok	99.9	70-130	ok	0.10	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	101	70-130	ok	99.2	70-130	ok	1.51	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	91.0	70-130	ok	92.7	70-130	ok	1.94	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	97.7	70-130	ok	97.8	70-130	ok	0.13	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	91.9	70-130	ok	95.4	70-130	ok	3.77	<25	ok
styrene	< 0.5	< 0.5	styrene	96.1	70-130	ok	99.5	70-130	ok	3.51	<25	ok
bromoform	< 1.0	< 1.0	bromoform	95.6	70-130	ok	99.8	70-130	ok	4.29	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	111	70-130	ok	115	70-130	ok	3.54	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	90.6	70-130	ok	89.4	70-130	ok	1.39	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	94.1	70-130	ok	98.3	70-130	ok	4.34	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	98.2	70-130	ok	102	70-130	ok	5.63	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	93.8	70-130	ok	95.9	70-130	ok	2.21	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	93.9	70-130	ok	99.7	70-130	ok	5.96	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	89.6	70-130	ok	93.8	70-130	ok	4.51	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	93.8	70-130	ok	98.7	70-130	ok	5.10	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	114	70-130	ok	120	70-130	ok	5.01	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	91.6	70-130	ok	95.3	70-130	ok	3.95	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	94.4	70-130	ok	95.8	70-130	ok	1.53	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	94.1	70-130	ok	98.4	70-130	ok	4.56	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	91.5	70-130	ok	98.1	70-130	ok	6.97	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	94.2	70-130	ok	97.7	70-130	ok	3.65	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	89.9	70-130	ok	95.4	70-130	ok	5.99	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	91.8	70-130	ok	97.6	70-130	ok	6.11	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	88.0	70-130	ok	92.0	70-130	ok	4.40	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	93.5	70-130	ok	100	70-130	ok	6.91	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	95.6	70-130	ok	101	70-130	ok	5.70	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	89.2	70-130	ok	96.7	70-130	ok	8.07	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	91.2	70-130	ok	99.2	70-130	ok	8.39	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	97.8	70-130	DIBROMOFLUOROMETHANE	102	70-130	ok	98.5	70-130	ok	3.58	<25	ok
1,2-DICHLOROETHANE-D4	88.7	70-130	1,2-DICHLOROETHANE-D4	92.3	70-130	ok	94.9	70-130	ok	2.81	<25	ok
TOLUENE-D8	98.4	70-130	TOLUENE-D8	99.1	70-130	ok	99.7	70-130	ok	0.58	<25	ok
4-BROMOFLUOROBENZENE	95.1	70-130	4-BROMOFLUOROBENZENE	97.5	70-130	ok	100	70-130	ok	2.62	<25	ok
1,2-DICHLOROBENZENE-D4	95.2	70-130	1,2-DICHLOROBENZENE-D4	90.8	70-130	ok	93.9	70-130	ok	3.37	<25	ok

Instrument: HP GC/MS "S"

CHAIN-OF-CUSTODY RECORD

W.O. # 0810-00041 (for lab use only)

Sample I.D.	Date/Time Sampled	Matrix (A=Air, S=Soil, GW=Ground W., SW=Surface W., WW=Waste W., DW=Drinking W., P=Product, Other (specify))	ANALYSIS REQUIRED: ☐ pH ☐ Cond.	GC Methane, Ethane, Ethene	EPA 8260	EPA 8260 – 8010 List (Chlor.)	EPA 8260 – 8021 list	EPA 8021 – 8020 List (BTEX)	EPA 524.2 DW VOCs	EPA 624 WW VOCs	☐ 601 ☐ 602 WW VOCs	EPA 8270 FULL SVOCs	EPA 8270 ☐ PAH ☐ A ☐ BN	EPA 625 WW SVOCs	EPA 8082–PCBs	EPA 8081–Pest	TPH–GC (Mod. 8100)	TPH–GC w/FING.	EPH (MA DEP)	VPH (MA DEP)	Metals ☐ PPM–13 ☐ 8–8	MCP 14 Metals (MA)	Metals (List Below)**	TCLP – Specify Below	SPLP – Specify Below	EPA 300 ☐ Cl ☐ SO4	EPA 300 ☐ NO2 ☐ NO3	Total # of Cont.	Note #
RIZ-1	10/3-06/1045	GW			Y																							3	
GP-22		1120																											
RIB-21		1340																											
GZ-1		1435																											
RIZ-14		1525																											
Trip blank																													
PRESERVATIVE (Cl - HCl, M=Methanol, N - HNO3, S - H2SO4, Na - NaOH, O - Other)*					H																								
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, T-Teflon, O-Other)*					V																								

RELINQUISHED BY: (AFFILIATION) M. Bergen DATE/TIME 10/3/08 1700 RECEIVED BY: (AFFILIATION) CS

RELINQUISHED BY: (AFFILIATION) CS DATE/TIME 10/6/08 1020 RECEIVED BY: (AFFILIATION) Brian Buerson

RELINQUISHED BY: (AFFILIATION) Brian Buerson DATE/TIME 12/6/08 1230 RECEIVED BY: (AFFILIATION) WA/GZA

WA/GZA

PROJECT MANAGER: Steve Andrus EXT: 10/7/08 1100

NOTES: (Unless otherwise noted, all samples have been refrigerated to 4° C)
*Specify "Other" preservatives and containers types in this space.

TURNAROUND TIME: Standard Rush ___ Days, Approved by ___

LAB USE: TEMP. OF COOLER 2.7 °C Temp Blank Cooler Air 0813

10/7 10-

GZA FILE NO: 03.0032795.12 TASK NO: ___ P.O. NO. ___

Per PM request DUE 10/8/08

10/6/08 1330 (10)

PROJECT Charbert

LOCATION Alton RI

COLLECTOR(S) M. Bergen SHEET 1 OF 1

GZA GeoEnvironmental, Inc.
Labaratory Division

106 South Street
Hopkinton, MA 01748
(781) 278-4700
FAX (508) 435-9912

GZA GeoEnvironmental, Inc.
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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

Stephen Andrus

Project No.: **03.0032795.29**
Work Order No.: **0810-00160**
Date Received: **10/23/2008**
Date Reported: **10/31/2008**

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
10/20/2008	Aqueous	0810-00160 001	TB
10/21/2008	Aqueous	0810-00160 002	GP - 22
10/21/2008	Aqueous	0810-00160 003	GP - 100

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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: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 10/22/08 via _x_GZA courier, __EC, __FEDEX, or ___hand delivered. The temperature of the __temperature blank/_x_cooler air, was 3.2 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

Attach QC 8260 10/31/08 #2 S - Aqueous

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ANALYTICAL REPORT

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Stephen Andrus

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

Date Received: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

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 8270: The current version of the method is 8270D.
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.

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
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Stephen Andrus

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

Date Received: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **TB** Sample No.: **001**

Sample Date: **10/20/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			RJD	10/31/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromomethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Diethylether	EPA 8260	<5.0	ug/L	RJD	10/31/2008
Acetone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dichloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Butanone	EPA 8260	<25	ug/L	RJD	10/31/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Chloroform	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	RJD	10/31/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Benzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dibromomethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	RJD	10/31/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Toluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Hexanone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008

GZA GeoEnvironmental, Inc.
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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: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **TB** Sample No.: **001**

Sample Date: **10/20/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
o-Xylene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Styrene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromoform	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	RJD	10/31/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Naphthalene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.5	% R	RJD	10/31/2008
***Toluene-D8	EPA 8260	96.4	% R	RJD	10/31/2008
***4-Bromofluorobenzene	EPA 8260	92.8	% R	RJD	10/31/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/30/2008

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ANALYTICAL REPORT

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Stephen Andrus

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

Date Received: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **GP - 22** Sample No.: **002**

Sample Date: **10/21/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			RJD	10/31/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromomethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Diethylether	EPA 8260	<5.0	ug/L	RJD	10/31/2008
Acetone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dichloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Butanone	EPA 8260	<25	ug/L	RJD	10/31/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Chloroform	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	RJD	10/31/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Benzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dibromomethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	RJD	10/31/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Toluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Hexanone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008

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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: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **GP - 22** Sample No.: **002**

Sample Date: **10/21/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
o-Xylene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Styrene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromoform	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	RJD	10/31/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Naphthalene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.3	% R	RJD	10/31/2008
***Toluene-D8	EPA 8260	94.1	% R	RJD	10/31/2008
***4-Bromofluorobenzene	EPA 8260	93.4	% R	RJD	10/31/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/30/2008

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 ICMP**
Project No.: **03.0032795.29**

Date Received: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **GP - 100**
Sample No.: **003**
Sample Date: **10/21/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			RJD	10/31/2008
Dichlorodifluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Vinyl Chloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromomethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichlorofluoromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Diethylether	EPA 8260	<5.0	ug/L	RJD	10/31/2008
Acetone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,1-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dichloromethane	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Methyl-Tert-Butyl-Ether	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Butanone	EPA 8260	<25	ug/L	RJD	10/31/2008
2,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
cis-1,2-Dichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Chloroform	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrahydrofuran	EPA 8260	<10	ug/L	RJD	10/31/2008
1,1,1-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Carbon Tetrachloride	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Benzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Trichloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromodichloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Dibromomethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Methyl-2-Pentanone	EPA 8260	<25	ug/L	RJD	10/31/2008
cis-1,3-Dichloropropene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Toluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
trans-1,3-Dichloropropene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,1,2-Trichloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Hexanone	EPA 8260	<25	ug/L	RJD	10/31/2008
1,3-Dichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Tetrachloroethene	EPA 8260	<1.0	ug/L	RJD	10/31/2008

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ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
140 Broadway
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Stephen Andrus

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

Date Received: **10/23/2008**
Date Reported: **10/31/2008**
Work Order No.: **0810-00160**

Sample ID: **GP - 100** Sample No.: **003**

Sample Date: **10/21/2008**

Test Performed	Method	Results	Units	Tech	Analysis Date
Dibromochloromethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromoethane (EDB)	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Chlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,1,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Ethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
m&p-Xylene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
o-Xylene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Styrene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromoform	EPA 8260	<2.0	ug/L	RJD	10/31/2008
Isopropylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,1,2,2-Tetrachloroethane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,3-Trichloropropane	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Bromobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
N-Propylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
2-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3,5-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
4-Chlorotoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
tert-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2,4-Trimethylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
sec-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
p-Isopropyltoluene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,3-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,4-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
n-Butylbenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
1,2-Dibromo-3-Chloropropane	EPA 8260	<5.0	ug/L	RJD	10/31/2008
1,2,4-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Hexachlorobutadiene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Naphthalene	EPA 8260	<2.0	ug/L	RJD	10/31/2008
1,2,3-Trichlorobenzene	EPA 8260	<1.0	ug/L	RJD	10/31/2008
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	85.2	% R	RJD	10/31/2008
***Toluene-D8	EPA 8260	93.7	% R	RJD	10/31/2008
***4-Bromofluorobenzene	EPA 8260	93.0	% R	RJD	10/31/2008
Preparation	EPA 5030B	1.0	CF	MQS	10/30/2008

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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:	10/31/08		Date Analyzed:	10/31/08			10/31/08					
Volatile 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	117	70-130	ok	117	70-130	ok	0.16	<25	ok
chloromethane	< 1.0	< 1.0	chloromethane	111	70-130	ok	111	70-130	ok	0.17	<25	ok
vinyl chloride	< 0.5	< 0.5	vinyl chloride	99.7	70-120	ok	99.8	70-130	ok	0.04	<25	ok
bromomethane	< 1.0	< 1.0	bromomethane	97.5	70-130	ok	97.1	70-130	ok	0.48	<25	ok
chloroethane	< 0.5	< 0.5	chloroethane	95.8	70-130	ok	95.6	70-130	ok	0.19	<25	ok
trichlorofluoromethane	< 1.0	< 1.0	trichlorofluoromethane	99.7	70-130	ok	101	70-130	ok	0.96	<25	ok
diethyl ether	< 2.5	< 2.5	diethyl ether	88.3	70-130	ok	88.7	70-130	ok	0.45	<25	ok
acetone	< 13	< 13	acetone	95.0	70-130	ok	100	70-130	ok	5.83	<25	ok
1,1-dichloroethene	< 0.5	< 0.5	1,1-dichloroethene	94.9	70-130	ok	94.8	70-130	ok	0.17	<25	ok
FREON-113	< 1.0	< 1.0	FREON-113	99.1	70-130	ok	98.2	70-130	ok	0.95	<25	ok
iodomethane	< 0.5	< 0.5	iodomethane	89.9	70-130	ok	88.3	70-130	ok	1.77	<25	ok
carbon disulfide	< 5.0	< 5.0	carbon disulfide	123	70-130	ok	98.2	70-130	ok	22.5	<25	ok
dichloromethane	< 1.0	< 1.0	dichloromethane	85.7	70-130	ok	84.1	70-130	ok	1.83	<25	ok
tert-butyl alcohol (TBA)	< 13	< 13	tert-butyl alcohol (TBA)	108	70-130	ok	105	70-130	ok	3.02	<25	ok
acrylonitrile	< 0.5	< 0.5	acrylonitrile	79.5	70-130	ok	84.8	70-130	ok	6.51	<25	ok
methyl-tert-butyl-ether	< 0.5	< 0.5	methyl-tert-butyl-ether	86.5	70-130	ok	92.0	70-130	ok	6.23	<25	ok
trans-1,2-dichloroethene	< 0.5	< 0.5	trans-1,2-dichloroethene	96.3	70-130	ok	97.7	70-130	ok	0.62	<25	ok
1,1-dichloroethane	< 0.5	< 0.5	1,1-dichloroethane	104	70-130	ok	103	70-130	ok	0.83	<25	ok
di-isopropyl ether (DIPE)	< 1.0	< 1.0	di-isopropyl ether (DIPE)	93.6	70-130	ok	94.4	70-130	ok	0.77	<25	ok
ethyl tert-butyl ether (EtBE)	< 1.0	< 1.0	ethyl tert-butyl ether (EtBE)	89.5	70-130	ok	95.2	70-130	ok	6.25	<25	ok
vinyl acetate	< 13	< 13	vinyl acetate	88.6	70-130	ok	90.4	70-130	ok	2.07	<25	ok
2-butanone	< 13	< 13	2-butanone	92.7	70-130	ok	92.2	70-130	ok	0.58	<25	ok
2,2-dichloropropane	< 0.5	< 0.5	2,2-dichloropropane	83.0	70-130	ok	83.6	70-130	ok	0.70	<25	ok
cis-1,2-dichloroethene	< 0.5	< 0.5	cis-1,2-dichloroethene	93.5	70-130	ok	92.7	70-130	ok	0.96	<25	ok
chloroform	< 0.5	< 0.5	chloroform	90.5	70-130	ok	89.6	70-130	ok	0.93	<25	ok
bromochloromethane	< 0.5	< 0.5	bromochloromethane	91.4	70-130	ok	92.3	70-130	ok	1.03	<25	ok
tetrahydrafuran	< 5.0	< 5.0	tetrahydrafuran	90.0	70-130	ok	90.7	70-130	ok	0.75	<25	ok
1,1,1-trichloroethane	< 0.5	< 0.5	1,1,1-trichloroethane	96.0	70-130	ok	90.1	70-130	ok	6.37	<25	ok
1,1-dichloropropene	< 0.5	< 0.5	1,1-dichloropropene	96.3	70-130	ok	96.3	70-130	ok	0.09	<25	ok
carbon tetrachloride	< 0.5	< 0.5	carbon tetrachloride	95.9	70-130	ok	95.6	70-130	ok	0.23	<25	ok
1,2-dichloroethane	< 0.5	< 0.5	1,2-dichloroethane	90.9	70-130	ok	92.0	70-130	ok	1.19	<25	ok
benzene	< 0.5	< 0.5	benzene	96.6	70-130	ok	97.4	70-130	ok	1.21	<25	ok
tert-amyl methyl ether (TAME)	< 1.0	< 1.0	tert-amyl methyl ether (TAME)	93.3	70-130	ok	93.9	70-130	ok	0.65	<25	ok
trichloroethene	< 0.5	< 0.5	trichloroethene	88.4	70-130	ok	87.5	70-130	ok	1.01	<25	ok
1,2-dichloropropane	< 0.5	< 0.5	1,2-dichloropropane	94.8	70-130	ok	94.5	70-130	ok	0.34	<25	ok
bromodichloromethane	< 0.5	< 0.5	bromodichloromethane	93.5	70-130	ok	93.1	70-130	ok	0.38	<25	ok
1,4-Dioxane	< 50	< 50	1,4-Dioxane	87.5	70-130	ok	90.2	70-130	ok	2.96	<25	ok
dibromomethane	< 0.5	< 0.5	dibromomethane	86.7	70-130	ok	88.6	70-130	ok	2.19	<25	ok
4-methyl-2-pentanone	< 13	< 13	4-methyl-2-pentanone	91.0	70-130	ok	92.5	70-130	ok	1.56	<25	ok
cis-1,3-dichloropropene	< 0.5	< 0.5	cis-1,3-dichloropropene	93.3	70-130	ok	94.0	70-130	ok	0.74	<25	ok
toluene	< 0.5	< 0.5	toluene	97.0	70-130	ok	96.5	70-130	ok	0.50	<25	ok
trans-1,3-dichloropropene	< 1.0	< 1.0	trans-1,3-dichloropropene	86.1	70-130	ok	86.3	70-130	ok	0.21	<25	ok
1,1,2-trichloroethane	< 0.5	< 0.5	1,1,2-trichloroethane	87.9	70-130	ok	86.6	70-130	ok	1.46	<25	ok
2-hexanone	< 13	< 13	2-hexanone	98.3	70-130	ok	96.7	70-130	ok	1.64	<25	ok
1,3-dichloropropane	< 0.5	< 0.5	1,3-dichloropropane	96.0	70-130	ok	94.0	70-130	ok	2.15	<25	ok
tetrachloroethene	< 0.5	< 0.5	tetrachloroethene	106	70-130	ok	102	70-130	ok	3.99	<25	ok
dibromochloromethane	< 0.5	< 0.5	dibromochloromethane	98.2	70-130	ok	96.0	70-130	ok	2.28	<25	ok
1,2-dibromoethane (EDB)	< 1.0	< 1.0	1,2-dibromoethane (EDB)	92.4	70-130	ok	90.8	70-130	ok	1.69	<25	ok
chlorobenzene	< 0.5	< 0.5	chlorobenzene	99.9	70-130	ok	96.7	70-130	ok	3.22	<25	ok
1,1,1,2-tetrachloroethane	< 0.5	< 0.5	1,1,1,2-tetrachloroethane	96.4	70-130	ok	93.8	70-130	ok	2.87	<25	ok
ethylbenzene	< 0.5	< 0.5	ethylbenzene	103	70-130	ok	98.0	70-130	ok	5.10	<25	ok
1,1,2,2-tetrachloroethane	< 0.5	< 0.5	1,1,2,2-tetrachloroethane	87.8	70-130	ok	88.5	70-130	ok	0.75	<25	ok
m&p-xylene	< 1.0	< 1.0	m&p-xylene	102	70-130	ok	98.7	70-130	ok	2.92	<25	ok
o-xylene	< 0.5	< 0.5	o-xylene	101	70-130	ok	99.3	70-130	ok	1.45	<25	ok
styrene	< 0.5	< 0.5	styrene	96.8	70-130	ok	97.8	70-130	ok	1.03	<25	ok
bromoform	< 1.0	< 1.0	bromoform	94.5	70-130	ok	96.4	70-130	ok	2.06	<25	ok
isopropylbenzene	< 0.5	< 0.5	isopropylbenzene	116	70-130	ok	115	70-130	ok	0.87	<25	ok
1,2,3-trichloropropane	< 0.5	< 0.5	1,2,3-trichloropropane	86.8	70-130	ok	87.7	70-130	ok	1.00	<25	ok
bromobenzene	< 0.5	< 0.5	bromobenzene	92.8	70-130	ok	93.8	70-130	ok	1.03	<25	ok
n-propylbenzene	< 0.5	< 0.5	n-propylbenzene	106	70-130	ok	103	70-130	ok	2.74	<25	ok
2-chlorotoluene	< 0.5	< 0.5	2-chlorotoluene	97.4	70-130	ok	102	70-130	ok	4.55	<25	ok
1,3,5-trimethylbenzene	< 0.5	< 0.5	1,3,5-trimethylbenzene	96.5	70-130	ok	97.5	70-130	ok	1.08	<25	ok
trans-1,4-dichloro-2-butene	< 1.0	< 1.0	trans-1,4-dichloro-2-butene	86.8	70-130	ok	91.7	70-130	ok	5.52	<25	ok
4-chlorotoluene	< 0.5	< 0.5	4-chlorotoluene	93.9	70-130	ok	101	70-130	ok	6.98	<25	ok
tert-butyl-benzene	< 0.5	< 0.5	tert-butyl-benzene	112	70-130	ok	116	70-130	ok	3.94	<25	ok
1,2,4-trimethylbenzene	< 0.5	< 0.5	1,2,4-trimethylbenzene	94.6	70-130	ok	94.4	70-130	ok	0.14	<25	ok
sec-butyl-benzene	< 0.5	< 0.5	sec-butyl-benzene	95.0	70-130	ok	95.8	70-130	ok	0.87	<25	ok
p-isopropyltoluene	< 0.5	< 0.5	p-isopropyltoluene	96.0	70-130	ok	95.9	70-130	ok	0.13	<25	ok
1,3-dichlorobenzene	< 0.5	< 0.5	1,3-dichlorobenzene	95.2	70-130	ok	95.0	70-130	ok	0.17	<25	ok
1,4-dichlorobenzene	< 0.5	< 0.5	1,4-dichlorobenzene	94.6	70-130	ok	95.2	70-130	ok	0.58	<25	ok
n-butylbenzene	< 0.5	< 0.5	n-butylbenzene	98.1	70-130	ok	98.0	70-130	ok	0.05	<25	ok
1,2-dichlorobenzene	< 0.5	< 0.5	1,2-dichlorobenzene	93.8	70-130	ok	95.4	70-130	ok	1.62	<25	ok
1,2-dibromo-3-chloropropane	< 2.5	< 2.5	1,2-dibromo-3-chloropropane	92.6	70-130	ok	92.9	70-130	ok	0.32	<25	ok
1,2,4-trichlorobenzene	< 0.5	< 0.5	1,2,4-trichlorobenzene	93.4	70-130	ok	94.8	70-130	ok	1.50	<25	ok
hexachlorobutadiene	< 0.5	< 0.5	hexachlorobutadiene	101	70-130	ok	102	70-130	ok	0.82	<25	ok
naphthalene	< 1.0	< 1.0	naphthalene	92.0	70-130	ok	96.5	70-130	ok	4.80	<25	ok
1,2,3-trichlorobenzene	< 0.5	< 0.5	1,2,3-trichlorobenzene	88.7	70-130	ok	93.1	70-130	ok	4.84	<25	ok

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict	Recovery (%)	Acceptance Limits	Verdict	RPD	Limit	Verdict
DIBROMOFLUOROMETHANE	92.0	70-130	DIBROMOFLUOROMETHANE	91.8	70-130	ok	91.7	70-130	ok	0.12	<25	ok
1,2-DICHLOROETHANE-D4	80.3	70-130	1,2-DICHLOROETHANE-D4	87.7	70-130	ok	86.4	70-130	ok	1.50	<25	ok
TOLUENE-D8	95.5	70-130	TOLUENE-D8	94.4	70-130	ok	96.1	70-130	ok	1.78	<25	ok
4-BROMOFLUOROBENZENE	92.5	70-130	4-BROMOFLUOROBENZENE	95.5	70-130	ok	97.2	70-130	ok	1.80	<25	ok
1,2-DICHLOROBENZENE-D4	93.5	70-130	1,2-DICHLOROBENZENE-D4	90.1	70-130	ok	92.0	70-130	ok	2.02	<25	ok

Instrument: HP GC/MS "S"

WHITE COPY - Original YELLOW COPY - Lab Files PINK COPY - Project Manager

W.O. # 080-00160 (for lab use only)

CHAIN-OF-CUSTODY RECORD

Sample I.D.	Date/Time Sampled (Very Important)	Matrix (A=Air, S=Soil, GW=Ground W., SW=Surface W., WW=Waste W., DW=Drinking W., Other (specify))	WW ONLY: DpH, DCond., GC Screen (VOA), D524.2, D502.2, 624, D601, D602, 625, Formaldehyde	ANALYSIS REQUIRED: 8250, 8021, 8021 - "8010" List, 8021 "8020" List, 8270 Full, DPAH, DBN, 8082-PCBs Only, 8081 - Pest Only, TPH-GC (Mod. 8100), TPH-GC w/FING, EPH (MA DEP), VPH (MA DEP), TCLP (Spec. Below), Filtering (✓ if requested), Metals DPPM-13, D R-8, Metals (List Below)	Total # of Cont.	Note #
TB	10/20/08 17:00	GW		X	3	(1)
GP-22	10/21/08 9:15	GW		X	3	(1)
GP-100	10/21/08 9:15	GW		X	3	(1)

PRESERVATIVE (Cl - HCl, M=MeOH, N - HNO3, S - H2SO4, Na - NaOH, O - Other)*

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)*

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	10/22/08 0900	Bill Buscon
Bill Buscon	10/22/08 1110	WAtkin
WAtkin		[signature] 10/23/08 1340

NOTES: Preservatives, special reporting limits, known contamination, additional testing parameters, etc.:

(1) 5 working day turnaround please.

PROJECT MANAGER: Steve Andrus EXT: 2740

DATA REPORT ☑ PDF (Adobe) ☐ ASCII ☐ EXCEL Specify State

LAB USE: (A 6819)

TURNAROUND TIME: (Standard) Rush___ Days, Approved by:___ TEMP. OF COOLER 3.2 °C

10/21/08 1130 (2)

(10/23/08) 03.0032795.29 GZA FILE NO: P.O. NO.

PROJECT Chenhert Perimeter Wells

LOCATION Attn, RI

COLLECTOR(S) SMA SHEET 1 OF 1

GZA GeoEnvironmental, Inc.
Engineers and Scientists
106 South Street
Hopkinton, MA 01748
(508) 435-9244
FAX (508) 435-9912

ACCREDITED IN ACCORDANCE WITH

GZAP003