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Remediation &
Redevelopment

AYRES
ASSOCIATES

June 29, 2011

Mr. Gary Edelstein
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711

SUBJECT: Annual Groundwater Monitoring Report and Semi-Annual Inspection Report
April 2011 Monitoring Event
Stoughton City Landfill
FID No. 113005950 - License No. 00133
USEPA ID #WID980901219

Dear Mr. Edelstein:

This letter provides the Annual Groundwater Monitoring Report and the Semi-Annual Inspection Report for the April 2011 monitoring events at the Stoughton City Landfill, located in Stoughton, Wisconsin. Ayres Associates conducted the semi-annual facility inspection on April 26, 2011, and the annual groundwater monitoring event on April 28, 2011. A CD-ROM with the electronic data files of analytical results is also being submitted to the Wisconsin Department of Natural Resources (WDNR) Central Office, along with the WDNR *Environmental Monitoring Data Certification* Form 4400-231 (R1/04).

1.0 SEMI-ANNUAL INSPECTION RESULTS

The semi-annual facility inspection was conducted on April 26, 2011. The following items were noted during the inspection.

Perimeter Security Fencing - No broken slats or signs of vandalism were noted for the wooden perimeter fence. Site signage was unobstructed and legible. The chain-link fencing at the site was in good condition with no damage or vandalism noted. Access gates were in satisfactory condition with both padlocks functioning properly. No further action is required for this inspection feature.

Landfill Cover - Vegetation on the landfill cap was emerging. The ground surface appeared wet due to recent rains. No localized areas of ponding or bare soil were observed, and erosion formations such as gulleys or sparse vegetation were not observed. Two sets of animal burrows were filled in near gas vent number nine (GV-9) and GV-12 during this inspection. No further action required for this deficiency or inspection feature.

Stormwater Management System - No visible erosion was observed in the drainage channels. The culverts were undamaged, and the riprap was not clogged with any obstructive debris. No further action is required for this inspection feature.

Landfill Gas Venting System - During the inspection, GV-8 was found lying on the ground near its installed location. The pipe union near the ground surface had become separated. There was no damage noted to the piping, and the inspector was able to reattach and secure the gas vent back to original condition. No further action required for this deficiency. All 21 gas vent screens

were in good condition and unobstructed. No further action is required for this inspection feature.

Monitoring Wells and Wellhead Covers - The monitoring wells and wellhead covers were in good condition. No signs of tampering, damage, or damaged locks were found at any of the monitoring well locations. No further action is required for this inspection feature.

Access Road - The site access road was in good condition with no ruts or erosion noted. No further action is required for this inspection feature.

Refer to [Attachment A](#) for the field form completed during the semi-annual inspection.

2.0 BI-MONTHLY GAS MONITORING RESULTS

Bi-monthly gas monitoring of the three perimeter gas probes was conducted on April 28, 2011. Based on the monitoring results, migration of landfill gas to the north of the landfill was not occurring during the event. The completed field for the Bi-Monthly Gas Monitoring Inspection is included in [Attachment A](#).

3.0 ANNUAL GROUNDWATER MONITORING EVENT

3.1 FIELD PROCEDURES

The field procedures for groundwater sample collection were conducted in accordance with provisions detailed in the WDNR-approved *Quality Assurance Project Plan (QAPP), Operation and Maintenance, Stoughton City Landfill, Stoughton, Wisconsin* (Ayres, April 2011).

CT Laboratories of Baraboo, Wisconsin, analyzed the groundwater samples for volatile organic compounds (VOCs) including dichlorodifluoromethane (DCDFM) and tetrahydrofuran (THF) by EPA Method SW 8260B.

3.2 GROUNDWATER MONITORING ANALYTICAL RESULTS

A summary of detections and NR 140 standard exceedances from analytical results for the groundwater monitoring event is provided in [Table 1](#). A summary of field parameter measurements as collected during the event is provided as [Table 2](#). The new water table elevations summary is included as [Table 3](#).

The original laboratory analytical report is enclosed as [Attachment B](#).

3.2.1 Target Compounds at the Shallow Monitoring Wells

Three shallow monitoring wells were analyzed for either the full list of VOCs by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized in [Table 4](#).

3.2.2. Target Compounds at the Intermediate and Deep Monitoring Wells

Ten intermediate and deep monitoring wells were analyzed for the full list of volatile organic compounds (VOCs) by Method 8260B or for dichlorodifluoromethane (DCDFM) and Tetrahydrofuran (THF) only by Method 8260B. Analytical results and historical ranges for the current sampling event are summarized in [Table 4](#).

3.3.3 Other VOCs Detected

The following VOCs, in addition to DCDFM and THF, were detected above the preventive action limit (PAL) or enforcement standard (ES):

Compound	ES (µg/L)	PAL (µg/L)	Result (µg/L)
MW-9I			
Trichloroethene	5	0.5	1.2
Vinyl chloride	0.2	0.02	0.24
MW-9S			
Benzene	5	0.5	0.7
MW-10I			
Tetrachloroethene	5	0.5	2.8
Trichloroethene	5	0.5	0.68
MW-14I			
Tetrachloroethene	5	0.5	0.71
Trichloroethene	5	0.5	0.52
Vinyl chloride	0.2	0.02	0.24
MW-14S			
Tetrachloroethene	5	0.5	2.5

Notes:

1. **Bolded** values indicate and exceedance of the NR 140 PAL.
2. **Bolded and shaded** values indicate and exceedance of the NR 140 ES.

Several other VOCs were detected at levels below their respective PAL and ES limits as summarized in [Table 1](#).

3.3.4 Sampling Plan Deviations

There were deviations from the sampling plan.

4.0 RECOMMENDATIONS

Due to ES and PAL exceedances for DCDFM, THF, benzene, tetrachloroethene, trichloroethene, and vinyl chloride, we recommend to continue the VOC monitoring program.

If you have any questions regarding site activities or this report, feel free to contact me by phone at (608) 443-1298, or by e-mail at carneyn@ayresassociates.com.

Sincerely,



Ayres Associates, Inc.
Neil Carney, PE
Project Manager

cc: Ms. Nefertiti Simmons - USEPA Region V

SC

State of Wisconsin
Department of Natural Resources

Environmental Monitoring Data Certification

Form 4400-231(R 1/04)

Notice: Personally identifiable information collected will be used for program administration and enforcement purposes. The Department may also provide this information to requesters as required under Wisconsin's Open Records law, ss. 19.31 to 19.39, Wis. Stats. When submitting monitoring data, the owner or operator of the facility, practice or activity is required to notify the Department in writing that a groundwater standard or an explosive gas level has been attained or exceeded, as specified in ss. NR 140.24(1)(a); NR 140.26(1)(a); NR 507.30NR 635.14(9)(a); NR 635.18(20) and NR 507.30, Wis. Adm. Code. Failure to report may result in fines, forfeitures or other penalties resulting from enforcement under ss. 289.97, 291.97 or 299.95, Wis. Stats.

Received
JUL - 6 2011
Waste & Material Management

Instructions:

- Prepare one form for each license or monitoring ID.
- Please type or print legibly.
- Attach a notification of any values that attain or exceed groundwater standards (that is, preventive action limits, enforcement standards or alternative concentration limits). The notification must include a preliminary analysis of the cause and significance of each value.
- Attach a notification of any gas values that attain or exceed explosive gas levels.
- Send the original signed form, any notification, and Electronic Data Deliverable [EDD] to: GEMS Data Submittal Contact - WA/5
Bureau of Waste Management
Wisconsin Department of Natural Resources
101 South Webster Street
Madison WI 53707-7921

Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Neil E. Carney Phone: (608) 443-1298

E-mail: carneyn@ayresassociates.com

Facility name:	License # / Monitoring ID	Facility ID [FID]	Actual sampling dates (e.g., July 2-6, 2003)
Stoughton City Landfill	License# - 00133 FID - 13005950		April 28, 2011

The enclosed results are for sampling required in the month(s) of: (e.g., June 2003)

Type of Data Submitted (Check all that apply)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Groundwater monitoring data from monitoring wells | <input type="checkbox"/> Gas monitoring data |
| <input type="checkbox"/> Groundwater monitoring data from private water supply wells | <input type="checkbox"/> Air monitoring data |
| <input type="checkbox"/> Leachate monitoring data | <input type="checkbox"/> Other (specify) _____ |

Notification attached?

- No. No groundwater standards or explosive gas limits were exceeded.
- Yes, a notification of values exceeding a groundwater standard is attached. It includes a list of monitoring points, dates, sample values, groundwater standard and preliminary analysis of the cause and significance of any concentration.
- Yes, a notification of values exceeding an explosive gas limit is attached. It includes the monitoring points, dates, sample values and explosive gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards.

Neil E. Carney, PE Project Manager (608) 443-1298
Facility Representative Name (Print) Title (Area Code) Telephone No.

Neil E. Carney
Signature

05-July-2011
Date

FOR DNR USE ONLY. Check action taken, and record date and your initials. Describe on back side if necessary.

Found uploading problems on _____ Initials _____

Notified contact of problems on _____ Uploaded data successfully on 7/18/11 NS

EDD format(s): Diskette CD (initial submittal and follow-up) E-mail (follow-up only) Other

Tables

TABLE 1

**Summary of Detected Compounds and Exceedances
Annual Groundwater Report
Stoughton City Landfill
April 2011**

Compound	ES (µg/L)	PAL (µg/L)	Result (µg/L)
MW-3D			
Tetrahydrofuran	50	10	3.2
MW-5D			
Dichlorodifluoromethane	1000	200	1.3
MW-9B			
Dichlorodifluoromethane	1000	200	7.2
Trichlorofluoromethane	3490	698	4
MW-9I			
1,2,3-Trichloropropane	60	12	0.41
Benzene	5	0.5	0.36
cis-1,2-Dichloroethene	70	7	1.2
Dichlorodifluoromethane	1000	200	66
Trichlorofluoromethane	3490	698	1.4
Tetrachloroethene	5	0.5	0.48
Trichloroethene	5	0.5	1.2
Vinyl chloride	0.2	0.02	0.24
MW-9S			
Benzene	5	0.5	0.7
cis-1,2-Dichloroethene	70	7	0.34
Dichlorodifluoromethane	1000	200	77
Trichlorofluoromethane	3490	698	1.7
MW-10I			
1,2,3-Trichloropropane	60	12	0.5
cis-1,2-Dichloroethene	70	7	0.45
Dichlorodifluoromethane	1000	200	42
Trichlorofluoromethane	3490	698	0.66
Tetrachloroethene	5	0.5	2.8
Trichloroethene	5	0.5	0.68
MW-10S			
Dichlorodifluoromethane	1000	200	2.3
MW-14I			
cis-1,2-Dichloroethene	70	7	0.34
Dichlorodifluoromethane	1000	200	23
Trichlorofluoromethane	3490	698	0.66
Tetrachloroethene	5	0.5	0.71
Trichloroethene	5	0.5	0.52
Vinyl chloride	0.2	0.02	0.24
MW-14S			
Dichlorodifluoromethane	1000	200	11
Tetrachloroethene	5	0.5	2.5

Notes:

1. The Preventive Action Limit (PAL) and the Enforcement Standard (ES) are from the Wisconsin Department of Natural Resources NR 140.10, Table 1 (December 2010)
2. PAL - Preventive Action Limit
3. ES - Enforcement Standard
4. µg/L- micrograms per liter
5. **Bolded** values indicate and exceedance of the NR 140 PAL.
6. **Bolded and shaded** values indicate and exceedance of the NR 140 ES.

TABLE 2

Summary of Field Parameters
Annual Groundwater Report
Stoughton City Landfill
April 2011

Monitoring Well Number	DNR Point ID	Sampling Date	Depth to Water (ft.)	Total Depth (ft.)	Total Volume Purged (gal.)	Temperature (°C)	pH (s.u.)	Specific Conductivity (ms/cm)
MW3S	111	4/28/2011	8.75	19.4	-	-	-	-
MW3D	112	4/28/2011	8.85	73.0	44.9	8.54	7.99	0.706
MW3B	113	4/28/2011	9.73	95.0	-	-	-	-
MW4S	114	4/28/2011	6.29	15.2	-	-	-	-
MW4D	115	4/28/2011	6.23	74.0	47.4	8.26	9.1	0.544
MW5S	116	4/28/2011	6.30	16.6	-	-	-	-
MW5D	117	4/28/2011	6.13	77.0	49.6	8.37	8.62	0.455
MW7S	118	4/28/2011	4.02	15.1	-	-	-	-
MW7I	119	4/28/2011	0.00	60.0	Self Purging	8.38	7.89	0.600
MW7B	120	4/28/2011	0.00	-	-	-	-	-
MW8S	121	4/28/2011	0.00	33.0	-	-	-	-
MW8I	122	4/28/2011	0.22	62.4	43.52	8.28	7.38	0.734
MW8B	123	4/28/2011	1.93	39.5	-	-	-	-
MW9S	124	4/28/2011	1.20	13.4	8.5	7.90	7.71	0.445
MW9I	125	4/28/2011	1.59	21.5	13.9	7.76	7.53	0.512
MW9B	126	4/28/2011	1.35	83.3	57.4	8.89	7.64	0.472
MW10S	127	4/28/2011	3.01	16.9	9.7	6.56	7.41	0.409
MW10I	128	4/28/2011	0.00	39.8	Self Purging	7.18	7.37	0.515
MW10D	129	4/28/2011	0.00	86.6	-	-	-	-
MW13S	130	4/28/2011	0.00	16.7	-	-	-	-
MW13I	131	4/28/2011	0.00	51.5	Self Purging	7.84	7.84	0.423
MW13D	132	4/28/2011	0.00	95.6	-	-	-	-
MW14S	133	4/28/2011	2.95	26.2	16.3	7.08	7.82	0.342
MW14I	134	4/28/2011	1.64	51.2	34.7	8.27	7.44	0.480
MW14D	135	4/28/2011	1.32	89.6	-	-	-	-
MW15S	136	4/28/2011	3.83	16.6	-	-	-	-
MW15I	137	4/28/2011	2.98	57.4	-	-	-	-
MW15D	138	4/28/2011	2.75	85.9	-	-	-	-
MW7I DUP	---	4/28/2011	-	-	-	-	-	-
MW10I DUP	---	4/28/2011	-	-	-	-	-	-
Trip Blank	---	4/28/2011	-	-	-	-	-	-
Field Blank	---	4/28/2011	-	-	-	-	-	-

TABLE 3

**Water Table Elevation Summary
Annual Groundwater Report
Stoughton City Landfill
April 2011**

Well	DNR ID#	Measured Depth to Water (ft)	Total Well Depth (ft)	Screen Length (ft)	Bottom of Screen Elevation	Ground Surface Elevation (ft)	Above-Ground Riser Height (ft)	New TOC Elevation (ft)	NewGW Elevation (ft)
MW3D	112	8.85	73.0	10.0	--	857.07	1.9	855.17	846.32
MW4S	114	6.29	15.2	10.0		854.15	2.0	852.15	845.86
MW4D	115	6.23	74.0	10.0	--	854.17	2.1	852.08	845.85
MW5S	116	6.30	16.6	10.0		854.36	2.1	852.26	845.96
MW5D	117	6.13	77.0	10.0	--	854.15	1.8	852.35	846.22
MW7S	118	4.02	15.1	10.0		846.8	2.5	844.30	840.28
MW7I	119	0.00	60.0	10.0	--	846.69	2.7	843.99	843.99
MW7B	120	0.00	81.0	10.0		846.79	2.3	844.54	844.54
MW8S	121	0.00	33.0	10.0	--	--	1.9	845.91	845.91
MW8I	122	0.22	62.4	10.0	--	--	2.1	846.32	846.10
MW8B	123	1.93	39.5	10.0		848.28	2.1	846.18	844.25
MW9S	124	1.20	13.4	10.0	--	848.98	1.8	847.23	846.03
MW9I	125	1.59	21.5	10.0	--	849.18	2.0	847.14	845.55
MW9B	126	1.35	83.3	10.0	--	848.88	2.2	846.68	845.33
MW10S	127	3.01	16.9	10.0	829.98	--	2.4	846.88	843.87
MW10I	128	0.00	39.8	10.0	806.06	--	2.1	845.86	845.86
MW10D	129	0.00	86.6	10.0	758.64	--	2.3	845.24	845.24
MW13S	130	0.00	16.7	10.0	829.9		2.1	846.60	846.60
MW13I	131	0.00	57.5	10.0	795.52	--	2.4	853.02	853.02
MW13D	132	0.00	95.6	10.0	749.22	--	2.3	844.82	844.82
MW14S	133	2.95	26.2	10.0	--	--	2.4	848.73	845.78
MW14I	134	1.64	51.2	10.0	--	--	1.5	847.38	845.74
MW14D	135	1.32	89.6	10.0	--	--	--	847.06	845.74

TABLE 4

Historical Target Compound Detections
Annual Groundwater Report
Stoughton City Landfill
April 2011

Shallow Monitoring Wells				
Well	Current Event Concentration (µg/L)		Historical Range (µg/L)	
	DCDFM	THF	DCDFM	THF
MW3S	NA	NA	ND	ND
MW4S	NA	NA	ND	ND-0.84
MW5S	NA	NA	ND-5.2	ND
MW7S	NA	NA	ND	ND-0.87
MW8S	NA	NA	ND	ND
MW9S	77	ND	33-400	ND-22
MWI0S	2.3	ND	ND-20	ND-20
MW13S	NA	NA	ND	ND
MW14S	11	ND	18-710	ND-50
MW15S	NA	NA	ND	ND-0.76

Intermediate and Deep Monitoring Wells				
Well	Current Event Concentration (µg/L)		Historical Range (µg/L)	
	DCDFM	THF	DCDFM	THF
MW3D	ND	3.2	ND	3.2-310
MW3B	NA	NA	ND	ND-1.9
MW4D	ND	ND	ND	ND-2.2
MW5D	1.3	ND	0.92-10	1.2-4.0
MW7I	ND	ND	ND	ND-2.4
MW7B	NA	NA	ND	ND-1.7
MW8I	ND	ND	ND	1.3-20
MW8B	NA	NA	ND	ND
MW9I	66	ND	12-340	ND-12
MW9B	7.2	ND	2.3-25	ND-2.4
MW10I	42	ND	76-280	1.0-21
MWI0D	NA	NA	ND	ND
MWI3I	ND	ND	ND-3.4	ND-22
MWI3D	NA	NA	ND-0.61	ND-9.3
MWI4I	23	ND	58-590	ND-2.4
MW14D	NA	NA	ND-1.5	ND-0.47
MW15I	NA	NA	ND	ND
MWI5D	NA	NA	ND	ND

Notes:

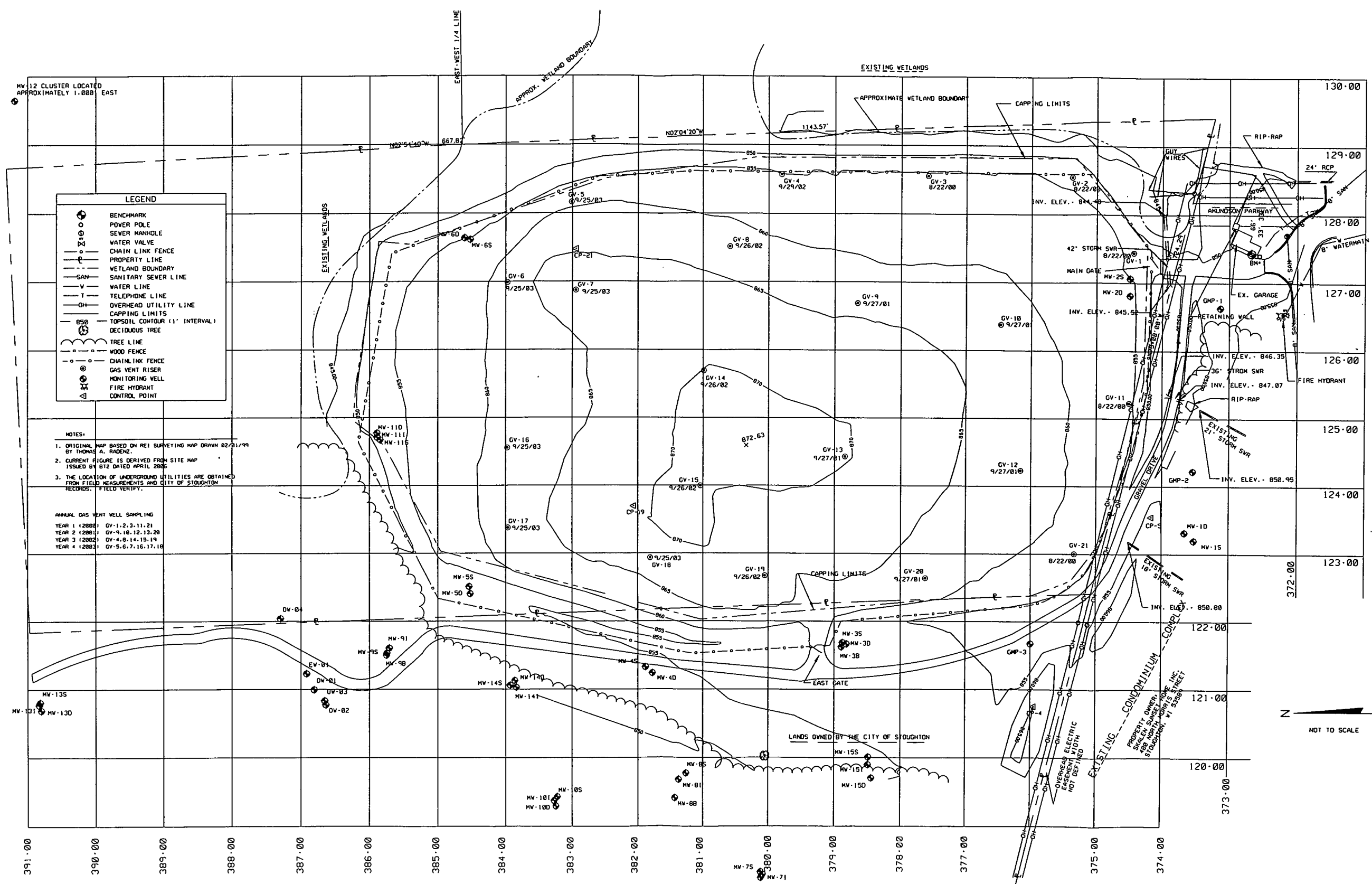
DCDFM - dichlorodifluoromethane;

THF - tetrahydrofuran.

ND - No detections

NA - Not analyzed

Figure



LEGEND

- BENCHMARK
- ⊕ POWER POLE
- ⊙ SEWER MANHOLE
- ⊕ WATER VALVE
- CHAIN LINK FENCE
- PROPERTY LINE
- - - WETLAND BOUNDARY
- - - SANITARY SEWER LINE
- WATER LINE
- TELEPHONE LINE
- OH OVERHEAD UTILITY LINE
- CAPPING LIMITS
- 850 — TOPSOIL CONTOUR (1' INTERVAL)
- ⊕ DECIDUOUS TREE
- TREE LINE
- WOOD FENCE
- CHAIN LINK FENCE
- ⊕ GAS VENT RISER
- ⊕ MONITORING WELL
- ⊕ FIRE HYDRANT
- ⊕ CONTROL POINT

NOTES:

1. ORIGINAL MAP BASED ON REI SURVEYING MAP DRAWN 02/31/99 BY THOMAS A. RADENZ.
2. CURRENT FIGURE IS DERIVED FROM SITE MAP ISSUED BY B12 DATED APRIL 2005
3. THE LOCATION OF UNDERGROUND UTILITIES ARE OBTAINED FROM FIELD MEASUREMENTS AND CITY OF STOUGHTON RECORDS. FIELD VERIFY.

ANNUAL GAS VENT WELL SAMPLING

YEAR 1 (2005)	GV-1, 2, 3, 11, 21
YEAR 2 (2006)	GV-4, 6, 10, 12, 13, 20
YEAR 3 (2007)	GV-4, 6, 14, 15, 19
YEAR 4 (2008)	GV-5, 6, 7, 16, 17, 18

4/15/2011
 jhaffelt
 EngSer_Standard.tbl
 L:\LANDFILL\Stoughton\Figure 1 - Site map.dgn

DR. BY	T. SALPERT	STOUGHTON CITY LANDFILL STOUGHTON, WISCONSIN	 AYRES ASSOCIATES <small>Madison, Wisconsin</small>	SITE MAP	FIGURE NO. 1
CHK. BY	N. CARNEY				
DATE	04/15/11				

Attachment A
Semi-annual Inspection Field Forms
Bi-monthly Gas Monitoring Field Forms

Gas Probe Monitoring Report
Stoughton City Landfill
Stoughton, Wisconsin

Probe	%LEL (as methane)	% Oxygen	%CO2	PID (ppm)	Pressure (inches of water)
GMP-1	.001	20.9	0	0.00	-.12
GMP-2	0.1	15.4	2.1	0.00	-.12
GMP-3	0.3	21.3	.1	0.00	-.12

Instruments

Used: LANDTEK GEM 2000, OUMI

Operator: E. PEDERSON

Date: 4-28-11

Weather Conditions:

Barometric Pressure (inches of Hg): 28.74 Temperature (Degrees F): 40°

Relative Humidity (%): 90 Dewpoint (Degrees F): 37° Wind: 5 MPH

Sky Conditions: CLOUDY, DRIZZLE

Ground Conditions:

Snow No Snow Frozen Ground/Frost MUDDY, SATURATED SOIL

Operation and Maintenance Semi Annual Inspection Report
Stoughton City Landfill
Stoughton, Wisconsin

Inspector: N. Carney
 Company: Ayres Assoc.
 Project: Stoughton City LF
 Location: Stoughton WI
 Date/Time: April 26, 2011
 Project No.: 19-0270.10

Weather	Clear	P. Cloudy	<u>Cloudy</u>	Fog
Temperature	High	F 57°F	--	--
Wind	Calm	<u>Medium</u>	High	--
Precipitation	Rain	<u>Light</u>	Moderate	Heavy
	Snow	Light	Moderate	Heavy

Cloudy w/ intermittent drizzle.

Type of Inspection Routine Special

Persons/Equipment Present: Neil Carney

General Description of Site Conditions: Overall, no major deficiencies noted. Vegetation is emergent, and cap appears in good condition. Site is fairly wet from recent rains.

Specific Inspection Items	Potential Problem Areas	Status *	Notes
Perimeter Security Fencing	Broken or missing wood slats, torn chain link fabric.	1	no broken slats. Check ok.
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative.	1	Good Condition
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing.	1	No Damage
Final Cover Vegetation	Bare spots, stressed vegetation, deep rooted vegetation.	1	No Bare Spots or Stressed Veg.
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding.	1	No Ponding or Gullies.
Evidence of Burrowing Animals	Damage to final cover, evidence of waste.	2	Burrow Holes Near GV-9 and GV-12.
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked.	1	Good Condition.
Landfill Gas Venting System	Damaged or blocked vent risers, stressed vegetation.	2	GV-8 on ground.
Access Road	Ponding, rutting, erosion.	1	Good Condition for road.
Cover Mowing and Tall Vegetation	Mowing and tall vegetation removal done to specified vegetation		Some brush starting to grow around gas vents. Will remove during mowing.
Removal (October Inspection Only)	light, any missed areas		

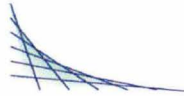
* (1) Acceptable - No Maintenance Required. (2) Not Acceptable - Identify Required Maintenance. GV-8 piping came apart @ union near ground level. Dug around base and reattached. Replaced gravel around base. Filled in burrow holes around GV-9 + GV-12.

Summary of Deficiencies and/or Corrective Actions:

Signature of Inspector: Neil Carney

Date: April 26, 2011

Attachment B
Laboratory Analytical Report



ANALYTICAL REPORT

AYRES ASSOCIATES
NEIL CARNEY
1802 PANKRATZ ST
MADISON, WI 53704-4069

Project Name: STOUGHTON LF
Contract #: 2377
Project #:
Folder #: 84828
Purchase Order #:

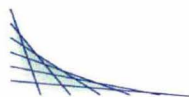
Page 1 of 33
Arrival Temperature: See COC
Report Date: 5/6/2011
Date Received: 4/29/2011
Reprint Date: 5/10/2011

CT LAB Sample#: 918811	Sample Description: TRIP BLANK	DNR License/Well #: 00133/999	Sampled: 4/28/2011
------------------------	--------------------------------	-------------------------------	--------------------

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 17:05	APG	EPA 8260B	^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 17:05	APG	EPA 8260B	^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 17:05	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918811	Sample Description: TRIP BLANK	DNR License/Well #: 00133/999	Sampled: 4/28/2011
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 17:05	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 17:05	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 17:05	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 17:05	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 17:05	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 17:05	APG	EPA 8260B ^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 17:05	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 17:05	APG	EPA 8260B ^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B ^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 17:05	APG	EPA 8260B ^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 17:05	APG	EPA 8260B ^
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 17:05	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 17:05	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



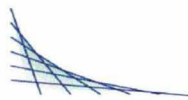


CT LAB Sample#: 918811	Sample Description: TRIP BLANK	DNR License/Well #: 00133/999	Sampled: 4/28/2011
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 17:05	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 17:05	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
Methylene chloride	0.50	ug/L	0.40 *	1.5	1			5/3/2011 17:05	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 17:05	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 17:05	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Tetrachloroethene	<0.30	ug/L	0.30	0.90	1			5/3/2011 17:05	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 17:05	APG	EPA 8260B ^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 17:05	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 17:05	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:05	APG	EPA 8260B ^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B ^
Trichlorofluoromethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 17:05	APG	EPA 8260B ^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 17:05	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918815	Sample Description: MW-3D	DNR License/Well #: 00133/112	Sampled: 4/28/2011 0645
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	706	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.99	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.54	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 11:02	APG	EPA 8260B ^
Tetrahydrofuran	3.2	ug/L	1.0	3.2	1			5/3/2011 11:02	APG	EPA 8260B ^

CT LAB Sample#: 918818	Sample Description: MW-4D	DNR License/Well #: 00133/115	Sampled: 4/28/2011 0740
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	544	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	9.10	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.26	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 11:41	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 11:41	APG	EPA 8260B ^

CT LAB Sample#: 918819	Sample Description: MW-5D	DNR License/Well #: 00133/117	Sampled: 4/28/2011 1230
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	455	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
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Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918819	Sample Description: MW-5D	DNR License/Well #: 00133/117	Sampled: 4/28/2011 1230
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
pH (Field)	8.62	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.37	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	
Organic Results										
Dichlorodifluoromethane	1.3	ug/L	0.30	1.1	1			5/3/2011 12:21	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 12:21	APG	EPA 8260B ^

CT LAB Sample#: 918820	Sample Description: MW-71	DNR License/Well #: 00133/119	Sampled: 4/28/2011 1640
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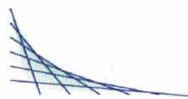
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Field Results										
Conductivity (Field)	600	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.89	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.38	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	
Organic Results										
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 12:59	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 12:59	APG	EPA 8260B ^

CT LAB Sample#: 918821	Sample Description: MW-71 DUP	DNR License/Well #: 00133/119	Sampled: 4/28/2011 1640
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Organic Results										
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 17:44	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 17:44	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918822	Sample Description: MW-8I	DNR License/Well #: 00133/122	Sampled: 4/28/2011 0835
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	734	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.38	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.28	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 18:21	APG	EPA 8260B	^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 18:21	APG	EPA 8260B	^

CT LAB Sample#: 918823	Sample Description: MW-9S	DNR License/Well #: 00133/124	Sampled: 4/28/2011 1335
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	445	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.71	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	7.90	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 13:38	APG	EPA 8260B	^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918823	Sample Description: MW-9S	DNR License/Well #: 00133/124	Sampled: 4/28/2011 1335
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 13:38	APG	EPA 8260B	^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 13:38	APG	EPA 8260B	^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 13:38	APG	EPA 8260B	^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 13:38	APG	EPA 8260B	^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 13:38	APG	EPA 8260B	^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 13:38	APG	EPA 8260B	^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 13:38	APG	EPA 8260B	^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 13:38	APG	EPA 8260B	^
Benzene	0.70	ug/L	0.30 *	1.0	1			5/3/2011 13:38	APG	EPA 8260B	^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B	^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 13:38	APG	EPA 8260B	^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 13:38	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis



CT LAB Sample#: 918823	Sample Description: MW-9S	DNR License/Well #: 00133/124	Sampled: 4/28/2011 1335
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B ^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B ^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 13:38	APG	EPA 8260B ^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 13:38	APG	EPA 8260B ^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 13:38	APG	EPA 8260B ^
cis-1,2-Dichloroethene	0.34	ug/L	0.30 *	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 13:38	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 13:38	APG	EPA 8260B ^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
Dichlorodifluoromethane	77	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 13:38	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 13:38	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 13:38	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 13:38	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 13:38	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 13:38	APG	EPA 8260B ^
Tetrachloroethene	<0.30	ug/L	0.30	0.90	1			5/3/2011 13:38	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



CT LAB Sample#: 918823		Sample Description: MW-9S			DNR License/Well #: 00133/124			Sampled: 4/28/2011 1335			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 13:38	APG	EPA 8260B	^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 13:38	APG	EPA 8260B	^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 13:38	APG	EPA 8260B	^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 13:38	APG	EPA 8260B	^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B	^
Trichlorofluoromethane	1.7	ug/L	0.40	1.3	1			5/3/2011 13:38	APG	EPA 8260B	^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 13:38	APG	EPA 8260B	^

CT LAB Sample#: 918824		Sample Description: MW-9I			DNR License/Well #: 00133/125			Sampled: 4/28/2011 1415			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	

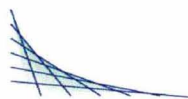
Field Results

Conductivity (Field)	512	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB		
pH (Field)	7.53	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB		
Temperature (Field)	7.76	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB		

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 14:17	APG	EPA 8260B	^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 14:17	APG	EPA 8260B	^
1,2,3-Trichloropropane	0.41	ug/L	0.40 *	1.3	1			5/3/2011 14:17	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis

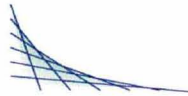


CT LAB Sample#: 918824	Sample Description: MW-9I	DNR License/Well #: 00133/125	Sampled: 4/28/2011 1415
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 14:17	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 14:17	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 14:17	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 14:17	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 14:17	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 14:17	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 14:17	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 14:17	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 14:17	APG	EPA 8260B ^
Benzene	0.36	ug/L	0.30 *	1.0	1			5/3/2011 14:17	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 14:17	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 14:17	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 14:17	APG	EPA 8260B ^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 14:17	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis

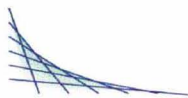




CT LAB Sample#: 918824		Sample Description: MW-9I			DNR License/Well #: 00133/125			Sampled: 4/28/2011 1415			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B	^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 14:17	APG	EPA 8260B	^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 14:17	APG	EPA 8260B	^
cis-1,2-Dichloroethene	1.2	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 14:17	APG	EPA 8260B	^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 14:17	APG	EPA 8260B	^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
Dichlorodifluoromethane	66	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 14:17	APG	EPA 8260B	^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B	^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 14:17	APG	EPA 8260B	^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B	^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 14:17	APG	EPA 8260B	^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 14:17	APG	EPA 8260B	^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 14:17	APG	EPA 8260B	^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B	^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B	^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 14:17	APG	EPA 8260B	^
Tetrachloroethene	0.48	ug/L	0.30 *	0.90	1			5/3/2011 14:17	APG	EPA 8260B	^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 14:17	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918824	Sample Description: MW-9I	DNR License/Well #: 00133/125	Sampled: 4/28/2011 1415
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 14:17	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 14:17	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 14:17	APG	EPA 8260B ^
Trichloroethene	1.2	ug/L	0.40 *	1.3	1			5/3/2011 14:17	APG	EPA 8260B ^
Trichlorofluoromethane	1.4	ug/L	0.40	1.3	1			5/3/2011 14:17	APG	EPA 8260B ^
Vinyl chloride	0.24	ug/L	0.19 *	0.63	1			5/3/2011 14:17	APG	EPA 8260B ^

CT LAB Sample#: 918825	Sample Description: MW-9B	DNR License/Well #: 00133/126	Sampled: 4/28/2011 1510
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

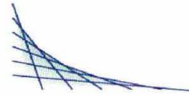
Conductivity (Field)	472	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.64	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	8.89	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:01	APG	EPA 8260B ^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



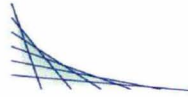


CT LAB Sample#: 918825	Sample Description: MW-9B	DNR License/Well #: 00133/126	Sampled: 4/28/2011 1510
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 19:01	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:01	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 19:01	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 19:01	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 19:01	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:01	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 19:01	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 19:01	APG	EPA 8260B ^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 19:01	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 19:01	APG	EPA 8260B ^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



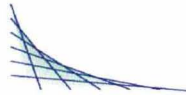


CT LAB Sample#: 918825	Sample Description: MW-9B	DNR License/Well #: 00133/126	Sampled: 4/28/2011 1510
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 19:01	APG	EPA 8260B ^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 19:01	APG	EPA 8260B ^
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 19:01	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 19:01	APG	EPA 8260B ^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Dichlorodifluoromethane	7.2	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:01	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 19:01	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 19:01	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:01	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:01	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Tetrachloroethene	<0.30	ug/L	0.30	0.90	1			5/3/2011 19:01	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 19:01	APG	EPA 8260B ^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:01	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918825	Sample Description: MW-9B	DNR License/Well #: 00133/126	Sampled: 4/28/2011 1510
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:01	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:01	APG	EPA 8260B ^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
Trichlorofluoromethane	4.0	ug/L	0.40	1.3	1			5/3/2011 19:01	APG	EPA 8260B ^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 19:01	APG	EPA 8260B ^

CT LAB Sample#: 918826	Sample Description: MW-10S	DNR License/Well #: 00133/127	Sampled: 4/28/2011 0915
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	409	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.41	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	6.56	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:40	APG	EPA 8260B ^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



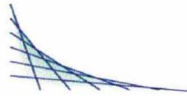


CT LAB Sample#: 918826	Sample Description: MW-10S	DNR License/Well #: 00133/127	Sampled: 4/28/2011 0915
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 19:40	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:40	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 19:40	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 19:40	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 19:40	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:40	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 19:40	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 19:40	APG	EPA 8260B ^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 19:40	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 19:40	APG	EPA 8260B ^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918826	Sample Description: MW-10S	DNR License/Well #: 00133/127	Sampled: 4/28/2011 0915
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 19:40	APG	EPA 8260B ^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 19:40	APG	EPA 8260B ^
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 19:40	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 19:40	APG	EPA 8260B ^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Dichlorodifluoromethane	2.3	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 19:40	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 19:40	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 19:40	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:40	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 19:40	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
Tetrachloroethene	<0.30	ug/L	0.30	0.90	1			5/3/2011 19:40	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 19:40	APG	EPA 8260B ^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 19:40	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 19:40	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



CT LAB Sample#: 918826	Sample Description: MW-10S	DNR License/Well #: 00133/127	Sampled: 4/28/2011 0915
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 19:40	APG	EPA 8260B ^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
Trichlorofluoromethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 19:40	APG	EPA 8260B ^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 19:40	APG	EPA 8260B ^

CT LAB Sample#: 918827	Sample Description: MW-10I	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

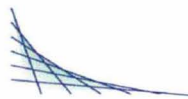
Conductivity (Field)	515	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.37	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	7.18	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1,1,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:18	APG	EPA 8260B ^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2,3-Trichloropropane	0.50	ug/L	0.40 *	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 20:18	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918827	Sample Description: MW-101	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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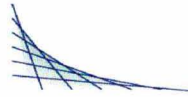
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 20:18	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:18	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 20:18	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 20:18	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 20:18	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:18	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 20:18	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 20:18	APG	EPA 8260B ^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 20:18	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 20:18	APG	EPA 8260B ^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 20:18	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



CT LABORATORIES

delivering more than data from your environmental analyses



AYRES ASSOCIATES
 Project Name: STOUGHTON LF
 Project #:

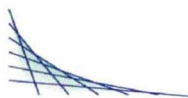
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CT LAB Sample#: 918827	Sample Description: MW-101	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 20:18	APG	EPA 8260B ^
cis-1,2-Dichloroethene	0.45	ug/L	0.30 *	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 20:18	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 20:18	APG	EPA 8260B ^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
Dichlorodifluoromethane	41	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:18	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 20:18	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 20:18	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:18	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:18	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Tetrachloroethene	2.8	ug/L	0.30	0.90	1			5/3/2011 20:18	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 20:18	APG	EPA 8260B ^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:18	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:18	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:18	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918827	Sample Description: MW-10I	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Trichloroethene	0.68	ug/L	0.40 *	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
Trichlorofluoromethane	0.59	ug/L	0.40 *	1.3	1			5/3/2011 20:18	APG	EPA 8260B ^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 20:18	APG	EPA 8260B ^

CT LAB Sample#: 918828	Sample Description: MW-10I DUP	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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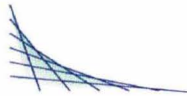
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:57	APG	EPA 8260B ^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2,3-Trichloropropane	0.48	ug/L	0.40 *	1.3	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 20:57	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:57	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





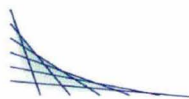
CT LAB Sample#: 918828		Sample Description: MW-10I DUP			DNR License/Well #: 00133/128			Sampled: 4/28/2011 0950			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:57	APG	EPA 8260B	^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 20:57	APG	EPA 8260B	^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 20:57	APG	EPA 8260B	^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 20:57	APG	EPA 8260B	^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:57	APG	EPA 8260B	^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 20:57	APG	EPA 8260B	^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 20:57	APG	EPA 8260B	^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B	^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:57	APG	EPA 8260B	^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B	^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B	^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 20:57	APG	EPA 8260B	^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 20:57	APG	EPA 8260B	^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 20:57	APG	EPA 8260B	^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B	^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:57	APG	EPA 8260B	^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 20:57	APG	EPA 8260B	^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 20:57	APG	EPA 8260B	^
cis-1,2-Dichloroethene	0.41	ug/L	0.30 *	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 20:57	APG	EPA 8260B	^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 20:57	APG	EPA 8260B	^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^
Dichlorodifluoromethane	42	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis



CT LABORATORIES

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AYRES ASSOCIATES
 Project Name: STOUGHTON LF
 Project #:

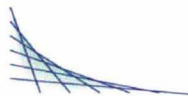
Contract #: 2377
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CT LAB Sample#: 918828	Sample Description: MW-10I DUP	DNR License/Well #: 00133/128	Sampled: 4/28/2011 0950
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 20:57	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 20:57	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 20:57	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:57	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 20:57	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
Tetrachloroethene	2.8	ug/L	0.30	0.90	1			5/3/2011 20:57	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 20:57	APG	EPA 8260B ^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 20:57	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 20:57	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 20:57	APG	EPA 8260B ^
Trichloroethene	0.68	ug/L	0.40 *	1.3	1			5/3/2011 20:57	APG	EPA 8260B ^
Trichlorofluoromethane	0.66	ug/L	0.40 *	1.3	1			5/3/2011 20:57	APG	EPA 8260B ^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 20:57	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918829	Sample Description: MW-131	DNR License/Well #: 00133/131	Sampled: 4/28/2011 1550
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

Conductivity (Field)	423	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.84	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	7.84	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 21:36	APG	EPA 8260B	^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 21:36	APG	EPA 8260B	^

CT LAB Sample#: 918830	Sample Description: MW-14S	DNR License/Well #: 00133/133	Sampled: 4/28/2011 1040
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Field Results

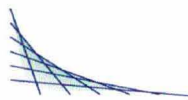
Conductivity (Field)	342	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB	
pH (Field)	7.82	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB	
Temperature (Field)	7.08	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB	

Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:13	APG	EPA 8260B	^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis



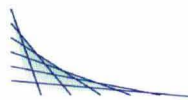


CT LAB Sample#: 918830	Sample Description: MW-14S	DNR License/Well #: 00133/133	Sampled: 4/28/2011 1040
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 22:13	APG	EPA 8260B ^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:13	APG	EPA 8260B ^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:13	APG	EPA 8260B ^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 22:13	APG	EPA 8260B ^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 22:13	APG	EPA 8260B ^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 22:13	APG	EPA 8260B ^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:13	APG	EPA 8260B ^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 22:13	APG	EPA 8260B ^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 22:13	APG	EPA 8260B ^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B ^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:13	APG	EPA 8260B ^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B ^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B ^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 22:13	APG	EPA 8260B ^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B ^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 22:13	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918830		Sample Description: MW-14S			DNR License/Well #: 00133/133			Sampled: 4/28/2011 1040			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B	^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B	^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 22:13	APG	EPA 8260B	^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 22:13	APG	EPA 8260B	^
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 22:13	APG	EPA 8260B	^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 22:13	APG	EPA 8260B	^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
Dichlorodifluoromethane	11	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:13	APG	EPA 8260B	^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B	^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 22:13	APG	EPA 8260B	^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B	^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 22:13	APG	EPA 8260B	^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:13	APG	EPA 8260B	^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:13	APG	EPA 8260B	^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B	^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
Tetrachloroethene	2.5	ug/L	0.30	0.90	1			5/3/2011 22:13	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis



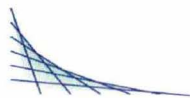


CT LAB Sample#: 918830		Sample Description: MW-14S			DNR License/Well #: 00133/133			Sampled: 4/28/2011 1040			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 22:13	APG	EPA 8260B	^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:13	APG	EPA 8260B	^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:13	APG	EPA 8260B	^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:13	APG	EPA 8260B	^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B	^
Trichlorofluoromethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:13	APG	EPA 8260B	^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 22:13	APG	EPA 8260B	^

CT LAB Sample#: 918831		Sample Description: MW-14I			DNR License/Well #: 00133/134			Sampled: 4/28/2011 1130			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Field Results											
Conductivity (Field)	480	umhos/cm	N/A	N/A	1			4/28/2011 00:00	SUB		
pH (Field)	7.44	S.U.	N/A	N/A	1			4/28/2011 00:00	SUB		
Temperature (Field)	8.27	Deg. C	N/A	N/A	1			4/28/2011 00:00	SUB		
Organic Results											
1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:52	APG	EPA 8260B	^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:52	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918831		Sample Description: MW-14I		DNR License/Well #: 00133/134			Sampled: 4/28/2011 1130				
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 22:52	APG	EPA 8260B	^
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:52	APG	EPA 8260B	^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 22:52	APG	EPA 8260B	^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 22:52	APG	EPA 8260B	^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 22:52	APG	EPA 8260B	^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:52	APG	EPA 8260B	^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 22:52	APG	EPA 8260B	^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 22:52	APG	EPA 8260B	^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B	^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B	^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B	^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 22:52	APG	EPA 8260B	^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B	^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 22:52	APG	EPA 8260B	^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 22:52	APG	EPA 8260B	^

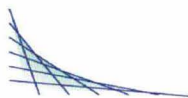
Solid sample results reported on a Dry Weight Basis



CT LAB Sample#: 918831	Sample Description: MW-14I	DNR License/Well #: 00133/134	Sampled: 4/28/2011 1130
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B ^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:52	APG	EPA 8260B ^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 22:52	APG	EPA 8260B ^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 22:52	APG	EPA 8260B ^
cis-1,2-Dichloroethene	0.34	ug/L	0.30 *	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 22:52	APG	EPA 8260B ^
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 22:52	APG	EPA 8260B ^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Dichlorodifluoromethane	23	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 22:52	APG	EPA 8260B ^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B ^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B ^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 22:52	APG	EPA 8260B ^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B ^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 22:52	APG	EPA 8260B ^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:52	APG	EPA 8260B ^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B ^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 22:52	APG	EPA 8260B ^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B ^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 22:52	APG	EPA 8260B ^
Tetrachloroethene	0.71	ug/L	0.30 *	0.90	1			5/3/2011 22:52	APG	EPA 8260B ^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 22:52	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis



CT LAB Sample#: 918831	Sample Description: MW-14I	DNR License/Well #: 00133/134	Sampled: 4/28/2011 1130
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 22:52	APG	EPA 8260B ^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 22:52	APG	EPA 8260B ^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 22:52	APG	EPA 8260B ^
Trichloroethene	0.52	ug/L	0.40 *	1.3	1			5/3/2011 22:52	APG	EPA 8260B ^
Trichlorofluoromethane	0.66	ug/L	0.40 *	1.3	1			5/3/2011 22:52	APG	EPA 8260B ^
Vinyl chloride	0.24	ug/L	0.19 *	0.63	1			5/3/2011 22:52	APG	EPA 8260B ^

CT LAB Sample#: 918832	Sample Description: FIELD BLANK	DNR License/Well #: 00133/997	Sampled: 4/28/2011
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Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Organic Results

1,1,1,2-Tetrachloroethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1,1-Trichloroethane	<0.29	ug/L	0.29	0.98	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1,2,2-Tetrachloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1,2-Trichloroethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1-Dichloroethane	<0.28	ug/L	0.28	0.93	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1-Dichloroethene	<0.29	ug/L	0.29	0.95	1			5/3/2011 23:31	APG	EPA 8260B ^
1,1-Dichloropropene	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2,3-Trichlorobenzene	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2,3-Trichloropropane	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2,4-Trichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2,4-Trimethylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2-Dibromo-3-chloropropane	<0.50	ug/L	0.50	1.5	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2-Dibromoethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2-Dichlorobenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B ^
1,2-Dichloroethane	<0.30	ug/L	0.30	0.98	1			5/3/2011 23:31	APG	EPA 8260B ^

Solid sample results reported on a Dry Weight Basis

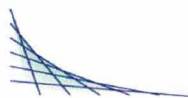




CT LAB Sample#: 918832		Sample Description: FIELD BLANK			DNR License/Well #: 00133/997			Sampled: 4/28/2011			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
1,2-Dichloropropane	<0.29	ug/L	0.29	0.97	1			5/3/2011 23:31	APG	EPA 8260B	^
1,3,5-Trimethylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
1,3-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
1,3-Dichloropropane	<0.30	ug/L	0.30	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
1,4-Dichlorobenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
2,2-Dichloropropane	<0.28	ug/L	0.28	0.95	1			5/3/2011 23:31	APG	EPA 8260B	^
2-Butanone	<3.0	ug/L	3.0	11	1			5/3/2011 23:31	APG	EPA 8260B	^
2-Chlorotoluene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
2-Hexanone	<4.0	ug/L	4.0	12	1			5/3/2011 23:31	APG	EPA 8260B	^
4-Chlorotoluene	<0.29	ug/L	0.29	0.97	1			5/3/2011 23:31	APG	EPA 8260B	^
4-Methyl-2-pentanone	<3.0	ug/L	3.0	11	1			5/3/2011 23:31	APG	EPA 8260B	^
Acetone	<5.0	ug/L	5.0	15	1			5/3/2011 23:31	APG	EPA 8260B	^
Benzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
Bromobenzene	<0.30	ug/L	0.30	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Bromochloromethane	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Bromodichloromethane	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
Bromoform	<0.24	ug/L	0.24	0.79	1			5/3/2011 23:31	APG	EPA 8260B	^
Bromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Carbon disulfide	<0.60	ug/L	0.60	1.9	1			5/3/2011 23:31	APG	EPA 8260B	^
Carbon tetrachloride	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B	^
Chlorobenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
Chloroethane	<0.30	ug/L	0.30	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Chloroform	<0.23	ug/L	0.23	0.76	1			5/3/2011 23:31	APG	EPA 8260B	^
Chloromethane	<0.40	ug/L	0.40	1.4	1			5/3/2011 23:31	APG	EPA 8260B	^
cis-1,2-Dichloroethene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
cis-1,3-Dichloropropene	<0.28	ug/L	0.28	0.93	1			5/3/2011 23:31	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis





CT LAB Sample#: 918832		Sample Description: FIELD BLANK			DNR License/Well #: 00133/997			Sampled: 4/28/2011			
Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method	
Dibromochloromethane	<0.26	ug/L	0.26	0.85	1			5/3/2011 23:31	APG	EPA 8260B	^
Dibromomethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Dichlorodifluoromethane	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Diisopropyl ether	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	
Ethylbenzene	<0.29	ug/L	0.29	0.97	1			5/3/2011 23:31	APG	EPA 8260B	^
Hexachlorobutadiene	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Isopropylbenzene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
m & p-Xylene	<0.60	ug/L	0.60	1.9	1			5/3/2011 23:31	APG	EPA 8260B	^
Methyl tert-butyl ether	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
Methylene chloride	<0.40	ug/L	0.40	1.5	1			5/3/2011 23:31	APG	EPA 8260B	^
n-Butylbenzene	<0.29	ug/L	0.29	0.95	1			5/3/2011 23:31	APG	EPA 8260B	^
n-Propylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Naphthalene	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
o-Xylene	<0.29	ug/L	0.29	0.95	1			5/3/2011 23:31	APG	EPA 8260B	^
p-Isopropyltoluene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
sec-Butylbenzene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Styrene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
tert-Butylbenzene	<0.40	ug/L	0.40	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Tetrachloroethene	<0.30	ug/L	0.30	0.90	1			5/3/2011 23:31	APG	EPA 8260B	^
Tetrahydrofuran	<1.0	ug/L	1.0	3.2	1			5/3/2011 23:31	APG	EPA 8260B	^
Toluene	<0.30	ug/L	0.30	1.2	1			5/3/2011 23:31	APG	EPA 8260B	^
trans-1,2-Dichloroethene	<0.30	ug/L	0.30	1.0	1			5/3/2011 23:31	APG	EPA 8260B	^
trans-1,3-Dichloropropene	<0.30	ug/L	0.30	1.1	1			5/3/2011 23:31	APG	EPA 8260B	^
Trichloroethene	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B	^
Trichlorofluoromethane	<0.40	ug/L	0.40	1.3	1			5/3/2011 23:31	APG	EPA 8260B	^
Vinyl chloride	<0.19	ug/L	0.19	0.63	1			5/3/2011 23:31	APG	EPA 8260B	^

Solid sample results reported on a Dry Weight Basis



Notes: * Indicates Value in between the LOD (limit of detection) and the LOQ (limit of quantitation).
^ Indicates the laboratory is NELAP accredited for this analyte by the indicated matrix and method.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

This report has been specifically prepared to satisfy project or program requirements. Although certain analyses may indicate NELAP accreditation, the parameters may not necessarily have been analyzed and/or reported following NELAP conventions or requirements. Level of uncertainty measurements only provided upon pre-approved request.

Submitted by: Eric T. Korthals
Project Manager
608-356-2760

Current CT Laboratories Certifications

Illinois NELAP ID# 200046
Kansas NELAP ID# E-10368
Kentucky ID# 0023
Pennsylvania NELAP ID# 68-04201
New Jersey NELAP ID# WI001
North Dakota ID# R-171
Wisconsin (WDNR) Chemistry ID# 157066030
Wisconsin (DATCP) Bacteriology ID# 105-289
DoD-ELAP Accreditation Cert # ADE-1453

GA EPD Stipulation

Accreditor: IL NELAP
Accreditation ID: 200046
Scope: Hazardous/Solid Waste
Non-potable water
Effective: 11/19/2009
Expires: 09/30/2011

CHAIN OF CUSTODY RECORD

PROJECT NO.		PROJECT NAME/CLIENT STOUGHTON L.F.				NO. OF JARS DRO (M/DNR) / GRO (M/DNR) / PYOC (EPA 8020) / GRO/PYOC / VOC (EPA 8021) / VOCs (B260)a / THF & DCOFM only										LAB: CT		
SAMPLERS: (Signature) <i>[Signature]</i>																QUOTE #		
		COLLECTION DATE		TIME	PRESERVE TYPE	SAMPLE MATRIX											TURN AROUND TIME: STANDARD 14-DAY TAT	
LAB ID	SAMPLE NO.																COMMENTS	
918811	Trip BLNK	4-28-11			HCL	GW											*****	
918815	MW-3D			6:45													Folder #: 84828	
918818	MW-4D			7:40													Company: AYRES ASSOCIATES	
918819	MW-5D			12:30													Project: STOUGHTON LF	
918820	MW-7I			4:40													Logged By: JLS PM: ET	
918821	MW-7I Dup			4:40													*****	
918822	MW-8I			8:35														
918823	MW-9S			1:35														
918824	MW-9I			2:15														
918825	MW-9B			3:10														
918826	MW-10S			9:15														
918827	MW-10I			9:50														
918828	MW-10I Dup			9:50														
918829	MW-13I			3:50														
918830	MW-14S			10:40														
918831	MW-14I			16:30														
918832	Field Blank																	
RELINQUISHED BY: (Signature) <i>[Signature]</i>		DATE/TIME Apr 29 2011 9:00 AM		RECEIVED BY: (Signature) <i>[Signature]</i>		RELINQUISHED BY: (Signature) <i>[Signature]</i>		DATE/TIME Apr 29 2011 11:15		RECEIVED BY: (Signature) <i>[Signature]</i>		DATE/TIME 4/29/11 1246						
RELINQUISHED BY: (Signature)		DATE/TIME 1		RECEIVED FOR LABORATORY BY: (Signature) <i>[Signature]</i>		DATE/TIME 04-29-11 11:13												
METHOD OF SHIPMENT:		DROP OFF		LAB COURIER		OTHER:								MAKE INVOICE TO:				
														NAME: SAME AS				
														ADDRESS:				
														CITY/STATE:				
														REMARKS: Please FAX executed C.O.C. upon receipt to (608) 443-1250				

SEND RESULTS AND C.O.C. TO: (NAME) **NEIL CARNEY**



220
4/29/11 1230
jls

March 26, 2012

Mr. Gary Edelstein
WDNR South Central Region Office
3911 Fish Hatchery Road
Fitchburg, WI 53711

RECEIVED

APR - 3 2012

Remediation &
Redevelopment

SUBJECT: Semi-Annual Report
October 2011 Semi-Annual Facility Inspection
Bi-Monthly Gas Monitoring Results
Stoughton City Landfill
FID No.113005950 - License No. 00133
USEPA ID #WID980901219

Dear Mr. Edelstein:

This letter provides the Semi-Annual Report for the October 2011 Semi-Annual Facility Inspection, and Bi-Monthly Gas Monitoring events at the Stoughton City Landfill, located in Stoughton, Wisconsin. A discussion of the results of the inspection and monitoring events are summarized in the sections below.

1.0 SEMI-ANNUAL INSPECTION RESULTS

The Semi-Annual Facility Inspection was conducted on October 30, 2011. Supplemental information was collected in March 2012 at the request of the Wisconsin Department of Natural Resources (WDNR) in order to provide additional photo documentation of observations made at the site. The following items were noted during the inspection. A photolog of the inspection event is provided as [Table 1](#).

Perimeter Security Fencing - No broken slats or signs of vandalism were noted for the wooden perimeter fence. Site signage was unobstructed and legible. The chain-link fencing at the site was in good condition with no damage or vandalism noted. Access gates were in satisfactory condition with both padlocks functioning properly. No further action is required for this inspection feature.

Landfill Cover - Vegetation on the landfill cap was established and in late seasonal stage. The ground surface appeared wet due to recent intermittent rain showers. No localized areas of ponding or bare soil were observed.

One gully, approximately 12-inches deep was observed on the northwest side of the landfill cap near gas vent 18 (GV-18). Refer to [Attachment A](#), reference photos 2011-10-001 and 2011-10-002 to see this area.

Three areas of animal burrows and established woody vegetation roots were observed near GV-10, GV-11, and GV-12 during this inspection. Refer to [Attachment A](#), reference photos 2011-10-003 through 2011-10-005 to see this area.

Storm Water Management System - No visible erosion was observed in the drainage channels, and the culverts appeared undamaged. Existing riprap was clogged with obstructions in the

south stormwater drainage feature. Obstructions included cattails and woody vegetation. Refer to [Attachment A](#), reference photos 2011-10-028 through 2011-10-030 to see this area.

Landfill Gas Venting System - All 21 gas vents and screens were in good condition and unobstructed. No further action is required for this inspection feature.

Monitoring Wells and Wellhead Covers – Several of monitoring wells, wellhead protective covers, and locks are in poor condition and require corrective action. [Table 1](#) has been developed to summarize the deficiencies observed at the monitoring wells. Examples of deficiencies observed at the site include:

- Missing or non-functional locks
- Broken hinges on protective well casings
- Missing expandable well caps
- Artesian/flowing wells requiring plugging

Refer to [Attachment A](#), reference photos 2011-10-006 through 2011-10-023 to see these locations.

Access Road - The site access road was in good condition with no significant ruts or erosion noted. No further action is required for this inspection feature.

Refer to [Attachment B](#) for the field form completed during the semi-annual inspection.

2.0 BI-MONTHLY GAS MONITORING RESULTS

Bi-Monthly Gas Monitoring of the three perimeter gas probes was conducted on July 6, August 29, and October 30, 2011. Based on the monitoring results, migration of landfill gas to the north of the landfill was not occurring during the event. The completed field forms for the Bi-Monthly Gas Monitoring Inspections is included in [Attachment C](#).

3.0 ANNUAL MOWING FOR LANDFILL COVER

The annual landfill cap mowing event was conducted on August 28, 2011. A tractor pulled mower was utilized during the event. Vegetation was cut to a height of 12-inches or less. Vegetation and brush that were present around existing monitoring wells or gas vents were also cut. There are some well-established root systems near the landfill gas vents which remain, and are visible near GV- 10, GV-11, and GV-12. Refer to [Attachment A](#), reference photos 2011-10-024 through 2011-10-027 to see photos of the mowing event.

4.0 RECOMMENDATIONS

Based on the observations made during the Semi-Annual Inspection, the following corrective actions are recommended at the site:

- Place top soil and seed mixture in the localized gully on the northwest side of the landfill cap. Filling the gully, and revegetation of the sloped area, will minimize potential of expansion of the gully over time.
- Plug the existing animals burrows with topsoil and seed.

- Manually cut and excavate the woody root masses near GV-10, GV-11, and GV-12 to mitigate future growth of obstructions.
- Manually cut and remove the cattails and woody vegetation in the south stormwater drainage feature. Following removal of vegetation, evaluation during future semi-annual inspections should be conducted to determine if further action (regrading, new riprap) is warranted.
- Monitoring wells which had locks replaced during the semi-annual inspection were noted in [Table 1](#). All replacement locks are identically keyed. A set of these keys has been included with the hardcopy report to the WDNR.
- Retrofit and/or install new hinges and locking ring (EW-1 only) on protective casings which are damaged.
- Replace 2-inch expandable well caps on all monitoring wells which are indicated on [Table 1](#) as requiring new well caps.
- Install new well packers in self-purging, artesian wells on-site. Currently installed plugging methods are ineffective or have degraded over-time since the initial installation.

A summary of all recommendations is provided in [Table 1](#).

If you have any questions regarding site activities or recommendations in this report, feel free to contact me by phone at (608) 443-1298, or by e-mail at carneyn@ayresassociates.com.

Sincerely,



Ayres Associates Inc
Neil Carney, PE
Project Manager

cc: Ms. Nefertiti DiCosmo - USEPA Region V

TABLES

Table 1
Photolog and Summary of Recommended Corrective Actions
Stoughton City Landfill
Semi Annual Inspection - October 2011

Location	Reference Photo	Date/Time	Weather	Lock Replaced During Inspection	Broken Hinge - Protective Casing	New Expandable Well Cap	Artesian Wells Requiring Plugging	Comments and Recommendation for Corrective Action
Landfill Cap (NW)	2011-10-001	10/30/2011 3:20PM	Cloudy, 50F					Erosion gully 12-inches or greater requires repair.
Landfill Cap (NW)	2011-10-002	10/30/2011 3:20PM	Cloudy, 50F					Erosion gully 12-inches or greater requires repair.
GV-10	2011-10-003	10/30/2011 3:00PM	Cloudy, 50F					Animal burrow and woody vegetation requires repair/removal.
GV-11	2011-10-004	10/30/2011 3:00PM	Cloudy, 50F					Animal burrow and woody vegetation requires repair/removal.
GV-12	2011-10-005	10/30/2011 3:00PM	Cloudy, 50F					Animal burrow requires repair/removal.
MW3S	2011-10-006	3/23/2012 2:45PM	Cloudy, 70F			X		Well requires a new 2" expandable cap (missing during inspection).
MW3D	2011-10-007	3/23/2012 2:45PM	Cloudy, 70F	Replaced Oct. 2011				Lock was damaged and required replacement.
MW4D	2011-10-008	3/23/2012 2:50PM	Cloudy, 70F			X		Well requires a new 2" expandable cap (missing during inspection).
MW7B	2011-10-009	10/30/2011 3:45PM	Cloudy, 50F	Replaced Oct. 2011			X	Monitoring well is self purging. Flow visible from weep hole.
MW9S	2011-10-010	3/23/2012 2:55PM	Cloudy, 70F	Replaced Oct. 2011				Lock was damaged and required replacement.
MW9D	2011-10-011	3/23/2012 2:55PM	Cloudy, 70F	Replaced Oct. 2011				Lock was damaged and required replacement.
MW10D	2011-10-012	10/30/2011 3:55PM	Cloudy, 50F				X	Monitoring well is self-purging and requires plugging. Water is exiting the well at a joint approx. 12" from top of casing.
MW10I	2011-10-013	3/19/2012 2:55PM	Sunny, 75F	Replaced Oct. 2011	X	X	X	Lock was missing and required replacement. Hinge on protective casing is damaged and requires repair. Well requires a new 2" expandable cap (no longer functioning properly). Well was self-purging and requires plugging.
MW10S	2011-10-014	10/30/2011 3:55PM	Cloudy, 50F		X			Hinge on protective casing is damaged and requires repair.
MW13I	2011-10-015	3/19/2012 3:05PM	Sunny, 75F	Replaced Oct. 2011			X	Lock was damaged and required replacement. Well was self-purging and requires plugging.
MW13S	2011-10-016	10/30/2011 4:05PM	Cloudy, 50F		X			Hinge on protective casing is damaged and requires repair.
MW13D	2011-10-017	3/19/2012 3:05PM	Sunny, 75F	Replaced Oct. 2011			X	Monitoring well is moss covered and self-purging. Could not access well due to non-functioning lock.
MW14I	2011-10-018	3/23/2012 2:50PM	Cloudy, 70F			X		Well requires a new 2" expandable cap (missing during inspection).
MW15D	2011-10-019	3/23/2012 3:15PM	Cloudy, 70F	Replaced Oct. 2011				Lock was damaged and required replacement. Well requires a new 2" expandable cap (missing during inspection).
OW-1	2011-10-020	10/30/2011 4:10PM	Cloudy, 50F	Replaced Oct. 2011			X	Monitoring well is self purging. Replaced non-functioning lock.
EW-1	2011-10-021 2011-10-022	10/30/2011 4:10PM	Cloudy, 50F	Replaced Oct. 2011	X			Locking ring at top of protective casing needs to be secured. Lock was missing and required replacement.
GMP-2	2011-10-023	10/30/2011 2:45PM	Cloudy, 50F		X			Hinge on protective casing is damaged and requires repair.
Landfill Cap	2011-10-024	8/28/2011 10:00AM	Sunny, 75F					Conditions of the landfill cap prior to the mowing event. MW-2 well nest is visible.
Landfill Cap	2011-10-025	8/28/2011 10:15AM	Sunny, 75F					"Before and after" conditions during the mowing event.
Landfill Cap	2011-10-026	8/28/2011 10:15AM	Sunny, 75F					Active mowing of the cap
Landfill Cap	2011-10-027	8/28/2011 3:00PM	Sunny, 75F					Finished conditions of the landfill cap following mowing event. MW-2 well nest is visible
Stormwater Drainage (South)	2011-10-028	3/23/2012 2:30PM	Cloudy, 70F					Cattails and woody vegetation are present in the south drainage feature require removal.
Stormwater Drainage (South)	2011-10-029	3/23/2012 2:30PM	Cloudy, 70F					Woody vegetation in front of culvert in south drainage feature requires cutting and removal.
Stormwater Drainage (South)	2011-10-030	3/23/2012 2:30PM	Cloudy, 70F					Cattails and woody vegetation are present in the south drainage feature require removal.

Signature of Photographer: *R.P. Carney*

APPENDIX A
SITE PHOTOGRAPHS



2011-10-001: Erosion feature on northwest area of cap near GV-18 (Side View).



2011-10-002: Erosion feature on northwest area of cap near GV-18 (Top View).



2011-10-003: Animal burrow and woody root mass near GV-10.



2011-10-004: : Animal burrow and woody root mass near GV-11.



2011-10-005: Animal burrow near GV-12.



2011-10-006: MW-3S requires a new 2-inch expandable cap.



2011-10-007: MW-3D lock was damaged and replaced during inspection.



2011-10-008: MW-4D requires a new 2-inch expandable cap.



2011-10-009: MW-7B is flowing through weep hole and requires plugging. Lock was also replaced.



2011-10-010: MW-9S Lock was damaged and required replacement.



2011-10-011: MW-9D – Lock was damaged and required replacement.



2011-10-012: MW-10D – Well is self-purging and requires plugging.



2011-10-013: MW-10I protective casing hinge is broken, lock required replacement, and well needs a new expandable top



2011-10-014 – MW-10S protective casing requires a new hinge.



2011-10-015: MW-13I is self-purging and requires plugging. Lock was damaged and required replacement.



2011-10-016: MW-13S protective casing requires a new hinge.



2011-10-017 : MW-13D protective casing is covered in moss. Lock was damaged and replaced. Well is self purging.



2011-10-018 : MW-14I requires a new two-inch expandable cap.



2011-10-019 : : MW-15D requires a new two-inch expandable cap. Lock was damaged and required replacement.



2011-10-020 : OW-1 is self-purging, showing signs of flowing at the concrete well foundation. Requires plugging. Lock was damaged and required replacement.



2011-10-021 : EW-1 locking ring at the top of casing requires repair.



2011-10-022 : EW-1 lock was missing and required replacement



2011-10-023 : GMP-2 protective casing requires a new hinge.



2011-10-024 : Conditions of the landfill cap prior to the mowing event. MW-2 well nest is visible.



2011-10-025: "Before and after" conditions during the mowing event.



2011-10-026: Active mowing of the cap.



2011-10-027: Finished conditions of the landfill cap following mowing event. MW-2 well nest is visible.



2011-10-028: Cattails and woody vegetation in the south drainage feature.



2011-10-029: Woody vegetation in front of culvert in south drainage feature.



2011-10-030: Cattails and woody vegetation in the south drainage feature.

APPENDIX B
SEMI-ANNUAL INSPECTION FORM
OCTOBER 2011

**Operation and Maintenance Semi Annual Inspection Report
Stoughton City Landfill
Stoughton, Wisconsin**

Inspector N. Carney
 Company Ayres Assoc.
 Project 17-0270.10
 Location Stoughton City LF
 Date/Time Oct. 30 2011 4PM
 Project No. 17-0270.10

Weather	Clear	P. Cloudy	<u>Cloudy</u>	Fog
Temperature	High <u>49°</u>	<u>(F)</u>	---	---
Wind	Calm	<u>Medium</u> (0 MPH)	High	---
Precipitation	<u>Rain</u>	Light	Moderate	Heavy
	Snow	Light	Moderate	Heavy

Intermittent Light Rain

Type of Inspection Routine Special

Persons/Equipment Present: Neil Carney

General Description of Site Conditions: Cap appears to be in good condition. Excellent coverage and density of vegetation. Some animal burrows and weedy vegetation are present. One erosion gully observed on NW side of cap. Cattails and other vegetation is present in South stormwater drainage area.

Specific Inspection Items	Potential Problem Areas	Status *	Notes
Perimeter Security Fencing	Broken or missing wood slats, torn chain link fabric.	1	No broken slats, checks
Entrance Gate and Locking Mechanism	Lock broken/missing, mechanism inoperative.	1	No Issues
Monitoring Wells and Wellhead Covers	Signs of tampering, casing damaged, lock missing.	2	Several damaged casings and locks, some locks replaced
Final Cover Vegetation	Bare spots, stressed vegetation, deep rooted vegetation.	1	Excellent Condition
Final Cover Slope (explain below)	Gullies, lack of vegetation, subsidence, ponding.	2	one minor gully observed on NW side
Evidence of Burrowing Animals	Damage to final cover, evidence of waste.	2	Burrows near G010, G011, and G012
Stormwater Drainage Channels	Gullies, erosion, debris, culvert blocked.	2	Cattails and vegetation in South drainage
Landfill Gas Venting System	Damaged or blocked vent risers, stressed vegetation.	1	Good Condition
Access Road	Ponding, rutting, erosion.	1	Good Condition
Cover Mowing and Tall Vegetation	Mowing and tall vegetation removal done to specified vegetation	1	Mowing Complete
Removal (October Inspection Only)	height, any missed areas	1	to specified height

* (1) Acceptable - No Maintenance Required. (2) Not Acceptable - Identify Required Maintenance.

Summary of Deficiencies and/or Corrective Actions: Will develop summary table for reference to note deficiencies.

Signature of Inspector Neil Carney

Date 30 - Oct - 2011

APPENDIX C
BI-MONTHLY GAS MONITORING FORMS

Gas Probe Monitoring Report
Stoughton City Landfill
Stoughton, Wisconsin

Probe	%LEL (as methane)	% Oxygen	%CO2	PID (ppm)	Pressure (inches of water)
GMP-1	0%	21.3	0.4	0.0	-0.06
GMP-2	0%	18.9	2.2	0.0	-0.05
GMP-3	0%	21.5	0.0	0.0	-0.06

Instruments Used: GEM-2000, Thermo 580B OVM

Operator: Neil Carney

Date: 7-6-2011

Weather Conditions:

Barometric Pressure (inches of Hg): 29.02 Temperature (Degrees F): 79

Relative Humidity (%): ~40% Dewpoint (Degrees F): 50° Wind: ~10 MPH

Sky Conditions: Partly Cloudy

Ground Conditions:

Snow No Snow Frozen Ground/Frost

Gas Probe Monitoring Report
Stoughton City Landfill
Stoughton, Wisconsin

Probe	%LEL (as methane)	% Oxygen	%CO2	PID (ppm)	Pressure (inches of water)
GMP-1	0.00	19.7	0.02	0.00	0985 mb
GMP-2	0.00	18.2	2.2	0.00	0985 mb
GMP-3	0.00	16.4	4.4	0.00	0985 mb

Instruments Used: GEM-2000, Thermo 580B OVM

Operator: Neil Carney

Date: Aug 29, 2011

Weather Conditions:

Barometric Pressure (inches of Hg): 30.01 Temperature (Degrees F): 78°

Relative Humidity (%): 35% Dewpoint (Degrees F): 51° Wind: 5 MPH

Sky Conditions: Sunny

Ground Conditions:

Snow No Snow Frozen Ground/Frost

Gas Probe Monitoring Report
Stoughton City Landfill
Stoughton, Wisconsin

Probe	%LEL (as methane)	% Oxygen	%CO2	PID (ppm)	Pressure (inches of water) ^{Hg}
GMP-1	0.0	20.6	0.9	0.0	28.97
GMP-2	0.0	19.9	1.5	0.0	28.97
GMP-3	0.0	19.8	1.8	0.0	28.97

Instruments

Used: GEM 2000, Thermo 580B 0014

Operator: Neil Carnay

Date: Oct. 30, 2011

Weather Conditions:

Barometric Pressure (inches of Hg): 29.81 Temperature (Degrees F): 49°F

Relative Humidity (%): 75% Dewpoint (Degrees F): 41°F Wind: 5-10 MPH

Sky Conditions: Overcast / Cloudy

Ground Conditions:

Snow No Snow Frozen Ground/Frost