

**ASSESSMENT/DETECTION MONITORING REPORT**

FOR THE

**ALLEGHANY COUNTY MUNICIPAL  
SOLID WASTE LANDFILL (CLOSED)**

SPARTA, NORTH CAROLINA

JANUARY 11, 2010

**Permit #** 03-03-T

**Land Use:** Municipal Solid Waste Landfill.

**Prop. Owner:** Alleghany County  
348 South Main Street  
Sparta, North Carolina 28675  
(336) 372-4179

**Site Operator:** Alleghany County  
348 South Main Street  
Sparta, North Carolina 28675  
(336) 372-4179

**Date:** January 11, 2010

**Nat. of Release:** Suspected hydrocarbon leachate discharge from  
landfill disposal

**Coordinates:** Latitude(North): 36° 29' 26" N  
Longitude(West): 81° 08' 58" W

**Prepared By:** Applied Resource Management, PC  
257 Transfer Station Road  
P. O. Box 882  
Hampstead, North Carolina 28443  
(910) 270-2919  
Fax (910) 270-2988



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**ASSESSMENT/DETECTION MONITORING REPORT  
FOR THE  
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SOLID WASTE LANDFILL (CLOSED)  
SPARTA, NORTH CAROLINA  
PERMIT # 03-03-T**

**PREPARED FOR:**

**ALLEGHANY COUNTY  
SPARTA, NORTH CAROLINA**

**JANUARY 11, 2010**

**1.0 SUMMARY OF SAMPLING RESULTS**

**1.1 Summary of Analytical Results and Free Product Thicknesses**  
(Refer to Tables 1, 2, and Appendix A)

As summarized on the referenced tables, several sampling events have been conducted at the site on a semi-annual schedule. This event included the sampling of the four original monitoring wells (MW-1, MW-2, MW-3, MW-4), two stream samples ST-1 and ST-2, and the most recently installed well, MW-5. Figure 1 is a Site Map With Monitoring Well And Stream Sample Locations. A Semi-Annual Monitoring Well, Methane Screening, And Stream Sampling Data Summary is provided in Table 1. Quarterly Methane Monitoring is summarized in Table 2. A Historical Groundwater Sampling Results Summary is provided in Table 3. Review of the current analytical results indicate a low level hydrocarbon concentration of vinyl chloride (0.360 ppb estimated), exceeding the NCAC 02L Groundwater Standard 0.015 ppb at monitoring well MW-3. All other monitoring wells were found to be compliant. Historical results have revealed both MW-1 and MW-3 to contain alternating compliant and non-compliant vinyl chloride concentrations. Benzene concentrations at MW-1 have ranged from 1.34 to 5.02 ppb. The newly installed delineation well, MW-5, located between MW-1 and Vile Creek, has consistently revealed all target compounds to be compliant. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles. Also, five surrounding domestic water supply well samples were found to be compliant during the July, 2008 monitoring event. Appendix I metal cadmium was detected above the Groundwater Protection Standard (GPS) at MW-2. Cobalt was also found above the GPS at MW-3, MW-5, and stream sample ST-2. It should be noted that methylene chloride was detected in the associated trip blank below the reporting limit, but above the method

detection limit. It was also detected in monitoring wells MW-1 thru MW-5, and stream sample ST-2 at similar concentrations, although none were found to exceed the appropriate standards. This compound is a common laboratory solvent and the detections may be due to the background concentration found in the trip blank.

Methane monitoring conducted during this event revealed low level methane concentrations in wells MW-1 at 40 ppm and MW-2 at 60 ppm. All other monitoring wells revealed no measurable methane concentrations (see Table 1). Historically, low level methane readings have been found in the wells ranging from 0 to 120 ppm. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed a methane concentration range from 1,750 to 4,360 ppm with a LEL range from 10% to 20%. A Quarterly Methane Monitoring Data Summary is provided in Table 2.

### **Results of Well Gauging**

A semi-annual monitoring well and stream sampling data summary is presented in Table 1. Depth to the groundwater table, as measured on 12/22/09, ranges from 3.05 to 32.70 feet.

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### **Sampling Methods and Results**

(Refer to Table 3 and Appendix A)

As part of this monitoring event, five monitoring wells, MW-1 thru MW-5, and two stream samples, ST-1 and ST-2, were collected. All of the monitoring well groundwater samples were analyzed for Appendix I Volatiles and Appendix I Metals. Review of historical results have shown low level hydrocarbon concentrations of benzene and vinyl chloride exceeding NCAC 02L Groundwater Standards at monitoring well MW-1. MW-3 historically revealed vinyl chloride concentrations above the State action limit during three of the previous sampling events, although three alternating previous events revealed vinyl chloride to be below quantitation limits. Most recent and current results for MW-3 show estimated non-compliant concentrations of vinyl chloride at 0.320 ppb and 0.360 respectively. Benzene concentrations at MW-1 have ranged from 1.34 to 5.02 ppb, slightly exceeding the State action limit 1 ppb. This event revealed a compliant benzene concentration below the laboratory quantitation limit. The newly installed delineation well, MW-5, located between MW-1 and Vile Creek, has revealed consecutive compliant hydrocarbon concentrations. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles. The Appendix I metal cadmium has appeared above the GPS within one monitoring well, MW-2. Cobalt was found above the GPS at wells MW-3,

MW-5, and stream sample ST-2 respectively. Methylene chloride was detected in wells MW-1 thru MW-5, and stream sample ST-2 at concentrations below any of the appropriate standards. This compound was also detected in the trip blank sample at 0.400 ppb. Laboratory results are enclosed as Appendix A.

Methane monitoring was conducted at the site utilizing a Gas Tech GT 201 and PHD Plus atmospheric monitors. Low level methane concentrations were found at MW-1 and MW-2. No measurable methane concentrations were detected in any of the remaining monitoring wells during this event. Historically, the monitoring wells were found to contain low level methane readings ranging from 0 to 120 ppm. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed methane concentrations ranging from 1,750 to 4,360 ppm with a LEL ranging from 10% to 20%.

**1.2 Proximity of the Plume to the Nearest Receptor**  
(Refer to Figure 2)

Sensitive receptors of contamination, as defined by the NCDENR, include groundwater supply wells and subsurface building structures, as well as any potential for adverse impact to humans, plants, or animals. Five surrounding water supply wells were identified by Alleghany County personnel within a 500 foot buffer of the former landfill. Figure 2 is a Site Map With Domestic Well Locations. A summary of surrounding water wells are as follows:

WELL #	OWNER/ADDRESS	WELL TYPE/USE	MUNICIPAL WATER AVAILABLE	MUNICIPAL WATER CONNECTION	APPROXIMATE DISTANCE FROM SOURCE AREA OF RELEASE (ft.)
1	Alleghany County P.O. Box 366 Sparta, NC 28675	Drinking & Irrigation	NO	NO	<200'
2	Marry Perry 501 Osborne Road Sparta, NC 28675	Drinking & Irrigation	NO	NO	490'
3	Mary & Rick Perry 464 Osborne Road Sparta, NC 28675	Drinking & Irrigation	NO	NO	420'
4	Billy Dale Alley 264 Osborne Road Sparta, NC 28675	Drinking & Irrigation	NO	NO	420'

5	Edwin & Laura Bloodworth 231 Osborne Road Sparta, NC 28675	Drinking & Irrigation	NO	NO	400'
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**1.3 Description of Current Plume Size**

Review of historical results have shown low level hydrocarbon concentrations of benzene and vinyl chloride exceeding NCAC 02L Groundwater Standards at monitoring well MW-1. Also, MW-3 has revealed vinyl chloride above the State action limit during some of the previous sampling events, although alternating previous events revealed vinyl chloride concentrations below quantitation limits. This event and two previous events have shown a low level, non-compliant estimated vinyl chloride concentration. The newly installed delineation well, MW-5, located between MW-1 and Vile Creek, has revealed consecutive compliant hydrocarbon concentrations. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles. Due to the low estimated vinyl chloride concentration in MW-3 at 0.360 ppb, the fact that several previous alternating events showed vinyl chloride below quantitation limits at the same well, and the fact that all other monitoring and streams samples were compliant, no plume maps were prepared.

**1.4 Groundwater Flow Direction**  
(Refer to Figure 3)

As presented on Figure 3, groundwater flow appears to be toward the southeast under the site.

**1.5 Predictive Rate of Contaminant Transport**

As shown on Figure 3, an overall groundwater flow toward the southeast was identified within the area of investigation. A hydraulic gradient (dh/dl) of 5.1% was calculated between MW-2 and MW-3. No slug testing or other hydrogeological testing has been conducted as of this date. In the event concentrations significantly increase or begin to appear within downgradient wells, additional hydrogeological analyses could become necessary.

**2.0 CONCLUSIONS AND RECOMMENDATIONS**

Review of historical results have shown low level hydrocarbon concentrations of benzene and vinyl chloride exceeding NCAC 02L Groundwater Standards at monitoring well MW-1. MW-3 historically revealed vinyl chloride above the State action limit during three of the previous sampling events, although

several previous alternating events showed vinyl chloride below quantitation limits at the same well. This event revealed a non-compliant estimated concentration at 0.360 ppb for MW-3. Benzene concentrations at MW-1 have ranged from 1.34 to 5.02 ppb. This event revealed a compliant benzene concentration below the laboratory quantitation limit. The newly installed delineation well, MW-5, located between MW-1 and Vile Creek, has consistently revealed compliant hydrocarbon concentrations. All other monitoring wells and stream samples collected during this event and previous events were found to be compliant for Appendix I Volatiles. In addition, five surrounding domestic water supply wells revealed compliant hydrocarbon concentrations during a previous July, 2008 monitoring event. No water supply wells were sampled during this event.

Historical methane monitoring at the site revealed the monitoring wells to contain low level methane readings ranging from 0 to 120 ppm. This event revealed low methane levels at MW-1 and MW-2 respectively. All other monitoring wells revealed 0 ppm methane. LEL readings were consistent at 0%. The methane well, located in the central portion of the landfill, revealed methane concentrations ranging from 1,750 to 4,360 ppm with a LEL ranging from 10% to 20%.

It is recommended that the groundwater monitoring program continue on a semiannual basis. Methane monitoring should continue to be conducted quarterly.

### **3.0 REFERENCES**

North Carolina Department of Environment and Natural Resources, NC Solid Waste Program. Requirements For Municipal Solid Waste Landfill Facilities (MSWLFs).

North Carolina Department of Environmental and Natural Resources, March 2007. Ground Water Section Guidelines for the Investigation and Remediation of Soil and Ground Water.

# **TABLES**

**TABLE 1**  
**SEMI-ANNUAL MONITORING WELL, METHANE SCREENING,**  
**AND STREAM SAMPLING**  
**DATA SUMMARY**

**ALLEGHANY COUNTY**  
**CLOSED MSWLF**

**DECEMBER 22, 2009**

<b>SAMPLE</b>	<b>WELL DEPTH IN FEET</b>	<b>TOP OF CASING ELEVATION</b>	<b>DEPTH TO WATER IN FEET</b>	<b>GROUND WATER TABLE ELEVATION</b>	<b>BAILS REQ'D</b>	<b>QUANTITY PURGED IN GALLONS (Three Volumes)</b>	<b>pH</b>	<b>TEMP. IN F°</b>	<b>SPEC. CONDUCT IN umhos</b>	<b>METHANE GAS LEL/ PPM</b>
MW-1	36	3,023.25	8.89	3,014.36	54	13.08	5.82	45.5	64.7	0/40
MW-2	29	3,023.77	3.05	3,020.72	52	12.45	6.48	46.3	34.6	0/60
MW-3	51	3,086.00*	32.70	3,053.30	37	8.17	4.91	47.6	83.0	0/0
MW-4	42	3,063.06	18.32	3,044.74	47	10.96	5.27	47.5	66.8	0/0
MW-5	19	3,012.92	7.29	3,005.63	24	5.74	5.80	51.08	18.3	0/0
METHANE WELL	Approx 160	NA	NA	NA	NA	NA	NA	NA	NA	10%-20%/ 1,750-4,360
ST-1	NA	NA	NA	NA	NA	NA	8.72	43.4	24.3	NA
ST-2	NA	NA	NA	NA	NA	NA	7.73	47.3	71.4	NA

**NOTES:**

MW = Monitoring Well Sample

ST = Stream Sample

NA = Not Applicable

Methane Monitoring Conducted With Gas Tech And PHD Plus Atmospheric Monitor

\* = Assumed Benchmark Elevation At MW-3 Adjusted From GPS

TABLE 2

**QUARTERLY METHANE MONITORING  
DATA SUMMARY**

**ALLEGHANY COUNTY  
CLOSED MSWLF**

SAMPLE LOCATION	DATE	WELL DEPTH IN FEET	METHANE GAS LEL	METHANE GAS PPM
MW-1	12/17/2008	36	0	120
MW-2	12/17/2008	29	0	10
MW-3	12/17/2008	51	0	20
MW-4	12/17/2008	42	0	80
MW-5	12/17/2008	19	0	0
METHANE WELL	12/17/2008	Approx 160	5%-13%	3,200-6,500
MW-1	3/19/2009	36	0	0
MW-2	3/19/2009	29	0	0
MW-3	3/19/2009	51	0	0
MW-4	3/19/2009	42	0	0
MW-5	3/19/2009	19	0	0
METHANE WELL	3/19/2009	Approx 160	5%-12%	2,700-7,000
MW-1	6/2/2009	36	0	0
MW-2	6/2/2009	29	0	0
MW-3	6/2/2009	51	0	0
MW-4	6/2/2009	42	0	0
MW-5	6/2/2009	19	0	0
METHANE WELL	6/2/2009	Approx 160	3%-18%	1,200-9,500
MW-1	9/15/2009	36	NM*	NM*
MW-2	9/15/2009	29	NM*	NM*
MW-3	9/15/2009	51	NM*	NM*
MW-4	9/15/2009	42	NM*	NM*
MW-5	9/15/2009	19	NM*	NM*
METHANE WELL	9/15/2009	Approx 160	NM*	NM*
MW-1	12/22/2009	36	0	40
MW-2	12/22/2009	29	0	60
MW-3	12/22/2009	51	0	0
MW-4	12/22/2009	42	0	0
MW-5	12/22/2009	19	0	0
METHANE WELL	12/22/2009	Approx 160	10%-20%	1,750-4,360

NM\* = Not measured due to equipment malfunction

TABLE 3

HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL  
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	SWSQL	MW-1								MW-2								MW-3								
				DATE SAMPLED	12/20/06	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09
<i>Appendix I Volatiles &amp; Appendix I Metals (Concentrations in ug/L)</i>																												
ACETONE	700	NE	100	12.8	3.45 J	BQL	5.58 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	4.19 J	NA	5.93 J	BQL	5.36J	BQL	BQL	
BENZENE	1	NE	3	BQL	1.34 J	5.02	4.91	1.62	BQL	2.17	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.370	NA	0.330 J	NA	0.360 J	0.440 J	0.300J	0.250 J	0.340 J
2-BUTANONE	4,200	NE	100	BQL	BQL	BQL	1.68 J	BQL	BQL	BQL	BQL	BQL	BQL	1.70 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	2.65 J	BQL	BQL	BQL	BQL	
CARBON DISULFIDE	700	700	100	BQL	1.38 J	BQL	0.440 J	BQL	BQL	BQL	BQL	BQL	BQL	3.96 J	1.42 J	BQL	BQL	BQL	BQL	BQL	NA	15.9 J	NA	0.850 J	BQL	BQL	BQL	0.730 J
CHLOROBENZENE	50	NE	3	BQL	BQL	BQL	0.130 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	
CHLOROETHANE	2,800	2,800	10	BQL	1.77 J	BQL	4.73	2.04 J	BQL	2.13 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.76	NA	1.36 J	NA	0.850 J	1.56 J	1.15J	0.790 J	0.990 J
CHLOROMETHANE	2.6	2.6	5.5	BQL	BQL	BQL	0.310 J	BQL	BQL	0.250 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
1,2-DICHLOROENZENE	24	NE	5	BQL	BQL	BQL	0.490 J	0.180 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
1,4-DICHLOROENZENE	1.4	NE	3	BQL	BQL	BQL	2.62 J	1.21 J	BQL	0.990 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
1,1-DICHLOROETHANE	70	NE	5	BQL	0.600 J	BQL	2.79 J	1.08 J	BQL	0.630 J	BQL	0.640	1.32 J	1.44 J	2.51 J	2.32J	2.10 J	2.43 J	0.750	NA	0.640 J	NA	0.660 J	0.750 J	0.490J	0.340 J	0.450 J	
1,1-DICHLOROETHENE	7	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.290 J	0.340 J	0.240J	0.340 J	0.390 J	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
CIS-1,2-DICHLOROETHENE	70	NE	5	BQL	2.46 J	8.77	7.19	3.04 J	BQL	2.92 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.86	NA	2.29 J	NA	2.77 J	3.39 J	2.29J	1.89 J	2.68 J
1,2-DICHLOROPROPANE	0.51	NE	3	BQL	BQL	BQL	0.150 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
ETHYLBENZENE	550	NE	5	BQL	BQL	BQL	0.300 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	
METHYLENE CHLORIDE	4.6	NE	5.5	BQL	BQL	BQL	1.85 J	1.47	0.180J	0.450 J	0.290 J	0.660	1.22 J	1.64 J	2.38	2.68	1.93	2.38	0.240	NA	BQL	NA	0.320 J	0.610 J	0.610J	0.770 J	0.870 J	
TETRACHLOROETHENE	0.7	NE	3	BQL	BQL	BQL	0.540 J	0.240 J	BQL	0.150 J	BQL	BQL	BQL	BQL	0.160 J	BQL	0.170 J	0.170 J	0.530	NA	0.500 J	NA	0.460 J	0.490 J	0.330J	0.250 J	0.200 J	
1,1,1-TRICHLOROETHANE	200	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.950	1.38 J	1.27	1.69	1.29J	1.26	1.38	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	
TRICHLOROFLOUROMETHANE	2,100	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.60	2.99 J	2.36 J	3.88	2.84	2.74	3.22	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	
TOLUENE	1,000	NE	5	BQL	BQL	BQL	0.860 J	0.170 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.200	NA	BQL	NA	BQL	0.200 J	0.790J	BQL	BQL
TRICHLOROETHENE	2.8	NE	3	BQL	0.370 J	BQL	1.33 J	0.630 J	BQL	0.330 J	BQL	BQL	BQL	BQL	0.220 J	0.250 J	0.220J	0.230 J	0.300 J	0.490	NA	0.430 J	NA	0.420 J	0.560 J	0.410J	0.290 J	0.310 J
VINYL CHLORIDE	0.015	NE	5.5	BQL	0.410 J	BQL	1.27 J	0.540 J	BQL	0.470 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.500	BQL	0.370 J	BQL	0.430 J	BQL	0.960J	0.320 J	0.360 J
TOTAL XYLENE	530	NE	4	BQL	BQL	BQL	1.58 J	0.160 J	BQL	0.140 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
ALL OTHER COMPOUNDS	Varies	Varies	Varies	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.

BQL = Below Quantitation Limits

ug/L = parts per billion

NE = not established

GWP = Groundwater Protection Standard

SWSQL = Solid Waste Section Quantitation Limit

NA = Not Analyzed

J = Estimated Concentration

TABLE 3

HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL  
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	SWSQL	MW-4					MW-5				ST-1					ST-2									
				DATE SAMPLED	12/20/06	6/14/07	12/22/07	7/2/08	12/18/08 6/2/09	12/22/09	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	6/14/07	12/22/07	7/2/08 12/18/08 6/2/09	12/22/09	
<i>Appendix I Volatiles &amp; Appendix I Metals (Concentrations in ug/L)</i>																											
ACETONE	700	NE	100	BQL	BQL	1.51 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	1.43 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	3.05 J	BQL	BQL
BENZENE	1	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-BUTANONE	4,200	NE	100	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
CARBON DISULFIDE	700	700	100	BQL	6.03 J	0.070 J	BQL	BQL	0.340 J	BQL	BQL	BQL	BQL	BQL	0.810 J	0.420 J	BQL	BQL	BQL	0.350 J	BQL	7.71	0.150 J	BQL	BQL	BQL	
CHLOROBENZENE	50	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
CHLOROETHANE	2,800	2,800	10	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
CHLOROFORM	70	NE	5	BQL	BQL	BQL	BQL	BQL	0.210 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
CHLOROMETHANE	2.6	2.6	5.5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,2-DICHLOROETHANE	24	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,4-DICHLOROETHANE	1.4	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1-DICHLOROETHANE	70	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1,1-DICHLOROETHENE	7	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
CIS-1,2-DICHLOROETHENE	70	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.110J	BQL	0.100 J	BQL	BQL	BQL	BQL	BQL	BQL
1,2-DICHLOROPROPANE	0.51	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
ETHYLBENZENE	550	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
METHYLENE CHLORIDE	4.6	NE	5.5	BQL	BQL	BQL	BQL	BQL	0.270 J	BQL	0.160	BQL	0.260 J	BQL	BQL	BQL	BQL	BQL	BQL	0.410 J	BQL	BQL	BQL	BQL	BQL	BQL	0.230 J
TETRACHLOROETHENE	0.7	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
I,I,I-TRICHLOROETHANE	200	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
TRICHLOROFLOUROMETHANE	2,100	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
TOLUENE	1,000	NE	5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
TRICHLOROETHENE	2.8	NE	3	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
VINYL CHLORIDE	0.015	NE	5.5	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
TOTAL XYLENE	530	NE	4	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
ALL OTHER COMPOUNDS	Varies	Varies	Varies	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Shaded areas represent concentrations exceeding the NCAC 02L Groundwater Standards or Solid Waste Groundwater Protection Standard.

BQL = Below Quantitation Limits

ug/L = parts per billion

NE = not established

GWP = Groundwater Protection Standard

SWSQL = Solid Waste Section Quantitation Limit

NA = Not Analyzed

J = Estimated Concentration

U = Undetected

TABLE 3 (Continued)

HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL  
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	SWSQL	MW-1									MW-2							
				DATE SAMPLED	12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09
<i>APPENDIX I METALS Concentrations in mg/l (ppm)</i>																				
ARSENIC	0.050	NE	0.010	BQL	BQL	BQL	BQL	BQL	0.00886JB	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00438JB	BQL	BQL	BQL
BARIUM	2.0	NE	0.10	0.0463	NA	0.0459	NA	0.0270 JB	0.0786JB	0.0205 J	0.0251 JB	0.0332 JB	0.0428	NA	0.0235	0.0274 JB	0.0342JB	0.0201 J	0.0220 JB	0.0342 JB
BERYLLIUM	NE	0.002	0.001	BQL	NA	0.00674	BQL	BQL	0.00594B	0.00143 B	BQL	BQL	BQL	NA	BQL	BQL	0.00635B	BQL	BQL	BQL
CADMIUM	0.00175	NE	0.001	0.00041	NA	0.00476	BQL	0.00018 J	0.000370J	BQL	0.000360 J	BQL	0.000530	NA	BQL	0.00014 J	BQL	BQL	BQL	0.00432
CHROMIUM	0.050	NE	0.010	0.00707	NA	0.00476	NA	0.00364 JB	0.00870JB	0.00226 JB	0.00298 JB	0.00496 JB	0.00570	NA	0.00392	0.00363 JB	0.00589JB	0.00172JB	0.00243 JB	0.00619 JB
COBALT	NE	0.002	0.010	0.00482	BQL	0.00356	BQL	BQL	0.00626J	BQL	0.00525 JB	BQL	0.00235	BQL	BQL	BQL	BQL	BQL	0.00403 JB	BQL
COPPER	1.0	NE	0.010	0.0118	NA	0.00404	NA	0.00443 JB	0.00803J	0.00633JB	0.00725 JB	0.00742 JB	0.00908	NA	0.00371	0.00244 JB	0.00448J	0.00343JB	0.00625 JB	0.00779 JB
LEAD	0.015	NE	0.010	BQL	NA	BQL	NA	0.0051JB	0.00812JB	BQL	0.00904 J	BQL	0.00310	NA	BQL	0.00597 JB	0.00912JB	BQL	BQL	BQL
NICKEL	0.10	NE	0.050	0.00589	NA	BQL	NA	BQL	BQL	BQL	0.00448 J	BQL	0.00459	NA	BQL	BQL	BQL	BQL	BQL	BQL
SELENIUM	0.050	NE	0.010	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	0.0107	NA	BQL	BQL	BQL	BQL	BQL	BQL
SILVER	0.0175	NE	0.010	0.00546	NA	BQL	NA	BQL	0.00422JB	0.00106JB	0.00559 JB	0.00290 JB	0.00595	NA	BQL	BQL	0.00325JB	0.00122JB	0.00527 JB	0.00286 JB
THALLIUM	NE	2.0	0.0055	BQL	NA	BQL	NA	BQL	0.0102	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL
VANADIUM	NE	0.025	0.025	0.00803	NA	BQL	NA	BQL	BQL	0.0113 J	0.00656 JB	0.00375	0.00485	NA	BQL	BQL	BQL	0.00213J	0.00452 JB	0.00493
ZINC	1.050	NE	0.010	0.0130	NA	0.0221	NA	0.00399	0.0155B	0.00697J	0.00682 J	0.0106 B	0.00859	NA	0.00831	0.00413 J	0.00605JB	BQL	BQL	0.0370 B

Shaded areas represent non compliant concentrations.

BQL = Below Quantitation Limits

ppm = parts per million

NE = Not Established

NA = Not Analyzed

J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit

B = Compound Also Detected In Batch Blank, Amount in Prep Blank > MDL

TABLE 3 (Continued)

HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY

ALLEGHANY COUNTY LANDFILL  
SPARTA, NORTH CAROLINA

ANALYTE	NCAC 02L STD.	GWP STD.	SWSQL	MW-3									MW-4								MW-5				
				DATE SAMPLED	12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	7/2/08	12/18/08	6/2/09	12/22/09
<i>APPENDIX I METALS Concentrations in mg/l (ppm)</i>																									
ARSENIC	0.050	NE	0.010	BQL	BQL	BQL	BQL	BQL	0.00559JB	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00350JB	BQL	BQL	BQL	0.00761JB	BQL	BQL	BQL	
BARIUM	2.0	NE	0.10	0.192	NA	0.259	NA	0.295 B	0.307B	0.309	0.341 B	0.326 B	0.117	NA	0.102	0.108 B	0.126B	0.115	0.108 B	0.123 B	0.195B	0.0267 J	0.238 JB	0.0346 JB	
BERYLLIUM	NE	0.002	0.001	0.000400	NA	0.00157	NA	BQL	0.00290B	BQL	0.00107	0.000590 J	BQL	NA	0.00191	BQL	0.00483B	BQL	BQL	BQL	0.00786B	0.00772 B	BQL	BQL	
CADMIUM	0.00175	NE	0.001	BQL	NA	BQL	NA	0.00022 J	BQL	BQL	BQL	BQL	BQL	NA	BQL	0.00020 J	BQL	0.000140J	BQL	BQL	0.00041J	BQL	BQL	BQL	
CHROMIUM	0.050	NE	0.010	0.00560	NA	0.00381	NA	0.00353 JB	0.00607JB	0.00240JB	0.00314 JB	0.00507 JB	0.00522	NA	0.00329	0.00294 JB	0.00589JB	0.00213JB	0.00227 JB	0.00473 JB	0.0168B	0.00158 JB	0.00251 JB	0.00496 JB	
COBALT	NE	0.002	0.010	0.00484	BQL	0.00483	BQL	BQL	0.00551J	BQL	0.0107 B	0.0103	0.00300	BQL	BQL	BQL	BQL	BQL	0.00396 JB	0.00185 J	0.0186	0.00947 J	0.00541 JB	0.00281 J	
COPPER	1.0	NE	0.010	0.00905	NA	0.00359	NA	0.00239 JB	0.00509J	0.00352JB	0.00689 JB	0.00605 JB	0.00891	NA	0.00270	0.00249 JB	0.00480J	0.00357JB	0.00664 JB	0.00590 JB	0.0139	0.00310 JB	0.00683 JB	0.00608 JB	
LEAD	0.015	NE	0.010	0.00372	NA	BQL	NA	0.00546 JB	BQL	0.00542 J	0.00848 J	BQL	0.00124	NA	BQL	0.00770 JB	BQL	BQL	0.00702 J	BQL	0.0156B	BQL	0.00805 J	BQL	
NICKEL	0.10	NE	0.050	0.00784	NA	BQL	NA	BQL	BQL	BQL	0.00448 J	BQL	0.00422	NA	BQL	BQL	BQL	BQL	0.00276 J	BQL	0.0274J	0.00560 J	0.00267 J	BQL	
SELENIUM	0.050	NE	0.010	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	0.00509 J	0.00917	NA	BQL	BQL	BQL	BQL	BQL	0.00439 J	BQL	BQL	BQL	BQL	
SILVER	0.0175	NE	0.010	0.00605	NA	BQL	NA	BQL	0.00324JB	BQL	0.00471 JB	0.00217 JB	0.00611	NA	BQL	BQL	0.00317JB	0.00126JB	0.00508 JB	0.00309 JB	0.00265JB	0.00156 JB	0.00553 JB	0.00292 JB	
THALLIUM	NE	2.0	0.0055	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	0.00627	BQL	BQL	BQL	BQL	BQL	BQL	BQL	
VANADIUM	NE	0.025	0.025	0.00511	NA	BQL	NA	BQL	BQL	0.0144 J	0.00862 JB	0.00352	0.00455	NA	BQL	BQL	BQL	0.0132 J	0.00704 JB	0.00264	0.0189J	0.0113 J	0.00945 JB	0.00363	
ZINC	1.050	NE	0.010	0.0137	NA	0.0185	NA	0.0190	0.0160B	0.0139	0.0204	0.0180 B	0.00706	NA	0.00720	BQL	0.00601JB	BQL	BQL	0.00628 JB	0.0703B	BQL	BQL	0.00864 JB	

Shaded areas represent non compliant concentrations.

BQL = Below Quantitation Limits

ppm = parts per million

NE = Not Established

NA = Not Analyzed

J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit

B = Compound Also Detected In Batch Blank

**TABLE 3 (Continued)**  
**HISTORICAL GROUNDWATER SAMPLE RESULTS SUMMARY**  
**ALLEGHANY COUNTY LANDFILL**  
**SPARTA, NORTH CAROLINA**

ANALYTE	NCAC 02L STD.	GWP STD.	SWSQL	ST-1									ST-2							
				DATE SAMPLED	12/20/06	2/27/07	6/14/07	7/27/07	12/22/07	7/2/08	12/18/08	6/2/09	12/22/09	12/20/06	2/27/07	6/14/07	12/22/07	7/2/08	12/18/08	6/2/09
<i>APPENDIX I METALS Concentrations in mg/l (ppm)</i>																				
ARSENIC	0.050	NE	0.010	BQL	BQL	BQL	BQL	BQL	0.00559JB	BQL	BQL	BQL	BQL	BQL	BQL	BQL	0.00503JB	BQL	BQL	BQL
BARIUM	2.0	NE	0.10	0.0570	NA	0.0339	NA	0.0434 JB	0.0336JB	0.0232 J	0.0328 JB	0.0403 JB	0.0378	NA	0.0222	0.0230 JB	0.0346JB	0.0176 J	0.0248 JB	0.0301 JB
BERYLLIUM	NE	0.002	0.001	BQL	NA	0.00627	BQL	BQL	0.00676B	BQL	BQL	BQL	BQL	NA	0.00627	BQL	0.00442B	0.00294 B	BQL	BQL
CADMIUM	0.00175	NE	0.001	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL
CHROMIUM	0.050	NE	0.010	0.00619	NA	0.00424	NA	0.00264 JB	0.00514JB	0.00254 JB	0.00330 JB	0.00552 JB	0.00353	NA	0.00403	0.00304 JB	0.00692JB	0.00186 JB	0.00314 JB	0.00485 JB
COBALT	NE	0.002	0.010	0.00510	BQL	0.00323	BQL	BQL	0.00315	BQL	0.00573 JB	0.00192 J	0.00353	BQL	BQL	BQL	0.00362J	BQL	0.00480 JB	0.00216 J
COPPER	1.0	NE	0.010	0.00939	NA	0.00549	NA	BQL	0.00537J	0.00368 JB	0.00649 JB	0.00573 JB	0.00908	NA	0.00380	0.00242 JB	0.00598J	0.00311 JB	0.00742 JB	0.00580 JB
LEAD	0.015	NE	0.010	0.00197	NA	BQL	NA	0.00689 JB	0.00558JB	0.00505 J	0.00903 J	BQL	0.00172	NA	BQL	0.00567	0.00988JB	0.00697 J	0.0105	BQL
NICKEL	0.10	NE	0.050	0.00649	NA	BQL	NA	BQL	0.00558J	BQL	BQL	BQL	0.00592	NA	BQL	BQL	BQL	BQL	0.00491 J	BQL
SELENIUM	0.050	NE	0.010	0.0127	NA	BQL	NA	BQL	BQL	BQL	BQL	0.00368 J	BQL	NA	BQL	BQL	BQL	BQL	BQL	0.00502 J
SILVER	0.0175	NE	0.010	0.00573	NA	BQL	NA	BQL	0.00333JB	0.00134 JB	0.00534 JB	0.00309 JB	0.00585	NA	BQL	BQL	0.00322JB	0.00114 JB	0.00561 JB	0.00279 JB
THALLIUM	NE	2.0	0.0055	BQL	NA	BQL	NA	BQL	BQL	BQL	BQL	BQL	BQL	NA	BQL	BQL	BQL	0.00611	BQL	BQL
VANADIUM	NE	0.025	0.025	0.00650	NA	0.00523	NA	BQL	BQL	0.00823 J	0.00776	0.00649	0.00307	NA	BQL	BQL	BQL	0.0127 J	0.00834 JB	0.00606
ZINC	1.050	NE	0.010	0.0141	NA	0.0248	NA	BQL	0.00740JB	0.00403 J	BQL	0.0132 B	0.0101	NA	0.0117	BQL	0.00632JB	BQL	0.00154 J	0.00458 JB

Shaded areas represent non compliant concentrations.

BQL = Below Quantitation Limits

ppm = parts per million

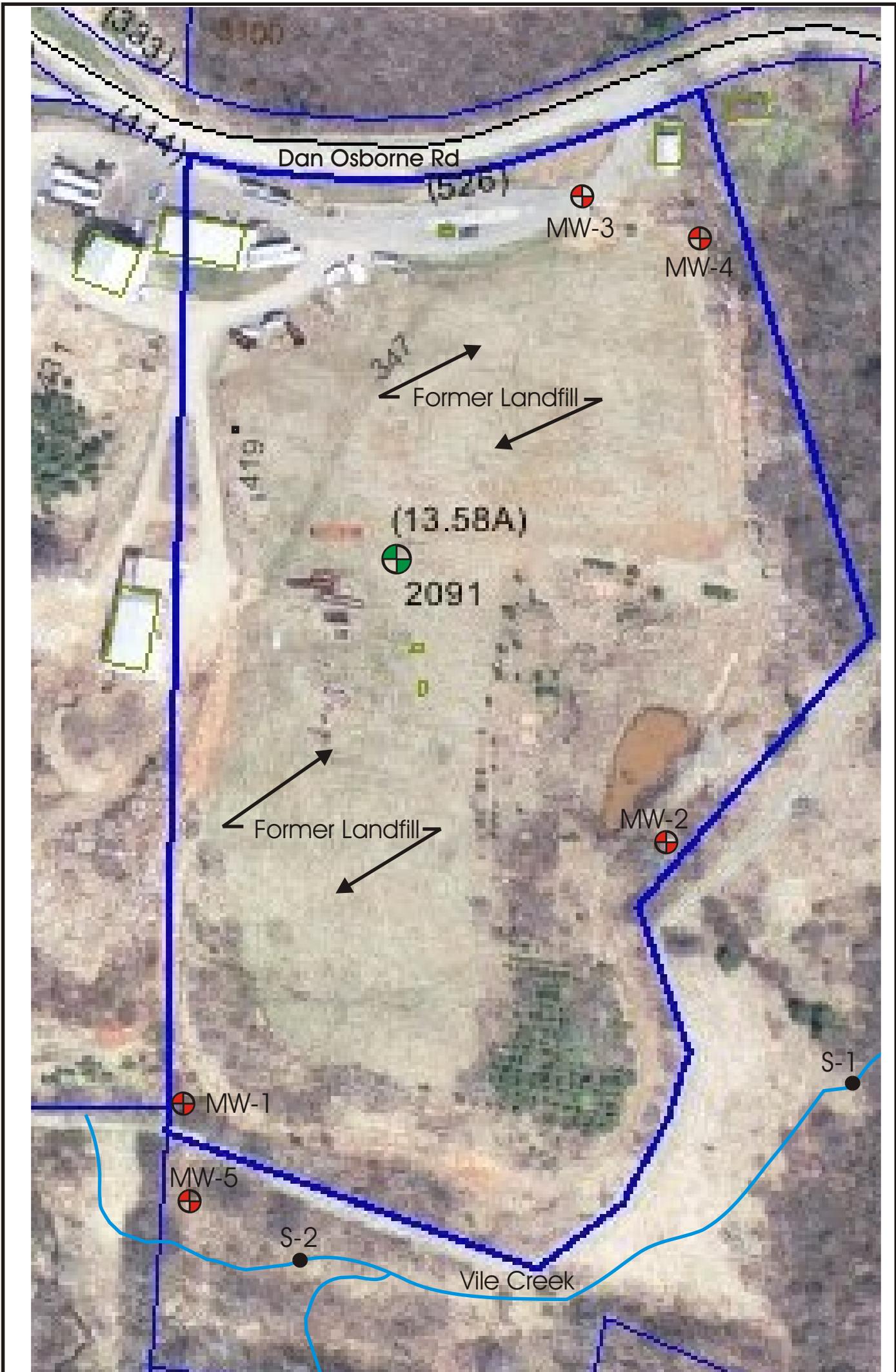
NE = Not Established

NA = Not Analyzed

J = Estimated Concentration, Below Calibration Range and Above Method Detection Limit

B = Compound Also Detected In Batch Blank

# FIGURES



Legend

-  Monitoring Well
-  Methane Well
-  Stream Sampling locations



Adapted from The Allegheny County  
GIS On-Line Department

 Applied Resource Management PC  
P.O. Box 882, Hampstead, NC 28443  
(910) 270-2919 FAX 270-2988

TITLE: SITE MAP WITH MONITORING WELL  
AND STREAM SAMPLE LOCATIONS

FIGURE:

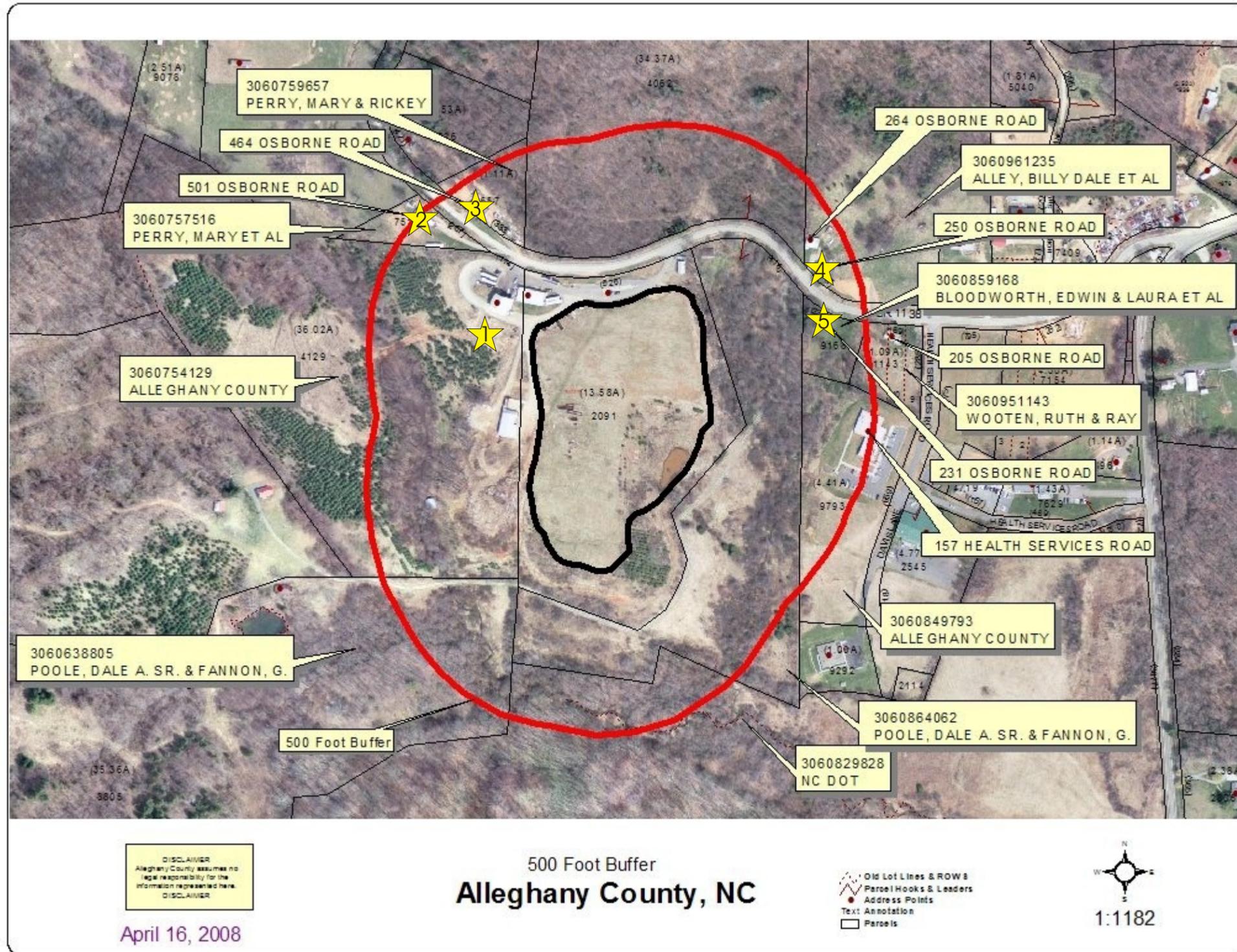
1

JOB:  
9625

SCALE:  
Approx:  
1" = 120'

DATE:  
7/16/08

DRAWN BY:  
KLC



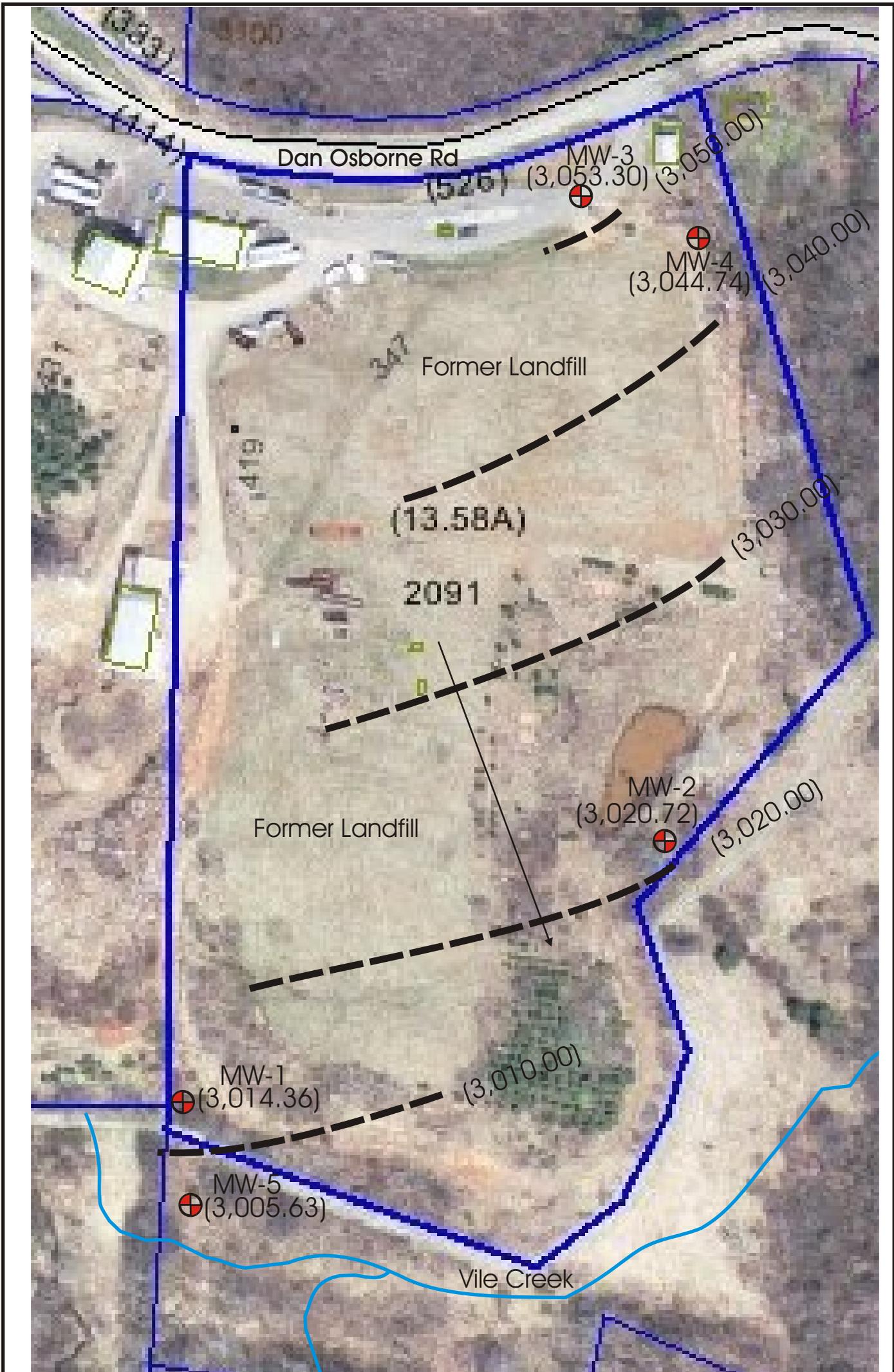
**Legend**

★ Surrounding Domestic Wells

Adapted from Map provided by Allegheny County Manager's Office

**Applied Resource Management PC**  
P.O. Box 882, Hampstead, NC 28443  
(910) 270-2919 FAX 270-2988

TITLE: <b>SITE MAP WITH DOMESTIC WELL LOCATIONS</b>				FIGURE: <b>2</b>
JOB: 9625	SCALE: As Shown	DATE: 6/2/08	DRAWN BY: KLC	



**Legend**

-  Monitoring Well
-  Groundwater Elevation In Feet AMSL, Adjusted From GPS
-  Contour Interval = 10'
-  Hydraulic Flow Direction

Adapted from The Allegheny County GIS On-Line Department



 Applied Resource Management PC  
 P.O. Box 882, Hampstead, NC 28443  
 (910) 270-2919 FAX 270-2988

TITLE: GROUNDWATER TABLE CONTOURS AS OF 12/22/09		FIGURE:	
JOB: 9625	SCALE: Approx: 1" = 120'	DATE: 1/8/09	DRAWN BY: KLC/JLZ

**3**

# **APPENDICES**

**APPENDIX A**

**LABORATORY REPORTS**



Joe Zuncich  
Applied Resource Management  
P.O. Box 882  
Hampstead, NC 28443

Report Number: G197-214

Client Project: Alleghany County Landfill

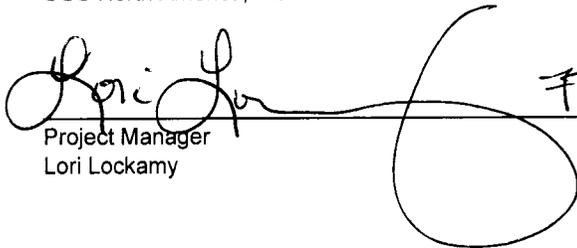
Dear Joe Zuncich,

Enclosed are the results of the analytical services performed under the referenced project for the received samples and associated QC as applicable. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or services performed during this project, please call Lori Lockamy at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS North America, Inc. for your analytical services. We look forward to working with you again on any additional analytical needs.

Sincerely,  
SGS North America, Inc.

A large, stylized handwritten signature in black ink, appearing to read 'Lori Lockamy', written over a horizontal line. To the right of the signature, the date '7 January 2010' is handwritten in black ink.

Project Manager  
Lori Lockamy

Date

**Case Narrative**

ARM

SGS Project: **G197-214**

Project Name: **Alleghany County Landfill**

**SGS North America; Inc.**

**January 7<sup>th</sup>, 2010**

- Seven water samples were accepted into the laboratory on December 23<sup>rd</sup>, 2009 at 1150 for analyses as indicated on the chain of custody. The samples were received in good condition, with a temperature of 2.0°C.
- All extractions and analyses were completed within holding time limits, with the following quality control exceptions.

8260; App. I Analysis

- The included Trip blank has a reported concentration for Methylene Chloride of 0.400 µg/L. Methylene Chloride was also detected in several of the samples at similar concentrations.

Craig R Tronzo  
Data Validation/QC



Date 1/7/10

SGS North America, Inc.

List of Reporting Abbreviations  
And Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantification Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

UJ = Target analytes with recoveries that are  $10\% < \%R < LCL$ ; # of MEs are allowable and compounds are not detected in the sample.

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

- 1) Metals and mercury samples are digested with a hot block; see the standard operating procedure document for details.
- 2) Uncertainty for all reported data is less than or equal to 30 percent.

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-1B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 13:15  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	BQL	100	0.0690	1	1/5/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.290</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-1B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 13:15  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	10.1	101
4-Bromofluorobenzene	10	9.85	98

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-2  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-2B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 11:20  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	BQL	100	0.0690	1	1/5/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	<b>2.43</b>	5.00	0.0740	1	1/5/2010	J
1,1-Dichloroethene	<b>0.390</b>	5.00	0.0890	1	1/5/2010	J
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>2.38</b>	1.00	0.0980	1	1/5/2010	
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	<b>0.170</b>	1.00	0.0690	1	1/5/2010	J
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	<b>0.300</b>	1.00	0.0540	1	1/5/2010	J
1,1,1-Trichloroethane	<b>1.38</b>	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-2  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-2B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 11:20  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	3.22	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	10.1	101
4-Bromofluorobenzene	10	9.79	98

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-3  
Client Project ID: Alleghany County Landfill  
Lab Sample ID: G197-214-3B  
Lab Project ID: G197-214

Analyzed By: DVO  
Date Collected: 12/22/2009 9:30  
Date Received: 12/23/2009  
Matrix: Water  
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	<b>0.340</b>	1.00	0.0650	1	1/5/2010	J
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	<b>0.730</b>	100	0.0690	1	1/5/2010	J
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	<b>0.990</b>	10.0	0.106	1	1/5/2010	J
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	<b>0.450</b>	5.00	0.0740	1	1/5/2010	J
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	<b>2.68</b>	5.00	0.0650	1	1/5/2010	J
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.870</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	<b>0.200</b>	1.00	0.0690	1	1/5/2010	J
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	<b>0.310</b>	1.00	0.0540	1	1/5/2010	J
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-3  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-3B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 9:30  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	<b>0.360</b>	1.00	0.149	1	1/5/2010	J
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	9.98	100
Toluene-d8	10	9.98	100
4-Bromofluorobenzene	10	9.96	100

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: MA

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-4  
Client Project ID: Alleghany County Landfill  
Lab Sample ID: G197-214-4B  
Lab Project ID: G197-214

Analyzed By: DVO  
Date Collected: 12/22/2009 10:30  
Date Received: 12/23/2009  
Matrix: Water  
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	<b>0.340</b>	100	0.0690	1	1/5/2010	J
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	<b>0.210</b>	5.00	0.0790	1	1/5/2010	J
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.270</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-4  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-4B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 10:30  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.99	100
4-Bromofluorobenzene	10	10	100

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-5  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-5B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 12:35  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	BQL	100	0.0690	1	1/5/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.260</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: MW-5  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-5B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 12:35  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.95	99
4-Bromofluorobenzene	10	9.92	99

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: [Signature]

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: ST-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-6B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 11:05  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	<b>0.350</b>	100	0.0690	1	1/5/2010	J
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	<b>0.100</b>	5.00	0.0650	1	1/5/2010	J
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	BQL	1.00	0.0980	1	1/5/2010	
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: ST-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-6B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 11:05  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.2	102
Toluene-d8	10	9.99	100
4-Bromofluorobenzene	10	9.9	99

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst:     DVO    

Reviewed By:     DVO

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: ST-2  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-7B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 12:00  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	BQL	100	0.0690	1	1/5/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.230</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: ST-2  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-7B  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 12:00  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.3	103
Toluene-d8	10	9.9	99
4-Bromofluorobenzene	10	10.1	101

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: 

SGS North America, Inc.

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: Trip Blanks (not on COC)  
Client Project ID: Alleghany County Landfill  
Lab Sample ID: G197-214-8C  
Lab Project ID: G197-214

Analyzed By: DVO  
Date Collected: 12/22/2009 0:00  
Date Received: 12/23/2009  
Matrix: Water  
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	2.18	1	1/5/2010	
Acetonitrile	BQL	55.0	2.58	1	1/5/2010	
Acrylonitrile	BQL	200	2.93	1	1/5/2010	
Benzene	BQL	1.00	0.0650	1	1/5/2010	
Bromochloromethane	BQL	3.00	0.101	1	1/5/2010	
Bromodichloromethane	BQL	1.00	0.0760	1	1/5/2010	
Bromoform	BQL	3.00	0.120	1	1/5/2010	
Bromomethane	BQL	10.0	0.133	1	1/5/2010	
2-butanone	BQL	100	0.544	1	1/5/2010	
Carbon disulfide	BQL	100	0.0690	1	1/5/2010	
Carbon tetrachloride	BQL	1.00	0.0870	1	1/5/2010	
Chlorobenzene	BQL	3.00	0.0820	1	1/5/2010	
Chloroethane	BQL	10.0	0.106	1	1/5/2010	
Chloroform	BQL	5.00	0.0790	1	1/5/2010	
Chloromethane	BQL	1.00	0.146	1	1/5/2010	
Dibromochloromethane	BQL	3.00	0.0900	1	1/5/2010	
1,2-Dibromo-3-chloropropane	BQL	13.0	1.21	1	1/5/2010	
Dibromomethane	BQL	10.0	0.113	1	1/5/2010	
1,2-Dibromoethane	BQL	1.00	0.124	1	1/5/2010	
1,2-Dichlorobenzene	BQL	5.00	0.127	1	1/5/2010	
1,3-Dichlorobenzene	BQL	5.00	0.0810	1	1/5/2010	
1,4-Dichlorobenzene	BQL	5.00	0.0790	1	1/5/2010	
t-1,4-Dichloro-2-butene	BQL	50.5	0.630	1	1/5/2010	
1,1-Dichloroethane	BQL	5.00	0.0740	1	1/5/2010	
1,1-Dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloroethane	BQL	1.00	0.0790	1	1/5/2010	
cis-1,2-Dichloroethene	BQL	5.00	0.0650	1	1/5/2010	
t-1,2-dichloroethene	BQL	5.00	0.0890	1	1/5/2010	
1,2-Dichloropropane	BQL	1.00	0.0940	1	1/5/2010	
1,1-Dichloropropene	BQL	5.00	0.0720	1	1/5/2010	
cis-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
t-1,3-Dichloropropene	BQL	1.00	0.0760	1	1/5/2010	
Ethylbenzene	BQL	1.00	0.0770	1	1/5/2010	
2-hexanone	BQL	50.0	0.720	1	1/5/2010	
Iodomethane	BQL	10.0	0.0420	1	1/5/2010	
Methylene chloride	<b>0.400</b>	1.00	0.0980	1	1/5/2010	J
4-methyl-2-pentanone	BQL	100	0.550	1	1/5/2010	
Styrene	BQL	1.00	0.0850	1	1/5/2010	
1,1,1,2-Tetrachloroethane	BQL	5.00	0.0900	1	1/5/2010	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.115	1	1/5/2010	
Tetrachloroethene	BQL	1.00	0.0690	1	1/5/2010	
Toluene	BQL	1.00	0.0760	1	1/5/2010	
Trichloroethene	BQL	1.00	0.0540	1	1/5/2010	
1,1,1-Trichloroethane	BQL	1.00	0.0540	1	1/5/2010	
1,1,2-Trichloroethane	BQL	1.00	0.182	1	1/5/2010	

**Results for Volatiles  
by GCMS 8260 Appendix I**

Client Sample ID: Trip Blanks (not on COC)  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-8C  
 Lab Project ID: G197-214

Analyzed By: DVO  
 Date Collected: 12/22/2009 0:00  
 Date Received: 12/23/2009  
 Matrix: Water  
 Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Trichlorofluoromethane	BQL	1.00	0.111	1	1/5/2010	
1,2,3-Trichloropropane	BQL	1.00	0.120	1	1/5/2010	
Vinyl acetate	BQL	50.0	0.100	1	1/5/2010	
Vinyl chloride	BQL	1.00	0.149	1	1/5/2010	
Total Xylene	BQL	5.00	0.0650	1	1/5/2010	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.1	101
Toluene-d8	10	9.9	99
4-Bromofluorobenzene	10	9.91	99

**Comments:**

**Flags:**

BQL = Below Quantitation Limits.  
 J = Detected below the quantitation limit.

Analyst: DVO

Reviewed By: 

Results for Metals

Client Sample ID: MW-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-1  
 Lab Project ID: G197-214  
 ICP InitWt/Vol: 50 mL      Final Vol: 50 mL  
 Hg InitWt/Vol:              Final Vol:  
 Prep Batch: 15790

Analyzed By: CRN PSW  
 Date Collected: 12/22/2009 13:15  
 Date Received: 12/23/2009  
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.0332</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00496</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/30/2009	
Copper	<b>0.00742</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/30/2009	
Silver	<b>0.00290</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00375</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.0106</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	B

Comments

BQL = Below Quantitation Limits  
 DF = Dilution Factor  
 J = Between MDL and RL  
 B= Amount in Prep Blank > MDL

Reviewed By:   
 METALS.XLS

Results for Metals

Client Sample ID:	MW-2	Analyzed By:	CRN PSW
Client Project ID:	Alleghany County Landfill	Date Collected:	12/22/2009 11:20
Lab Sample ID:	G197-214-2	Date Received:	12/23/2009
Lab Project ID:	G197-214	Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL
Hg InitWt/Vol:		Final Vol:	
Prep Batch:	15790		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.0342</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	<b>0.00432</b>	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00619</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	BQL	0.0100	0.00172	1	MG/L	6010B	12/30/2009	
Copper	<b>0.00779</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/30/2009	
Silver	<b>0.00286</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00493</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.0370</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	B

Comments

BQL = Below Quantitation Limits  
 DF = Dilution Factor  
 J = Between MDL and RL  
 B= Amount in Prep Blank > MDL

Reviewed By:   
 METALS.XLS

Results for Metals

Client Sample ID:	MW-3	Analyzed By:	CRN PSW
Client Project ID:	Alleghany County Landfill	Date Collected:	12/22/2009 09:30
Lab Sample ID:	G197-214-3	Date Received:	12/23/2009
Lab Project ID:	G197-214	Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL
Hg InitWt/Vol:		Final Vol:	
Prep Batch:	15790		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.326</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	B
Beryllium	<b>0.000590</b>	0.00100	0.000442	10	MG/L	6020	1/4/2010	J
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00507</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	<b>0.0103</b>	0.0100	0.00172	1	MG/L	6010B	12/30/2009	
Copper	<b>0.00605</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	<b>0.00509</b>	0.0100	0.00278	1	MG/L	6010B	12/30/2009	J
Silver	<b>0.00217</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00352</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.0180</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	B

Comments

BQL = Below Quantitation Limits  
 DF = Dilution Factor  
 J = Between MDL and RL  
 B= Amount in Prep Blank > MDL

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Results for Metals

Client Sample ID: MW-4  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-4  
 Lab Project ID: G197-214  
 ICP InitWt/Vol: 50 mL      Final Vol: 50 mL  
 Hg InitWt/Vol:              Final Vol:  
 Prep Batch: 15790

Analyzed By: CRN PSW  
 Date Collected: 12/22/2009 10:30  
 Date Received: 12/23/2009  
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.123</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	B
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00473</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	<b>0.00185</b>	0.0100	0.00172	1	MG/L	6010B	12/30/2009	J
Copper	<b>0.00590</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	<b>0.00439</b>	0.0100	0.00278	1	MG/L	6010B	12/30/2009	J
Silver	<b>0.00309</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00264</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.00628</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB

Comments

BQL = Below Quantitation Limits  
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 B= Amount in Prep Blank > MDL

Reviewed By:   
 METALS.XLS

Results for Metals

Client Sample ID: MW-5  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-5  
 Lab Project ID: G197-214  
 ICP InitWt/Vol: 50 mL      Final Vol: 50 mL  
 Hg InitWt/Vol:              Final Vol:  
 Prep Batch: 15790

Analyzed By: CRN PSW  
 Date Collected: 12/22/2009 12:35  
 Date Received: 12/23/2009  
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.0346</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00496</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	<b>0.00281</b>	0.0100	0.00172	1	MG/L	6010B	12/30/2009	J
Copper	<b>0.00608</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	BQL	0.0100	0.00278	1	MG/L	6010B	12/30/2009	
Silver	<b>0.00292</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00363</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.00864</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB

Comments

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Results for Metals

Client Sample ID: ST-1  
 Client Project ID: Alleghany County Landfill  
 Lab Sample ID: G197-214-6  
 Lab Project ID: G197-214  
 ICP InitWt/Vol: 50 mL      Final Vol: 50 mL  
 Hg InitWt/Vol:              Final Vol:  
 Prep Batch: 15790

Analyzed By: CRN PSW  
 Date Collected: 12/22/2009 11:05  
 Date Received: 12/23/2009  
 Matrix: WATER

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.0403</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00552</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	<b>0.00192</b>	0.0100	0.00172	1	MG/L	6010B	12/30/2009	J
Copper	<b>0.00573</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	<b>0.00368</b>	0.0100	0.00278	1	MG/L	6010B	12/30/2009	J
Silver	<b>0.00309</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00649</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.0132</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	B

Comments

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Results for Metals

Client Sample ID:	ST-2	Analyzed By:	CRN PSW
Client Project ID:	Alleghany County Landfill	Date Collected:	12/22/2009 12:00
Lab Sample ID:	G197-214-7	Date Received:	12/23/2009
Lab Project ID:	G197-214	Matrix:	WATER
ICP InitWt/Vol:	50 mL	Final Vol:	50 mL
Hg InitWt/Vol:		Final Vol:	
Prep Batch:	15790		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00600	0.00295	1	MG/L	6010B	12/30/2009	
Arsenic	BQL	0.0100	0.00491	1	MG/L	6010B	12/30/2009	
Barium	<b>0.0301</b>	0.100	0.00206	1	MG/L	6010B	12/30/2009	JB
Beryllium	BQL	0.00100	0.000442	10	MG/L	6020	1/4/2010	
Cadmium	BQL	0.00100	0.000158	10	MG/L	6020	1/4/2010	
Chromium	<b>0.00485</b>	0.0100	0.00146	1	MG/L	6010B	12/30/2009	JB
Cobalt	<b>0.00216</b>	0.0100	0.00172	1	MG/L	6010B	12/30/2009	J
Copper	<b>0.00580</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB
Lead	BQL	0.0100	0.00679	1	MG/L	6010B	12/30/2009	
Nickel	BQL	0.0500	0.00236	1	MG/L	6010B	12/30/2009	
Selenium	<b>0.00502</b>	0.0100	0.00278	1	MG/L	6010B	12/30/2009	J
Silver	<b>0.00279</b>	0.0100	0.000656	1	MG/L	6010B	12/30/2009	JB
Thallium	BQL	0.00550	0.000198	10	MG/L	6020	1/4/2010	
Vanadium	<b>0.00606</b>	0.00250	0.000586	10	MG/L	6020	1/4/2010	
Zinc	<b>0.00458</b>	0.0100	0.00129	1	MG/L	6010B	12/30/2009	JB

Comments

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1 CLIENT: **ARM**

CONTACT: **Joe Zuncich** PHONE NO.: **270-2919**

PROJECT: **Allegheny County Landfill** SITE/PWSID#:

REPORTS TO:

INVOICE TO: **ARM** FAX NO.:( ) **270-2988** QUOTE #:

P.O. NUMBER:

SGS Reference: **G197-213 G197-214** PAGE **1** OF **1**

CONTAINERS	No	SAMPLE TYPE	Preservatives Used	Analysis Required	REMARKS
	4	G			
	4	G			
	4	G			
	4	G			
	4	G			
	4	G			
	4	G			
	4	G			

3

2

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX
	MW-1	12-22-09	1315	H2O
	MW-2		1120	H2O
	MW-3		0930	H2O
	MW-4		1030	H2O
	MW-5		1235	H2O
	ST-1		1105	H2O
	ST-2		1200	H2O

5

Collected/Relinquished By: (1) **Joe Zuncich** Date **12-23-09** Time **11:50**

Relinquished By: (2) **John M...** Date **1** Time

Relinquished By: (3)

Relinquished By: (4)

Shipping Carrier: **ES** NO

Shipping Ticket No: **2.0** Temperature C: **2.0**

Special Deliverable Requirements: **BROKEN** INTACT **BSENT**

Special Instructions: **NO LANDFILL PARAMETERS**

Requested Turnaround Time:  RUSH  STD Date Needed

200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301  
 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557

White - Retained by Lab  
 Pink - Retained by Client

**APPENDIX B**

**LANDFILL EDD**

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-3	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	MW-5	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	MW-2	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	MW-4	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	MW-1	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	ST-1	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	ST-2	100-41-4	SW110	Ethylbenzene		UG/L	U	SW846 8260	0.077	1	1	1	12/22/2009		1/5/2010	481
	MW-3	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	MW-5	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	MW-2	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	MW-4	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	MW-1	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	ST-1	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	ST-2	100-42-5	SW186	Styrene		UG/L	U	SW846 8260	0.085	1	1	1	12/22/2009		1/5/2010	481
	MW-3	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-5	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-2	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-4	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-1	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-1	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-2	10061-01-5	SW86	cis-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-3	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-5	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-2	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-4	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-1	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-1	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-2	10061-02-6	SW87	t-1,3-Dichloropropene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-3	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-5	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-2	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-4	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-1	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	ST-1	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	ST-2	106-46-7	SW71	1,4-Dichlorobenzene		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-3	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	MW-5	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	MW-2	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	MW-4	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	MW-1	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	ST-1	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	ST-2	106-93-4	SW68	1,2-Dibromoethane		UG/L	U	SW846 8260	0.124	1	1	1	12/22/2009		1/5/2010	481
	MW-3	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	MW-5	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	MW-2	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	MW-4	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	MW-1	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	ST-1	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	ST-2	107-06-2	SW76	1,2-Dichloroethane		UG/L	U	SW846 8260	0.079	1	1	1	12/22/2009		1/5/2010	481
	MW-3	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	MW-5	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	MW-2	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	MW-4	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	MW-1	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	ST-1	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	ST-2	107-13-1	SW8	Acrylonitrile		UG/L	U	SW846 8260	2.93	200	200	1	12/22/2009		1/5/2010	481
	MW-3	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	MW-5	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	MW-2	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	MW-4	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	MW-1	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	ST-1	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	ST-2	108-05-4	SW210	Vinyl acetate		UG/L	U	SW846 8260	0.1	50	50	1	12/22/2009		1/5/2010	481
	MW-3	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	MW-5	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	MW-2	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	MW-4	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	MW-1	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	ST-1	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	ST-2	108-10-1	SW147	4-methyl-2-pentanone		UG/L	U	SW846 8260	0.55	100	100	1	12/22/2009		1/5/2010	481
	MW-3	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-5	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-2	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-4	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-1	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-1	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-2	108-88-3	SW196	Toluene		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-3	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	MW-5	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	MW-2	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	MW-4	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	MW-1	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	ST-1	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	ST-2	108-90-7	SW39	Chlorobenzene		UG/L	U	SW846 8260	0.082	3	3	1	12/22/2009		1/5/2010	481
	MW-3	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	MW-5	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	MW-2	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	MW-4	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	MW-1	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	ST-1	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	ST-2	110-57-6	SW73	t-1,4-Dichloro-2-butene		UG/L	U	SW846 8260	0.63	50.5	50.5	1	12/22/2009		1/5/2010	481
	MW-3	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	MW-5	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	MW-2	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	MW-4	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	MW-1	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	ST-1	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	ST-2	124-48-1	SW66	Dibromochloromethane		UG/L	U	SW846 8260	0.09	3	3	1	12/22/2009		1/5/2010	481
	MW-5	127-18-4	SW192	Tetrachloroethene		UG/L	U	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	MW-4	127-18-4	SW192	Tetrachloroethene		UG/L	U	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	MW-1	127-18-4	SW192	Tetrachloroethene		UG/L	U	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	ST-1	127-18-4	SW192	Tetrachloroethene		UG/L	U	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	ST-2	127-18-4	SW192	Tetrachloroethene		UG/L	U	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	MW-2	127-18-4	SW192	Tetrachloroethene	0.17	UG/L	J	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	MW-3	127-18-4	SW192	Tetrachloroethene	0.2	UG/L	J	SW846 8260	0.069	1	1	1	12/22/2009		1/5/2010	481
	MW-3	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-5	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-2	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-4	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-1	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	ST-1	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	ST-2	1330-20-7	SW212	Total Xylene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-5	156-59-2	SW78	cis-1,2-Dichloroethene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-2	156-59-2	SW78	cis-1,2-Dichloroethene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-4	156-59-2	SW78	cis-1,2-Dichloroethene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-1	156-59-2	SW78	cis-1,2-Dichloroethene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	ST-2	156-59-2	SW78	cis-1,2-Dichloroethene		UG/L	U	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	ST-1	156-59-2	SW78	cis-1,2-Dichloroethene	0.1	UG/L	J	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-3	156-59-2	SW78	cis-1,2-Dichloroethene	2.68	UG/L	J	SW846 8260	0.065	5	5	1	12/22/2009		1/5/2010	481
	MW-3	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-5	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-2	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-4	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-1	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	ST-1	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	ST-2	156-60-5	SW79	t-1,2-dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-3	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	MW-5	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	MW-2	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	MW-4	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	MW-1	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	ST-1	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	ST-2	541-73-1	SW70	1,3-Dichlorobenzene		UG/L	U	SW846 8260	0.081	5	5	1	12/22/2009		1/5/2010	481
	MW-3	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	MW-5	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	MW-2	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	MW-4	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	MW-1	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	ST-1	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	ST-2	56-23-5	SW36	Carbon tetrachloride		UG/L	U	SW846 8260	0.087	1	1	1	12/22/2009		1/5/2010	481
	MW-3	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	MW-5	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	MW-2	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	MW-4	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	MW-1	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	ST-1	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	ST-2	563-58-6	SW85	1,1-Dichloropropene		UG/L	U	SW846 8260	0.072	5	5	1	12/22/2009		1/5/2010	481
	MW-3	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	MW-5	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	MW-2	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	MW-4	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	MW-1	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	ST-1	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	ST-2	591-78-6	SW124	2-hexanone		UG/L	U	SW846 8260	0.72	50	50	1	12/22/2009		1/5/2010	481
	MW-3	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	MW-5	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	MW-2	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	MW-4	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	MW-1	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	ST-1	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	ST-2	630-20-6	SW190	1,1,1,2-Tetrachloroethane		UG/L	U	SW846 8260	0.09	5	5	1	12/22/2009		1/5/2010	481
	MW-3	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	MW-5	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	MW-2	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	MW-4	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-1	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	ST-1	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	ST-2	67-64-1	SW3	Acetone		UG/L	U	SW846 8260	2.18	100	100	1	12/22/2009		1/5/2010	481
	MW-3	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-5	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-2	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-1	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	ST-1	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	ST-2	67-66-3	SW44	Chloroform		UG/L	U	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-4	67-66-3	SW44	Chloroform	0.21	UG/L	J	SW846 8260	0.079	5	5	1	12/22/2009		1/5/2010	481
	MW-5	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	MW-2	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	MW-4	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	MW-1	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	ST-1	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	ST-2	71-43-2	SW16	Benzene		UG/L	U	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	MW-3	71-43-2	SW16	Benzene	0.34	UG/L	J	SW846 8260	0.065	1	1	1	12/22/2009		1/5/2010	481
	MW-3	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-5	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-4	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-1	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	ST-1	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	ST-2	71-55-6	SW200	1,1,1-Trichloroethane		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-2	71-55-6	SW200	1,1,1-Trichloroethane	1.38	UG/L		SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-3	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	MW-5	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	MW-2	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	MW-4	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	MW-1	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	ST-1	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	ST-2	74-83-9	SW136	Bromomethane		UG/L	U	SW846 8260	0.133	10	10	1	12/22/2009		1/5/2010	481
	MW-3	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	MW-5	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	MW-2	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	MW-4	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	MW-1	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	ST-1	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	ST-2	74-87-3	SW137	Chloromethane		UG/L	U	SW846 8260	0.146	1	1	1	12/22/2009		1/5/2010	481
	MW-3	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	MW-5	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	MW-2	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	MW-4	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	MW-1	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	ST-1	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	ST-2	74-88-4	SW142	Iodomethane		UG/L	U	SW846 8260	0.042	10	10	1	12/22/2009		1/5/2010	481
	MW-3	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	MW-5	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	MW-2	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	MW-4	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	MW-1	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	ST-1	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	ST-2	74-95-3	SW139	Dibromomethane		UG/L	U	SW846 8260	0.113	10	10	1	12/22/2009		1/5/2010	481
	MW-3	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	MW-5	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	MW-2	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-4	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	MW-1	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	ST-1	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	ST-2	74-97-5	SW28	Bromochloromethane		UG/L	U	SW846 8260	0.101	3	3	1	12/22/2009		1/5/2010	481
	MW-3	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7439-92-1	SW131	Lead		UG/L	U	SW846 6010B	6.79	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-02-0	SW152	Nickel		UG/L	U	SW846 6010B	2.36	0.05	50	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-22-4	SW184	Silver	2.17	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-22-4	SW184	Silver	2.79	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-22-4	SW184	Silver	2.86	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-22-4	SW184	Silver	2.9	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-22-4	SW184	Silver	2.92	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-22-4	SW184	Silver	3.09	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-22-4	SW184	Silver	3.09	UG/L	JB	SW846 6010B	0.656	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-5	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-2	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-4	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-1	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-1	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-2	7440-28-0	SW194	Thallium		UG/L	U	SW846 6020	0.198	0.006	5.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-3	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-36-0	SW13	Antimony		UG/L	U	SW846 6010B	2.95	0.006	6	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-38-2	SW14	Arsenic		UG/L	U	SW846 6010B	4.91	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-39-3	SW15	Barium	123	UG/L	B	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-39-3	SW15	Barium	30.1	UG/L	JB	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-39-3	SW15	Barium	326	UG/L	B	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-39-3	SW15	Barium	33.2	UG/L	JB	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-39-3	SW15	Barium	34.2	UG/L	JB	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-39-3	SW15	Barium	34.6	UG/L	JB	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-39-3	SW15	Barium	40.3	UG/L	JB	SW846 6010B	2.06	0.1	100	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-2	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-4	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-1	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-1	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-2	7440-41-7	SW23	Beryllium		UG/L	U	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-3	7440-41-7	SW23	Beryllium	0.59	UG/L	J	SW846 6020	0.442	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-3	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-5	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-4	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-1	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-1	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-2	7440-43-9	SW34	Cadmium		UG/L	U	SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-2	7440-43-9	SW34	Cadmium	4.32	UG/L		SW846 6020	0.158	0.001	1	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-4	7440-47-3	SW51	Chromium	4.73	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-47-3	SW51	Chromium	4.85	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-47-3	SW51	Chromium	4.96	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-47-3	SW51	Chromium	4.96	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-47-3	SW51	Chromium	5.07	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-47-3	SW51	Chromium	5.52	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-47-3	SW51	Chromium	6.19	UG/L	JB	SW846 6010B	1.46	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-48-4	SW53	Cobalt		UG/L	U	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-48-4	SW53	Cobalt		UG/L	U	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-48-4	SW53	Cobalt	1.85	UG/L	J	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-48-4	SW53	Cobalt	1.92	UG/L	J	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-48-4	SW53	Cobalt	10.3	UG/L		SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-48-4	SW53	Cobalt	2.16	UG/L	J	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-48-4	SW53	Cobalt	2.81	UG/L	J	SW846 6010B	1.72	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-50-8	SW54	Copper	5.73	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-50-8	SW54	Copper	5.8	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-50-8	SW54	Copper	5.9	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-50-8	SW54	Copper	6.05	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-50-8	SW54	Copper	6.08	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7440-50-8	SW54	Copper	7.42	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-50-8	SW54	Copper	7.79	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-62-2	SW209	Vanadium	2.64	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-3	7440-62-2	SW209	Vanadium	3.52	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-5	7440-62-2	SW209	Vanadium	3.63	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-1	7440-62-2	SW209	Vanadium	3.75	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-2	7440-62-2	SW209	Vanadium	4.93	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-2	7440-62-2	SW209	Vanadium	6.06	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	ST-1	7440-62-2	SW209	Vanadium	6.49	UG/L		SW846 6020	0.586	0.003	2.5	10	12/22/2009	12/28/2009	1/4/2010	481
	MW-1	7440-66-6	SW213	Zinc	10.6	UG/L	B	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7440-66-6	SW213	Zinc	13.2	UG/L	B	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7440-66-6	SW213	Zinc	18	UG/L	B	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7440-66-6	SW213	Zinc	37	UG/L	B	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7440-66-6	SW213	Zinc	4.58	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7440-66-6	SW213	Zinc	6.28	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	7440-66-6	SW213	Zinc	8.64	UG/L	JB	SW846 6010B	1.29	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-5	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	MW-2	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	MW-4	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	MW-1	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	ST-1	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	ST-2	75-00-3	SW41	Chloroethane		UG/L	U	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	MW-3	75-00-3	SW41	Chloroethane	0.99	UG/L	J	SW846 8260	0.106	10	10	1	12/22/2009		1/5/2010	481
	MW-5	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-2	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	MW-4	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	MW-1	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	ST-1	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	ST-2	75-01-4	SW211	Vinyl chloride		UG/L	U	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	MW-3	75-01-4	SW211	Vinyl chloride	0.36	UG/L	J	SW846 8260	0.149	1	1	1	12/22/2009		1/5/2010	481
	MW-3	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	MW-5	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	MW-2	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	MW-4	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	MW-1	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	ST-1	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	ST-2	75-05-8	SW4	Acetonitrile		UG/L	U	SW846 8260	2.58	55	55	1	12/22/2009		1/5/2010	481
	ST-1	75-09-2	SW140	Methylene chloride		UG/L	U	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	ST-2	75-09-2	SW140	Methylene chloride	0.23	UG/L	J	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-5	75-09-2	SW140	Methylene chloride	0.26	UG/L	J	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-4	75-09-2	SW140	Methylene chloride	0.27	UG/L	J	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-1	75-09-2	SW140	Methylene chloride	0.29	UG/L	J	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-3	75-09-2	SW140	Methylene chloride	0.87	UG/L	J	SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-2	75-09-2	SW140	Methylene chloride	2.38	UG/L		SW846 8260	0.098	1	1	1	12/22/2009		1/5/2010	481
	MW-5	75-15-0	SW35	Carbon disulfide		UG/L	U	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	MW-2	75-15-0	SW35	Carbon disulfide		UG/L	U	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	MW-1	75-15-0	SW35	Carbon disulfide		UG/L	U	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	ST-2	75-15-0	SW35	Carbon disulfide		UG/L	U	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	MW-4	75-15-0	SW35	Carbon disulfide	0.34	UG/L	J	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	ST-1	75-15-0	SW35	Carbon disulfide	0.35	UG/L	J	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	MW-3	75-15-0	SW35	Carbon disulfide	0.73	UG/L	J	SW846 8260	0.069	100	100	1	12/22/2009		1/5/2010	481
	MW-3	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	MW-5	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	MW-2	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	MW-4	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	MW-1	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	ST-1	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	ST-2	75-25-2	SW30	Bromoform		UG/L	U	SW846 8260	0.12	3	3	1	12/22/2009		1/5/2010	481
	MW-3	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-5	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-2	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-4	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-1	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-1	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	ST-2	75-27-4	SW29	Bromodichloromethane		UG/L	U	SW846 8260	0.076	1	1	1	12/22/2009		1/5/2010	481
	MW-5	75-34-3	SW75	1,1-Dichloroethane		UG/L	U	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	MW-4	75-34-3	SW75	1,1-Dichloroethane		UG/L	U	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	MW-1	75-34-3	SW75	1,1-Dichloroethane		UG/L	U	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	ST-1	75-34-3	SW75	1,1-Dichloroethane		UG/L	U	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	ST-2	75-34-3	SW75	1,1-Dichloroethane		UG/L	U	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	MW-3	75-34-3	SW75	1,1-Dichloroethane	0.45	UG/L	J	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	MW-2	75-34-3	SW75	1,1-Dichloroethane	2.43	UG/L	J	SW846 8260	0.074	5	5	1	12/22/2009		1/5/2010	481
	MW-3	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-5	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-4	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-1	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	ST-1	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	ST-2	75-35-4	SW77	1,1-Dichloroethene		UG/L	U	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481
	MW-2	75-35-4	SW77	1,1-Dichloroethene	0.39	UG/L	J	SW846 8260	0.089	5	5	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	MW-3	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	MW-5	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	MW-4	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	MW-1	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	ST-1	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	ST-2	75-69-4	SW203	Trichlorofluoromethane		UG/L	U	SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	MW-2	75-69-4	SW203	Trichlorofluoromethane	3.22	UG/L		SW846 8260	0.111	1	1	1	12/22/2009		1/5/2010	481
	MW-5	7782-49-2	SW183	Selenium		UG/L	U	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-2	7782-49-2	SW183	Selenium		UG/L	U	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-1	7782-49-2	SW183	Selenium		UG/L	U	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-1	7782-49-2	SW183	Selenium	3.68	UG/L	J	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-4	7782-49-2	SW183	Selenium	4.39	UG/L	J	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	ST-2	7782-49-2	SW183	Selenium	5.02	UG/L	J	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	7782-49-2	SW183	Selenium	5.09	UG/L	J	SW846 6010B	2.78	0.01	10	1	12/22/2009	12/28/2009	12/30/2009	481
	MW-3	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	MW-5	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	MW-2	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	MW-4	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	MW-1	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	ST-1	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	ST-2	78-87-5	SW82	1,2-Dichloropropane		UG/L	U	SW846 8260	0.094	1	1	1	12/22/2009		1/5/2010	481
	MW-3	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	MW-5	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	MW-2	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	MW-4	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	MW-1	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	ST-1	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	ST-2	78-93-3	SW141	2-butanone		UG/L	U	SW846 8260	0.544	100	100	1	12/22/2009		1/5/2010	481
	MW-3	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	MW-5	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	MW-2	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	MW-4	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	MW-1	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	ST-1	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	ST-2	79-00-5	SW202	1,1,2-Trichloroethane		UG/L	U	SW846 8260	0.182	1	1	1	12/22/2009		1/5/2010	481
	MW-5	79-01-6	SW201	Trichloroethene		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-4	79-01-6	SW201	Trichloroethene		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-1	79-01-6	SW201	Trichloroethene		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	ST-1	79-01-6	SW201	Trichloroethene		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	ST-2	79-01-6	SW201	Trichloroethene		UG/L	U	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-2	79-01-6	SW201	Trichloroethene	0.3	UG/L	J	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-3	79-01-6	SW201	Trichloroethene	0.31	UG/L	J	SW846 8260	0.054	1	1	1	12/22/2009		1/5/2010	481
	MW-3	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	MW-5	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	MW-2	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	MW-4	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	MW-1	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	ST-1	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	ST-2	79-34-5	SW191	1,1,2,2-Tetrachloroethane		UG/L	U	SW846 8260	0.115	3	3	1	12/22/2009		1/5/2010	481
	MW-3	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	MW-5	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	MW-2	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	MW-4	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	MW-1	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	ST-1	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	MRL	SWSL	Dilution Factor	Collect Date	Extraction Date	Analysis Date	NC LABORATORY CERTIFICATION NUMBER
	ST-2	95-50-1	SW69	1,2-Dichlorobenzene		UG/L	U	SW846 8260	0.127	5	5	1	12/22/2009		1/5/2010	481
	MW-3	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	MW-5	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	MW-2	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	MW-4	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	MW-1	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	ST-1	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	ST-2	96-12-8	SW67	1,2-Dibromo-3-chloropropane		UG/L	U	SW846 8260	1.21	13	13	1	12/22/2009		1/5/2010	481
	MW-3	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	MW-5	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	MW-2	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	MW-4	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	MW-1	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	ST-1	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481
	ST-2	96-18-4	SW206	1,2,3-Trichloropropane		UG/L	U	SW846 8260	0.12	1	1	1	12/22/2009		1/5/2010	481