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SPRING 2006 SEMIANNUAL WATER QUALITY MONITORING REPORT

Fac/Perm/Co ID #	Date	Doc ID#
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JACKSON COUNTY MUNICIPAL SOLID WASTE LANDFILL
JACKSON COUNTY, NORTH CAROLINA

Prepared for
Jackson County MSWLF

June 30, 2006

Prepared by
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TRANSMITTAL LETTER

To: Mr. Ethan Brown

From: Zan Price

Date: June 30, 2006

cc:

Subject: Jackson County Municipal Solid Waste Landfill

Contents:

1. A copy of the Spring Semiannual Water Quality Monitoring Report for the Jackson County Municipal Solid Waste Landfill prepared by Altamont Environmental, Inc., dated June 30, 2006.

Received
2006
Waste

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1.0 INTRODUCTION

The Jackson County Solid Waste Department maintains a closed Municipal Solid Waste Landfill (MSWLF) located approximately three-quarters of a mile west of Dillsboro, North Carolina, north of Old Dillsboro Road (Old U.S. 74). The approximate location of the landfill is shown in Figure 1. The landfill permit requires semiannual monitoring of groundwater and surface water quality.

This report serves as the first semiannual groundwater and surface water monitoring report for 2006 and is being submitted in accordance with requirements stipulated in the North Carolina Department of Environment and Natural Resources (DENR) Solid Waste Management Rules 15A North Carolina Administrative Code (NCAC) 13B. The data and report also comply with the subsequent memorandum regarding Appendix II monitoring from DENR, dated April 21, 1995. This report provides an evaluation of the groundwater and surface water quality. Statistical analyses of groundwater data and groundwater flow information are also provided.

This report contains the following items:

- Groundwater level measurements and corresponding elevations for the landfill monitoring wells;
- An illustration of groundwater and surface water sampling locations;
- Generalized groundwater flow direction map;
- Summary of groundwater and surface water analytical results;
- Statistical analyses for detected metals and Volatile Organic Compounds (VOCs);
- Sampling logs; and
- Groundwater and surface water quality analytical results with chain-of-custody forms.

2.0 SEMIANNUAL MONITORING

2.1 GROUNDWATER AND SURFACE WATER SAMPLING

The closed MSWLF monitoring wells (MW-01, MW-02, MW-03, MW-04, PMW-01 and MW-06) and surface water sample locations (SW-01 and SW-02) were sampled on April 13, 2006 by Altamont Environmental, Inc. (Altamont). The monitoring well and surface water sample locations are shown on Figure 2. MW-05 was not sampled due to an obstruction in the well casing. As stated in the Fall 2005 monitoring report, PMW-01 is being used in place of the damaged MW-05. PMW-01 is located 120-feet south of MW-05 on the Jackson County maintenance building property.

Prior to sampling the groundwater, the static water level in each well and well depth were measured. Each well was then purged and sampled using a disposable bailer. Samples were obtained after a minimum of three well volumes had been purged and pH, specific conductivity, and temperature readings had stabilized to within ten percent of the previous reading. One monitoring well, PMW-01 was purged dry; a sample was taken after water recharged in the well. Oxygen reduction potential (ORP) and dissolved oxygen (DO) readings were also taken. A summary of field indicator parameters is included in Table 1 and copies of the Sampling Logs are included in Appendix A.

In correspondence dated November 19, 2002, the North Carolina Department of Environment and Natural Resources (DENR) agreed to modify the assessment monitoring requirements at the Jackson County closed landfill. Sampling and analysis for semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and pesticides are currently on a biennial basis. These parameters shall be analyzed in the October 2006 sampling event.

Groundwater and surface water samples were analyzed for the following parameters:

- Appendix I VOCs using EPA Method 8260
- Appendix I Metals using various EPA Methods from the 6010/7000 series

The samples were analyzed by Pace Analytical Services, Inc. (Pace), a North Carolina certified laboratory, in Huntersville, North Carolina. Proper chain-of-custody documentation was followed during

collection and transportation of each sample. A trip blank was also analyzed for VOCs. The analytical reports and chain-of-custody forms are included in Appendix B.

2.2 ANALYTICAL RESULTS

Analytical results for the Appendix I metals are shown in Table 2 and are depicted as follows:

- Eleven metals were detected in monitoring wells and two metals were detected in surface water samples.
- Cadmium was detected in MW-01 at a concentration greater than the respective North Carolina Administrative Code (NCAC), Title 15A, Subchapter 2L groundwater quality standard (2L Standard).
- Barium was detected in MW-4 at a concentration greater than the respective 2L Standard.
- Chromium, lead, and mercury were detected in PMW-01 at concentrations greater than the respective 2L Standard.

The analytical results for detected VOCs are shown in Table 3 and are depicted as follows:

- The VOCs 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, chlorobenzene, cis-1,2-dichloroethene, ethylbenzene, m&p xylene, methylene chloride, o-xylene, and toluene were detected in one or more of the monitoring wells.
- 1,4-dichlorobenzene was found in MW-01, MW-03, MW-04, PMW-01, and MW-06 in excess of the respective 2L Standard.
- Benzene was found in MW-01 and MW-06 in excess of the respective 2L Standard.
- Methylene chloride was found in MW-06 in excess of the respective 2L Standard.
- No other VOCs were detected in the monitoring wells at concentrations greater than the 2LStandards.
- Analytical results for the surface water samples showed that no VOCs were detected.

2.3 HYDROGEOLOGY

Groundwater at the MSWLF occurs in two aquifers, one in bedrock and the other in the shallow saprolite. Three bedrock wells MW-01, MW-02, and MW-06 are located in the northwest portion of the site. However, because these three wells are more or less in a linear pattern, a specific flow direction in bedrock in this area cannot be reliably ascertained.

Monitoring wells MW-3, MW-4 and MW-5, (Figure 3), located at the southern portion of the landfill, are completed in the saprolite or partially weathered bedrock. Water level data collected from MW-3, MW-4 and MW-5 (Table 5) indicate that the predominant groundwater flow direction in the shallow aquifer is to the southwest toward the Tuckasegee River. Figure 3 depicts the generalized groundwater flow direction based on the groundwater measurements made by Altamont on April 13, 2006.

2.4 STATISTICAL ANALYSES

Typically, the analysis of variance procedure is used to compare concentration data from several compliance wells with concentration data from background wells. However, as stated in a letter from Altamont to DENR on January 16, 2004, the MSWLF does not have an adequate background well. Monitoring well MW-01 was installed by a previous consultant in a location that was presumably thought to represent background water quality. However, the historical analytical results for samples from MW-01 suggest that water quality at MW-01 is not representative of background groundwater conditions. Therefore, an analysis of variance procedure is not feasible for this landfill.

In lieu of an analysis of variance procedure, Altamont performed the Student's t-test statistical procedure (t-test) to determine if concentrations of detected contaminants are statistically greater than their respective 2L Standard. The t-test is commonly used when comparing a time series of data (e.g., current and historic concentrations of a specific contaminant in a well) to one give value (e.g., the 2L Standard). The US Environmental Protection Agency (EPA) Maximum Contaminant Level (MCL) values were used for compounds that did not have a listed 2L Standard.

The t-test evaluates the null hypothesis that the mean concentration of each detected compound is less than or equal to the 2L Standard. If the mean for a particular compound is not statistically greater than its respective 2L Standard, then the null hypothesis is accepted. Conversely, if the mean for a particular constituent is statistically greater than the respective 2L Standard, then the null hypothesis is rejected and the mean concentration is acknowledged to be greater than the 2L Standard. This is determined by comparing the computed t-statistic to the tabulated t-statistic.

The computed t-statistic takes into account the mean, standard deviation, number of data points, and the 2L Standard, as shown in the following equation:

$$t_{computed} = \frac{\text{mean} - \text{2L Standard}}{\dfrac{\text{standard deviation}}{\sqrt{\text{sample size}}}}$$

The tabulated t-statistic is derived from a standard t-distribution table and is based on the sample size and a pre-determined sensitivity value (α). DENR, in Subchapter 13B, Section .1632(h)(2), established α as 0.01. If the tabulated t-statistic exceeds the computed t-statistic, then the null hypothesis is accepted. If the computed t-statistic exceeds the tabulated t-statistic, then the null hypothesis is rejected, and the alternate hypothesis is accepted.

Data for detected metals and VOCs from all available laboratory analyses performed to date were taken into account for the statistical evaluation. Altamont began sampling PMW-01 in the current sampling event so there is not sufficient historical data to perform a statistical analysis on this well. Compounds that were not detected at concentrations above the laboratory reporting limit were evaluated using the full reporting limit, unless the reporting limit was greater than the 2L Standard. Altamont consulted with Mr. Arthur Lubin, an environmental statistician with the US EPA, on January 9, 2004 concerning the use of values reported as "non-detectable". Mr. Lubin stated that a valid statistical comparison is not possible when a sample set contains non-detect values and the detection limit is greater than the groundwater standard. He stated that a qualitative analysis of the data is the only feasible option for this scenario.

The results of the statistical analysis are included as Appendix C. According to statistical analyses, none of the detected metal concentrations in the monitoring wells were statistically greater than their respective groundwater standard.

The statistical analyses also showed that the VOC 1,4-dichlorobenzene has been detected in MW-01, MW-03, MW-04, and MW-06 at concentrations statistically greater than the respective groundwater standard. Furthermore, the VOCs benzene and methylene chloride have been detected in MW-1 and the VOC benzene has been detected in MW-06 at concentrations statistically greater than the their respective groundwater standard. However, methylene chloride has only been detected once in MW-1 in the last 13

sampling events. This detection occurred in Spring 2002. The t-test statistical analysis for benzene in MW-02, MW-03, and MW-04 and 1,4-dichlorobenzene in MW-02 is not valid since the sample sets contain non-detect values and the detection limit is greater than the groundwater standard.

3.0 CONCLUSIONS

The semiannual groundwater monitoring was conducted on April 13, 2006 at the Jackson County MSWLF.

MW-05 was not sampled due to an obstruction in the well casing. This obstruction may be caused by a deformation of the casing. An Altamont engineer inspected the well on December 8, 2005 and confirmed that the well casing is bent. The cause is unknown.

Altamont began sampling PMW-01 in place of MW-05 during this sampling event. As illustrated on Figure 2, PMW-01 is located 120-feet south of MW-05 on the Jackson County maintenance building property. This well was installed by the previous property owner to monitor potential groundwater quality influences from the adjacent landfill property. PMW-01 will be incorporated into routine semiannual monitoring. Altamont will continue to observe MW-05 for changes in its condition.

Metals

Analytical results indicate that eleven metals were detected in monitoring wells and two metals were detected in surface water samples. As noted, five were detected at concentrations above the respective 2L Standard. The statistical analyses showed that none of the detected metal concentrations in the monitoring wells were statistically greater than their respective groundwater standard. There is not sufficient historical data to complete a statistical analysis on PMW-01. No other metals were detected in monitoring wells or surface water samples at concentrations greater than the 2L Standards.

Field notes taken during well sampling indicate that the turbidity in these samples ranged from low to high, with the highest turbidity shown in the sample taken from monitoring well PMW-01. This monitoring well also had the highest metal detections in comparison to the other monitoring wells. Particles that cause turbidity contain metallic ions deposited in the parent rock. Some or all of the metals in the groundwater may be attributed to this source. Altamont will continue to monitor turbidity in these monitoring wells.

Volatile Organic Compounds

Analytical results indicate that ten VOCs were detected in monitoring wells and no VOCs were detected in surface water samples. Of the detected VOCs, 1,4-dichlorobenzene was detected in MW-01, MW-03, MW-04, PMW-01, and MW-06 at a concentration greater than its respective 2L Standard (**Note:** the 2L Standard for 1,4-dichlorobenzene decreased from 75 µg/L to 1.4 µg/L on April 1, 2005). Benzene was detected in MW-01 and MW-06 at a concentration greater than the respective 2L Standard. Methylene chloride was also detected in MW-06 at a concentration greater than the respective 2L Standard.

Review of historical data since October 1996 for MW-01, indicates that the concentration of benzene has fluctuated from 2.5 µg/L to 14µg/L. Methylene chloride concentrations in MW-06 have ranged from 5.7 µg/L to 21 µg/L since that well was installed in 2004. MW-01 and MW-06 are bedrock wells located in the northern portion of the landfill. In light of the indication that the bedrock aquifer is unconfined at the landfill, recharge to the bedrock is presumably from the overlying saprolite aquifer. The Tuckasegee River, which is located adjacent to the landfill to the southwest, represents a major drainage for this area, so it is likely that groundwater in the bedrock aquifer discharges to the river. Benzene and methylene chloride are volatile compounds that are easily attenuated; therefore it is probable that the concentrations of benzene and methylene chloride are significantly reduced by the time the groundwater discharges to the stream. Indeed, groundwater collected from the downgradient bedrock well, MW-02, did not contain concentrations of VOCs above the laboratory reporting limits. In addition, surface water samples did not contain concentrations of VOCs above the laboratory reporting limits. Concentrations of other VOCs detected in groundwater samples were all below the respective 2L Standard.

Altamont will continue to monitor VOCs and metals on a semiannual basis at the Jackson County MSWLF. The next sampling event is scheduled for October 2006.

FIGURES

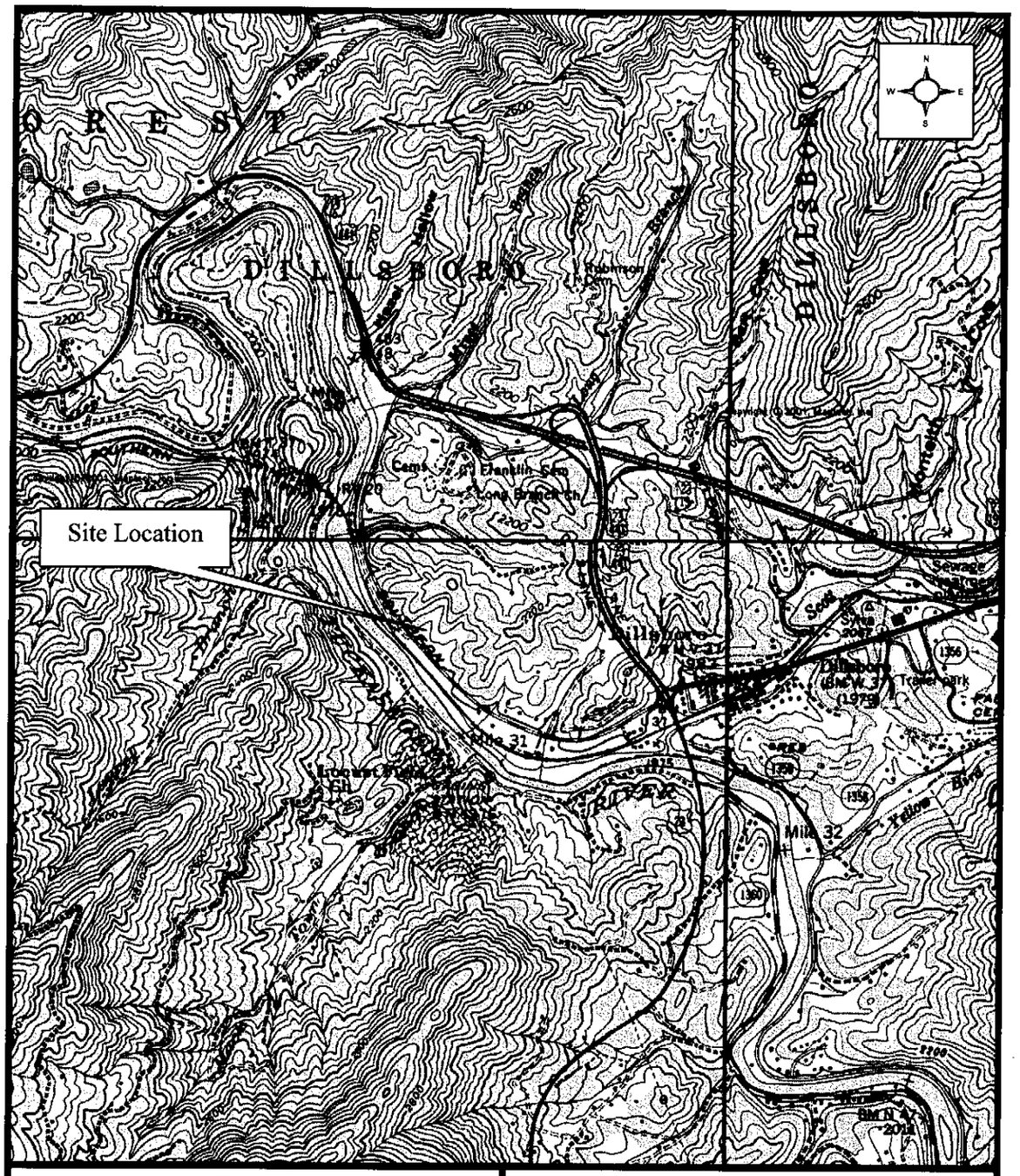

Figure 1
Site Location Map
June 28, 2006
USGS Greens Creek and Whittier Quadrangles

Scale 1 inch = 2000 feet

Jackson County MSW Landfill
Jackson County, North Carolina

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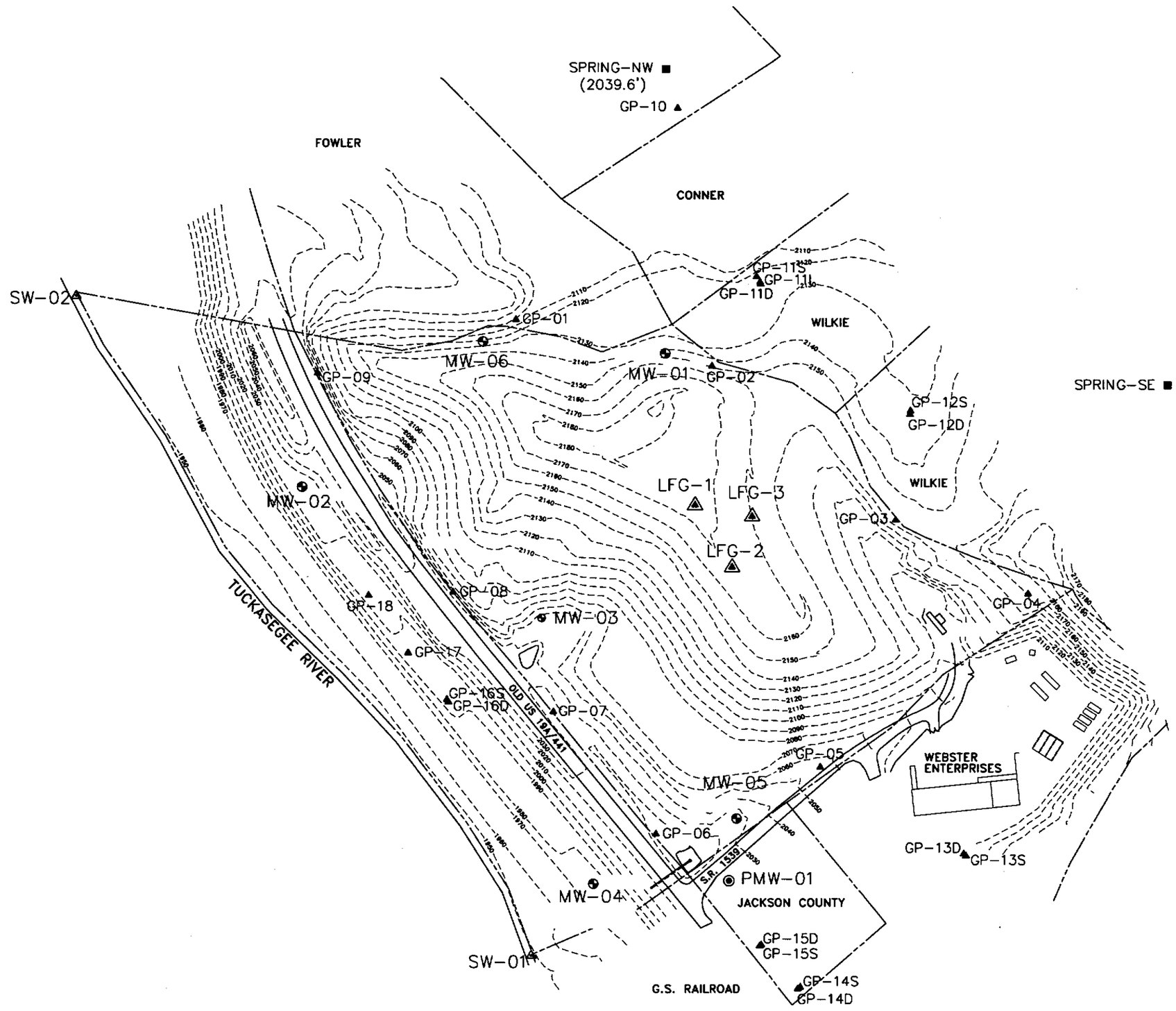

NOTES:

1. TOPOGRAPHIC CONTOURS ARE FOR REPRESENTATIVE PURPOSES. CONTOURS OBTAINED FROM McGILL ASSOCIATES.

LEGEND:

- MW-1 MONITORING WELL LOCATION
- SW-1 SURFACE WATER SAMPLE LOCATION
- GP-1 GAS PROBE LOCATION
- PMV-1 PRIVATE MONITORING WELL LOCATION
- SPRING-NW SPRING LOCATION
- PROPERTY BOUNDARY

GRAPHIC SCALE (FEET)

200 0 100 200

REV.	DATE	DESCRIPTION	BY	CHK	APV
6	06-20-06	UPDATE	ZP	JSM	
5	01-08-05	UPDATE	ZP	JSM	
4	06-18-04	UPDATE	ZP	JSM	
3	11-21-03	UPDATE	ZP	JSM	
2	05-13-02	UPDATE	SDK	JSM	
1	11-12-01	ORIGINAL	JMC	JPM	

DRAWN BY: JMC DATE: 11-12-01
PROJECT NUMBER: 2040.12
CADD DIRECTORY: P:\JACKSON\DILLSBORO GW\FIGURES
CADD FILENAME: FIGURE 2 LOCATION MAP

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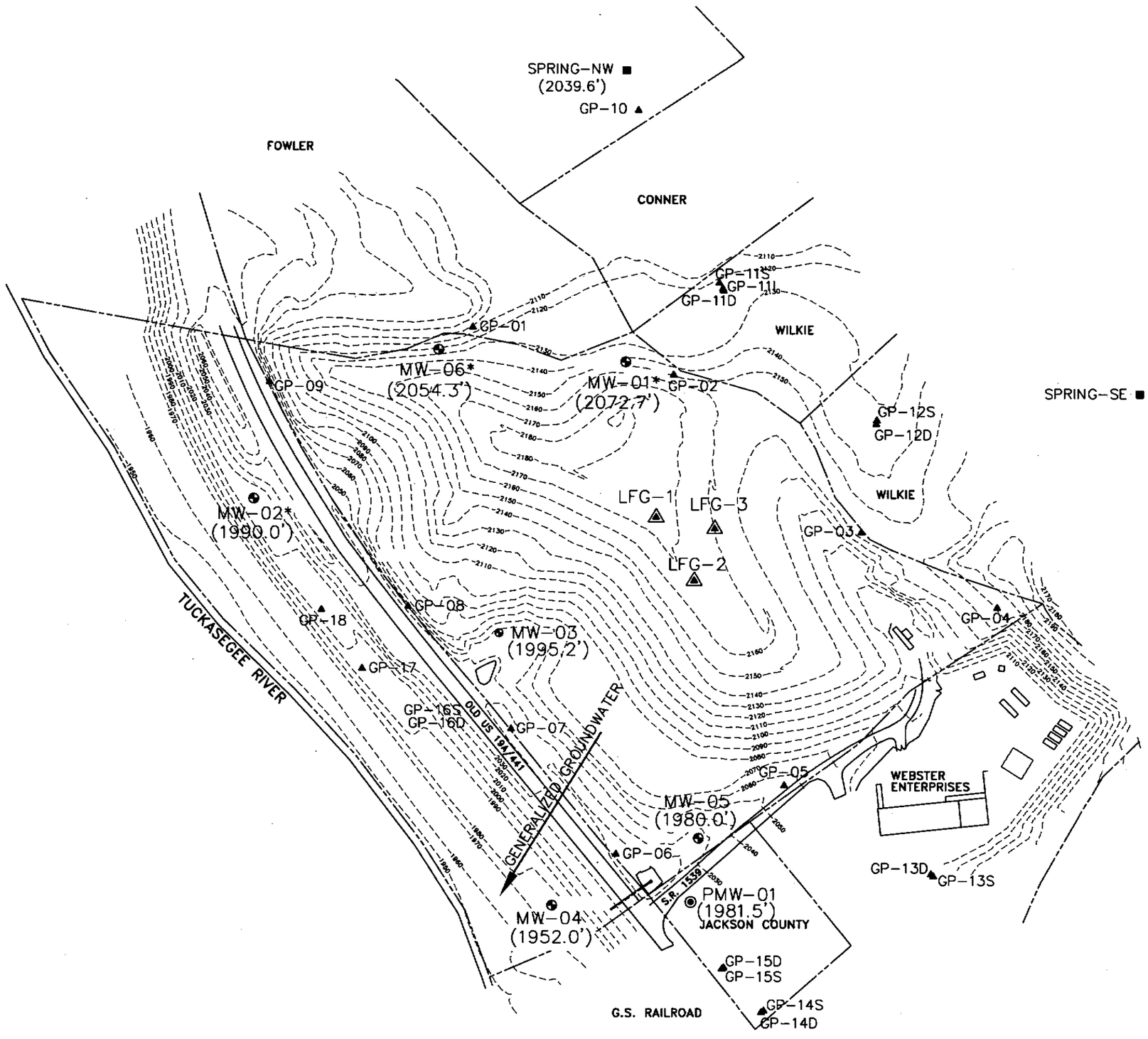
MONITORING WELL AND GAS PROBE LOCATION MAP

JACKSON COUNTY LANDFILL
JACKSON COUNTY, NORTH CAROLINA

FIGURE
2



NOTES:

1. TOPOGRAPHIC CONTOURS ARE FOR REPRESENTATIVE PURPOSES. CONTOURS OBTAINED FROM McGILL ASSOCIATES.
2. GROUNDWATER FLOW DIRECTION BASED ON GROUNDWATER ELEVATIONS MEASURED ON APRIL 13, 2006 IN MW-3, MW-4, AND MW-5 (WATER TABLE WELLS).

LEGEND:

- MW-1 MONITORING WELL LOCATION
- GP-1 GAS PROBE LOCATION
- PMV-1 PRIVATE MONITORING WELL LOCATION
- SPRING-NW SPRING LOCATION
- PROPERTY BOUNDARY

GRAPHIC SCALE (FEET)

200 0 100 200

REV.	DATE	DESCRIPTION	BY	CHK	APV
6	06-29-06	UPDATE	ZP	JSM	
5	01-08-05	UPDATE	ZP	JSM	
4	06-18-04	UPDATE	ZP	RH	
3	11-21-03	UPDATE	ZP	JSM	
2	05-13-02	UPDATE	SDX	JSM	
1	11-12-01	ORIGINAL	JMC	JPM	

DRAWN BY: JMC DATE: 11-12-01
PROJECT NUMBER: 2040.15
CADD DIRECTORY: P:\JACKSON\DILLSBORO GW\FIGURES
CADD FILENAME: FIGURE 3 FLOW DIRECTION.dwg

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GENERALIZED GROUNDWATER FLOW DIRECTION–SAPROLITE AND PARTIALLY WEATHERED BEDROCK ZONE

JACKSON COUNTY LANDFILL
JACKSON COUNTY, NORTH CAROLINA

FIGURE
3

TABLES

Table 1
Water Quality Field Parameters
Jackson County MSWLF
Jackson County, North Carolina
April 13, 2006

Well ID	Date	Sample Collection Time	Depth to Groundwater (feet)	pH (SU)	Temperature (°C)	Specific Conductivity (µS)
MW-01	4/13/2006	11:42	98.69	5.47	16.2	128.9
MW-02	4/13/2006	15:31	25.39	6.13	15.9	126.4
MW-03	4/13/2006	14:38	50.29	5.69	17.4	286.0
MW-04	4/13/2006	13:41	28.79	5.49	16.4	445.0
PMW-01	4/13/2006	12:26	41.94	5.50	16.9	164.4
MW-05	4/13/2006	NS	48.99	NS	NS	NS
MW-06	4/13/2006	10:46	85.26	5.33	16.4	70.5
SW-01	4/13/2006	13:49	NA	6.82	15.9	32.6
SW-02	4/13/2006	15:49	NA	7.53	17.6	33.1

Notes:

1. µS means micro-siemen.
2. Depth to Water measured from top of casing.
3. pH is measured in Standard Units.
4. NA means Not Applicable.
5. NS indicates the well was Not Sampled due to an obstruction in the casing.

Table 2
Summary of Analytical Results for Appendix I Metals
Jackson County MSWLF
Jackson County, North Carolina
April 13, 2006

Metal	MW-01	MW-02	MW-03	MW-04	PMW-01	MW-05	MW-06	SW-01	SW-02	NC 2L Standard
Barium +	0.14	0.048	0.14	**14**	1.4	NS	0.12	0.015	0.014	2.0
Beryllium	<0.0010	<0.0010	<0.0010	<0.0010	0.0024	NS	<0.0010	<0.0010	<0.0010	NL
Cadmium +	**0.0042**	<0.0010	<0.0010	<0.0010	<0.0010	NS	<0.0010	<0.0010	<0.0010	0.00175
Chromium +	0.0021	<0.0020	<0.0020	0.0068	**0.12**	NS	0.02	<0.0020	<0.0020	0.05
Cobalt	0.12	<0.0050	0.066	<0.0050	0.035	NS	0.012	<0.0050	<0.0050	NL
Copper	0.028	<0.0020	0.002	0.0075	0.074	NS	0.041	<0.0020	0.0048	1.0
Lead +	<0.0050	<0.0050	<0.0050	<0.0050	**0.028**	NS	0.0083	<0.0050	<0.0050	0.015
Mercury +	<0.00020	<0.00020	<0.00020	0.00029	**0.0017**	NS	<0.00020	<0.00020	<0.00020	0.00105
Nickel	0.013	<0.0050	0.0067	0.0069	0.062	NS	0.018	<0.0050	<0.0050	0.1
Vanadium	<0.0050	<0.0050	<0.0050	0.0092	0.16	NS	0.021	<0.0050	<0.0050	NL
Zinc	0.057	<0.010	<0.010	0.037	0.29	NS	0.086	<0.010	<0.010	1.05

Notes:

1. Concentrations are in milligrams per liter (mg/L).
2. < indicates compound not detected at or above the concentration shown (Pace detection limit).
3. NC 2L Standard comes from the "North Carolina Administrative Code, Title 15A: Department of Environment, Health, and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," April 1, 2005.
4. **Bold** concentrations indicate an exceedance of the 2L Standard in monitoring wells.
5. Only compounds detected above laboratory detection limits are shown. For a complete list of analyses and dection limits, refer to the analytical laboratory reports.
6. NL indicates the compound does not have an applicable 2L Standard.
7. NS indicates the well was Not Sampled due to an obstruction in the casing.
8. Appendix I Metals analyses by various USEPA Methods.

Table 3
Summary of Analytical Results for Appendix I Volatile Organic Compounds (VOCs)
Jackson County MSWLF
Jackson County, North Carolina
April 13, 2006

Compound	MW-01	MW-02	MW-03	MW-04	PMW-01	MW-05	MW-06	SW-01	SW-02	NC 2L Standard
1,1-Dichloroethane	6.1	<5.0	<5.0	<5.0	<5.0	NS	7.3	<5.0	<5.0	70
1,4-Dichlorobenzene +	**14**	<5.0	**12**	**7.8**	**6.9**	NS	**14**	<5.0	<5.0	1.4
Benzene +	**8**	<5.0	<5.0	<5.0	<5.0	NS	**6.3**	<5.0	<5.0	1
Chlorobenzene	<5.0	<5.0	7.7	5.8	7.3	NS	<5.0	<5.0	<5.0	50
cis-1,2-Dichloroethene	17	<5.0	5.4	11	17	NS	17	<5.0	<5.0	70
Ethylbenzene	11	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<5.0	550
m&p-Xylene	18	<10.	<10.	<10.	<10.	NS	<10.	<10.	<10.	NL
Methylene Chloride +	<5.0	<5.0	<5.0	<5.0	<5.0	NS	**8.7**	<5.0	<5.0	4.6
o-Xylene	23	<5.0	<5.0	<5.0	<5.0	NS	11	<5.0	<5.0	NL
Toluene	7.3	<5.0	<5.0	<5.0	<5.0	NS	<5.0	<5.0	<5.0	1000
Xylenes (Total)	41	<5.0	<5.0	<5.0	<5.0	NS	11	<5.0	<5.0	530

Notes:

1. Concentrations are in micrograms per liter (µg/L).
2. < indicates compound not detected at or above the concentration shown (Pace detection limit).
3. NC 2L Standard comes from the "North Carolina Administrative Code, Title 15A: Department of Environment, Health, and Natural Resources, Subchapter 2L - Groundwater Classifications and Standards," April 1, 2005.
4. **Bold** concentrations indicate an exceedance of the 2L Standard in monitoring wells.
5. Only compounds detected above laboratory detection limits are shown. For a complete list of analyses and detection limits, refer to the analytical laboratory reports.
6. NL indicates the compound is Not Listed in the 2L Standard.
7. NS indicates the well was not sampled due to an obstruction in the casing.
8. Appendix I VOCs analyses by USEPA Method 8260.

Table 4
Well Construction Details and Corresponding Elevations
Jackson County MSWLF
Jackson County, North Carolina
April 13, 2006

Well ID	Ground Surface Elevation	TOC Elevation	Depth To Water (from TOC)	Groundwater Elevation	Depth to Bedrock	Bedrock Elevation	Screened Interval	Elevation of Screened Interval
MW-01	2169.40	2171.42	98.69	2072.73	83.0	2086.40	95 to 110	2074.4 to 2059.4
MW-02	2013.15	2015.38	25.39	1989.99	13.0	2000.15	45 to 60	1968.2 to 1953.2
MW-03	2044.16	2045.53	50.29	1995.24	57.0	1987.16	48.5 to 63.5	1995.7 to 1980.7
MW-04	1978.68	1980.77	28.79	1951.98	NA	NA	25 to 40	1951.7 to 1936.7
PMW-01	2023.92	2023.45	41.94	1981.51	#	#	#	#
MW-05	2027.38	2028.97	48.99	1979.98	NA	NA	50 to 60	1977.4 to 1967.4
MW-06	2136.58	2139.57	85.26	2054.31	47.6	2089.0	84.6 to 94.6	2052.0 to 2042.0

Notes:

1. All elevations are in feet, measured relative to mean sea level, and are based on a survey completed on April 9, 1999 by Davenport & Assoc., Inc.
2. TOC means Top of Casing
3. NA means Not Applicable
4. Depth to Bedrock and Screened Interval taken from boring logs completed on April 21, 22, and 23, 1992 by S&ME.
   Except MW-6 which is from an Altamont boring log completed 3/23/04.
5. PMW well construction details are unknown.

APPENDICES

APPENDIX A

SAMPLING LOGS

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: 11:42
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich — WEATHER: Partly Cloudy

WELL NUMBER: MW-01
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Strong Methane odor

WELL DEPTH IN FEET (WD): 112.26 DATE:
WATER LEVEL IN FEET (WL): 98.69 DATE: TIME: 10:58
LENGTH OF WATER COLUMN: 13.57 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.30 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.90 GALLONS
ACTUAL VOLUME PURGED: 6.90 GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	initial	5.50	123.8	15.9	1.66	29	4.50	Clear
2	2.50	5.51	127.3	15.6	1.49	16	14.38	Clear
3	4.80	5.54	128.2	16.0	1.84	18	14.85	Clear
4	6.90	5.47	128.9	16.2	1.81	10	20.11	Sample
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: Good PAD: Good LOCK: Good VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

ALTAMONT ENVIRONMENTAL, INC.
ENGINEERING & HYDROGEOLOGY
50 COLLEGE STREET, ASHEVILLE, NC 28801
TEL. 828.281.3350 FAC.828.281.3351
www.altamontenvironmental.com

Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: 13:31
SAMPLING PERSONNEL: Jon Hazinski / Evans Vukovich — WEATHER: Sunny, Hot

WELL NUMBER: MW - 02
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 62.65 DATE:
WATER LEVEL IN FEET (WL): 25.39 DATE: TIME: 14:47
LENGTH OF WATER COLUMN: 37.26 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 6.33 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 19.00 GALLONS
ACTUAL VOLUME PURGED: 19.00 GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	Initial	6.03	124.8	16.3°	7.24	68	19.47	clear
2	6.33	6.07	124.9	15.8	8.79	72	7.03	clear
3	12.66	6.11	125.9	16.1°	8.76	55	2.67	clear
4	19.00	6.13	126.4	15.9°	6.32	62	2.16	Clear
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: ✓ PAD: ✓ LOCK: ✓ VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: 14:38
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich — WEATHER: P.Cloudy, Sunny

WELL NUMBER: MW-03
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 62.40 — DATE:
WATER LEVEL IN FEET (WL): 50.29 — DATE: TIME: 14:07
LENGTH OF WATER COLUMN: 12.11 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.06 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.18 GALLONS
ACTUAL VOLUME PURGED: 6.18 GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	initial	5.62	270	17.9°	2.16	52	2.17	Clear
2	2.06	5.62	290	16.8°	2.29	22	2.30	clear
3	4.12	5.64	289	17.1	2.89	17	4.51	clear
4	6.18	5.69	286	17.4°	3.38	18	4.96	clear
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: OK PAD: OK LOCK: Cut VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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www.altamontenvironmental.com

Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: 13:41
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich — WEATHER: P. Cloudy + Sunny

WELL NUMBER: MW-04 — WELL DEPTH IN FEET (WD): 42.45 — DATE:
WELL DIAMETER: 2" — WATER LEVEL IN FEET (WL): 28.79 — DATE: TIME: 13:19
TYPE OF CASING: PVC — LENGTH OF WATER COLUMN: 13.66 FEET
MEASURING POINT: TOC — (WD) - (WL) = (LWC)
FLUSH MOUNT / STICK-UP — ONE CASING VOLUME: 2.32 GALLONS
COMMENTS: — (LWC) x (WCV)
THREE CASING VOLUMES: 6.97 GALLONS
ACTUAL VOLUME PURGED: 6.97 GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	Initial	5.36	426	16.4	1.40	114	5.82	clear
2	2.30	5.43	460	15.9	2.54	108	13.78	clear
3	4.60	5.43	459	15.9	3.27	122	15.64	clear
4	6.90	5.49	445	16.4	4.03	105	17.62	Clear Sample
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: Good PAD: Good LOCK: Good VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: —
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich — WEATHER: Partly Cloudy

WELL NUMBER: MW-05
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS: Bailer does not fit down through the casing, so no samples obtained

WELL DEPTH IN FEET (WD): 60.00 — DATE:
WATER LEVEL IN FEET (WL): 48.99 — DATE: — TIME: 11:58
LENGTH OF WATER COLUMN: — FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: — GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: — GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY	COMMENTS
1								
2								
3								
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC		Appendix I Metals
40 ml GLASS		Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: OK PAD: OK LOCK: No VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill	DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co.	SAMPLING TIME: 12:26
SAMPLING PERSONNEL: Jon Hazinski / Evan Vukovich	WEATHER: P. Cloudy

WELL NUMBER: PMW-01	WELL DEPTH IN FEET (WD): 46.31	DATE:	
WELL DIAMETER: 2"	WATER LEVEL IN FEET (WL): 41.94	DATE:	TIME: 12:05
TYPE OF CASING: PVC	LENGTH OF WATER COLUMN : 4.37	FEET	
MEASURING POINT: TOC	(WD) - (WL) = (LWC)		
FLUSH MOUNT / STICK-UP	ONE CASING VOLUME: 0.74	GALLONS	
COMMENTS: well bailed dry @ 1.5 gal, Allowed to recharge and collected sample.	(LWC) x (WCV)		
	THREE CASING VOLUMES: 2.23	GALLONS	
	ACTUAL VOLUME PURGED: 1.50	GALLONS	

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	initial	5.37	169.1	18.0	1.38	108	85.42	clear
2	.75	5.36	167.9	17.1	2.18	109	670.0	brownish
3	1.50	5.50	164.4	16.9	2.54	105	571.4	brownish
4	well dry - sample							
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: ok PAD: ok LOCK: ok VEGETATION: ok ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill
DATE: 4-13-06
LOCATION: Dillsboro LF, Jackson Co.
SAMPLING TIME: 10:46
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich
WEATHER: Partly Cloudy

WELL NUMBER: MW-6
WELL DIAMETER: 2"
TYPE OF CASING: PVC
MEASURING POINT: TOC
FLUSH MOUNT / STICK-UP
COMMENTS:

WELL DEPTH IN FEET (WD): 97.25 DATE:
WATER LEVEL IN FEET (WL): 85.26 DATE: TIME: 9:57
LENGTH OF WATER COLUMN: 11.99 FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: 2.04 GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: 6.12 GALLONS
ACTUAL VOLUME PURGED: 6.12 GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS brownish
1	initial	5.55	102.9	16.7°	4.65	47	218.7	turbid
2	2.0	5.30	72.5	16.0°	3.25	84	287.5	turbid
3	4.0	5.28	67.1	15.9°	2.61	73	336.1	turbid
4	6.0	5.33	70.5	16.4°	2.33	65	187.0	turbid
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: OK PAD: OK LOCK: Broken VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill — DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co. — SAMPLING TIME: 13:49
SAMPLING PERSONNEL: Jon Hazinski / Evan Vukovich — WEATHER: Sunny

WELL NUMBER: SW-01
WELL DIAMETER: —
TYPE OF CASING: —
MEASURING POINT: —
FLUSH MOUNT / STICK-UP
COMMENTS: —

WELL DEPTH IN FEET (WD): — DATE:
WATER LEVEL IN FEET (WL): — DATE: TIME: 13:45
LENGTH OF WATER COLUMN : — FEET
(WD) - (WL) = (LWC) —
ONE CASING VOLUME: — GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: — GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	Sample	6.82	32.6	16.9	11.83	70	4.93	clear
2								
3								
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: — PAD: — LOCK: — VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

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Well Sampling Log

FACILITY NAME: Dillsboro Landfill
DATE: 4/13/06
LOCATION: Dillsboro LF, Jackson Co.
SAMPLING TIME: 15:49
SAMPLING PERSONNEL: Jon Hazinski / Evan Yurkovich
WEATHER: Sunny, Hot

WELL NUMBER: SW-02
WELL DIAMETER: —
TYPE OF CASING: —
MEASURING POINT: —
FLUSH MOUNT / STICK-UP
COMMENTS: —

WELL DEPTH IN FEET (WD): — DATE:
WATER LEVEL IN FEET (WL): — DATE: TIME: 15:39
LENGTH OF WATER COLUMN : — FEET
(WD) - (WL) = (LWC)
ONE CASING VOLUME: — GALLONS
(LWC) x (WCV)
THREE CASING VOLUMES: — GALLONS
ACTUAL VOLUME PURGED: — GALLONS

WELL CASING VOLUMES (WCV)
2" = 0.17 Gal/Ft 3" = 0.38 Gal/Ft 4" = 0.66 Gal/Ft 6" = 1.5 Gal/Ft 8" = 2.6 Gal/Ft 12" = 5.8 Gal/Ft

PURGE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:
SAMPLE METHOD: BAILER-TEFLON BAILER-DISP. DEDICATED PUMP WHALE PUMP GRUNDFOS OTHER:

READING	GALLONS PURGED	pH UNITS	SPECIFIC COND. (µS)	TEMP (C°)	DISSOLVED OXYGEN (mg/L)	OXIDATION REDUCTION POTENTIAL (mV)	COLOR AND TURBIDITY NTU	COMMENTS
1	Sample	7.53	33.1	17.6	11.30	001	4.55	Clear
2								
3								
4								
5								
6								
7								
8								
9								

SAMPLING CONTAINER	NUMBER OF CONTAINERS	REQUESTED ANALYSIS
250 ml PLASTIC	1	Appendix I Metals
40 ml GLASS	3	Appendix I VOCs by 8260
1 L GLASS		
OTHER		

PROTECTIVE CASING: — PAD: — LOCK: — VEGETATION: OK ACCESS: GOOD / POOR

Sampling Personnel Signature: [signature] **Date:** 4-13-06

Notes: µS = micro-Siemen
mV = millivolt
mg/L = milligrams per liter
C° = degrees Celcius

APPENDIX B

LABORATORY ANALYTICAL REPORTS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9800 Kincey Avenue, Suite 100
Huntersville, NC 28078
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Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

April 27, 2006

RECEIVED
MAY 04 2006

Mr. Jim McElduff
Altamont Environmental
50 College Street
Asheville, NC 28801

RE: Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Dear Mr. McElduff:

Enclosed are the analytical results for sample(s) received by the laboratory April 13, 2006through April 14, 2006 Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

Inorganic Wet Chemistry and Metals Analyses were performed at our Pace Asheville laboratory and Organic testing was performed at our Pace Charlotte laboratory unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lorri Patton
lorri.patton@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

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Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870411 | Project Sample Number: 92117354-001 | Date Collected: 04/13/06 11:42
Client Sample ID: MW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/25/06 01:34	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/25/06 01:34	SAJ	7440-38-2		
Barium	0.14	mg/l	0.0050	04/25/06 01:34	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/25/06 01:34	SAJ	7440-41-7		
Cadmium	0.0042	mg/l	0.0010	04/25/06 01:34	SAJ	7440-43-9		
Chromium	0.0021	mg/l	0.0020	04/25/06 01:34	SAJ	7440-47-3		
Cobalt	0.12	mg/l	0.0050	04/25/06 01:34	SAJ	7440-48-4		
Copper	0.028	mg/l	0.0020	04/25/06 01:34	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/25/06 01:34	SAJ	7439-92-1		
Nickel	0.013	mg/l	0.0050	04/25/06 01:34	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/25/06 01:34	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/25/06 01:34	SAJ	7440-22-4		
Vanadium	ND	mg/l	0.0050	04/25/06 01:34	SAJ	7440-62-2		
Zinc	0.057	mg/l	0.010	04/25/06 01:34	SAJ	7440-66-6		
Date Digested	04/17/06 16:45			04/17/06 16:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 02:59	MCK	67-64-1		
Benzene	8.0	ug/l	5.0	04/24/06 02:59	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 02:59	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 02:59	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 02:59	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 02:59	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 02:59	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 02:59	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 02:59	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 02:59	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 02:59	MCK	74-87-3		

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Phone: 828.254.7176
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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870411 | Project Sample Number: 92117354-001 | Date Collected: 04/13/06 11:42
Client Sample ID: MW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 02:59	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 02:59	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 02:59	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 02:59	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 02:59	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 02:59	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	541-73-1		
1,4-Dichlorobenzene	14.	ug/l	5.0	04/24/06 02:59	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 02:59	MCK	75-71-8		
1,1-Dichloroethane	6.1	ug/l	5.0	04/24/06 02:59	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 02:59	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 02:59	MCK	75-35-4		
cis-1,2-Dichloroethene	17.	ug/l	5.0	04/24/06 02:59	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 02:59	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 02:59	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 02:59	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 02:59	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 02:59	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 02:59	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 02:59	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 02:59	MCK	108-20-3		
Ethylbenzene	11.	ug/l	5.0	04/24/06 02:59	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 02:59	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 02:59	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 02:59	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 02:59	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 02:59	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 02:59	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 02:59	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 02:59	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 02:59	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 02:59	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 02:59	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 02:59	MCK	127-18-4		
Toluene	7.3	ug/l	5.0	04/24/06 02:59	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870411 | Project Sample Number: 92117354-001 | Date Collected: 04/13/06 11:42
Client Sample ID: MW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 02:59	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 02:59	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 02:59	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 02:59	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 02:59	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 02:59	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 02:59	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 02:59	MCK	75-01-4		
Xylene (Total)	41.	ug/l	5.0	04/24/06 02:59	MCK	1330-20-7		
m&p-Xylene	18.	ug/l	10.	04/24/06 02:59	MCK			
o-Xylene	23.	ug/l	5.0	04/24/06 02:59	MCK	95-47-6		
Toluene-d8 (S)	96	%		04/24/06 02:59	MCK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		04/24/06 02:59	MCK	460-00-4		
Dibromofluoromethane (S)	98	%		04/24/06 02:59	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		04/24/06 02:59	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870429 | Project Sample Number: 92117354-002 | Date Collected: 04/13/06 15:31
Client Sample ID: MW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7440-38-2		
Barium	0.048	mg/l	0.0050	04/25/06 01:38	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/25/06 01:38	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/25/06 01:38	SAJ	7440-43-9		
Chromium	ND	mg/l	0.0020	04/25/06 01:38	SAJ	7440-47-3		
Cobalt	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7440-48-4		
Copper	ND	mg/l	0.0020	04/25/06 01:38	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7439-92-1		
Nickel	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/25/06 01:38	SAJ	7440-22-4		
Vanadium	ND	mg/l	0.0050	04/25/06 01:38	SAJ	7440-62-2		
Zinc	ND	mg/l	0.010	04/25/06 01:38	SAJ	7440-66-6		
Date Digested	04/17/06 16:45			04/17/06 16:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 03:15	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 03:15	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 03:15	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 03:15	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 03:15	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 03:15	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 03:15	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 03:15	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 03:15	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 03:15	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 03:15	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870429 | Project Sample Number: 92117354-002 | Date Collected: 04/13/06 15:31
Client Sample ID: MW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:15	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:15	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 03:15	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 03:15	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 03:15	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 03:15	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 03:15	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 03:15	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 03:15	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 03:15	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:15	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 03:15	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:15	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 03:15	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:15	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:15	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 03:15	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 03:15	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 03:15	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 03:15	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 03:15	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 03:15	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 03:15	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 03:15	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 03:15	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 03:15	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 03:15	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 03:15	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870429 | Project Sample Number: 92117354-002 | Date Collected: 04/13/06 15:31
Client Sample ID: MW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 03:15	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 03:15	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 03:15	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 03:15	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:15	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 03:15	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 03:15	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 03:15	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 03:15	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 03:15	MCK	95-47-6		
Toluene-d8 (S)	98	%		04/24/06 03:15	MCK	2037-26-5		
4-Bromofluorobenzene (S)	108	%		04/24/06 03:15	MCK	460-00-4		
Dibromofluoromethane (S)	100	%		04/24/06 03:15	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		04/24/06 03:15	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870437 | Project Sample Number: 92117354-003 | Date Collected: 04/13/06 14:38
Client Sample ID: MW-03 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/25/06 01:43	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/25/06 01:43	SAJ	7440-38-2		
Barium	0.14	mg/l	0.0050	04/25/06 01:43	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/25/06 01:43	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/25/06 01:43	SAJ	7440-43-9		
Chromium	ND	mg/l	0.0020	04/25/06 01:43	SAJ	7440-47-3		
Cobalt	0.066	mg/l	0.0050	04/25/06 01:43	SAJ	7440-48-4		
Copper	0.0020	mg/l	0.0020	04/25/06 01:43	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/25/06 01:43	SAJ	7439-92-1		
Nickel	0.0067	mg/l	0.0050	04/25/06 01:43	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/25/06 01:43	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/25/06 01:43	SAJ	7440-22-4		
Vanadium	ND	mg/l	0.0050	04/25/06 01:43	SAJ	7440-62-2		
Zinc	ND	mg/l	0.010	04/25/06 01:43	SAJ	7440-66-6		
Date Digested	04/17/06 16:45			04/17/06 16:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 03:31	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 03:31	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 03:31	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 03:31	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 03:31	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 03:31	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 03:31	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 03:31	MCK	56-23-5		
Chlorobenzene	7.7	ug/l	5.0	04/24/06 03:31	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 03:31	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 03:31	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 03:31	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870437 | Project Sample Number: 92117354-003 | Date Collected: 04/13/06 14:38
Client Sample ID: MW-03 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:31	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:31	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 03:31	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 03:31	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 03:31	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 03:31	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	541-73-1		
1,4-Dichlorobenzene	12.	ug/l	5.0	04/24/06 03:31	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 03:31	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 03:31	MCK	75-35-4		
cis-1,2-Dichloroethene	5.4	ug/l	5.0	04/24/06 03:31	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 03:31	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:31	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 03:31	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:31	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 03:31	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:31	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:31	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 03:31	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 03:31	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 03:31	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 03:31	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 03:31	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 03:31	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 03:31	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 03:31	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 03:31	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 03:31	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 03:31	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 03:31	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870437 | Project Sample Number: 92117354-003 | Date Collected: 04/13/06 14:38
Client Sample ID: MW-03 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 03:31	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 03:31	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 03:31	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 03:31	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:31	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 03:31	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 03:31	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 03:31	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 03:31	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 03:31	MCK	95-47-6		
Toluene-d8 (S)	100	%		04/24/06 03:31	MCK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		04/24/06 03:31	MCK	460-00-4		
Dibromofluoromethane (S)	100	%		04/24/06 03:31	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	95	%		04/24/06 03:31	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870445 | Project Sample Number: 92117354-004 | Date Collected: 04/13/06 13:41
Client Sample ID: MW-04 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/25/06 01:47	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/25/06 01:47	SAJ	7440-38-2		
Barium	14.	mg/l	0.025	04/25/06 01:47	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/25/06 01:47	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/25/06 01:47	SAJ	7440-43-9		
Chromium	0.0068	mg/l	0.0020	04/25/06 01:47	SAJ	7440-47-3		
Cobalt	ND	mg/l	0.0050	04/25/06 01:47	SAJ	7440-48-4		
Copper	0.0075	mg/l	0.0020	04/25/06 01:47	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/25/06 01:47	SAJ	7439-92-1		
Nickel	0.0069	mg/l	0.0050	04/25/06 01:47	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/25/06 01:47	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/25/06 01:47	SAJ	7440-22-4		
Vanadium	0.0092	mg/l	0.0050	04/25/06 01:47	SAJ	7440-62-2		
Zinc	0.037	mg/l	0.010	04/25/06 01:47	SAJ	7440-66-6		
Date Digested	04/17/06 16:45			04/17/06 16:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	0.00029	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 03:47	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 03:47	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 03:47	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 03:47	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 03:47	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 03:47	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 03:47	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 03:47	MCK	56-23-5		
Chlorobenzene	5.8	ug/l	5.0	04/24/06 03:47	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 03:47	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 03:47	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 03:47	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870445 | Project Sample Number: 92117354-004 | Date Collected: 04/13/06 13:41
Client Sample ID: MW-04 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:47	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 03:47	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 03:47	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 03:47	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 03:47	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 03:47	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	541-73-1		
1,4-Dichlorobenzene	7.8	ug/l	5.0	04/24/06 03:47	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 03:47	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 03:47	MCK	75-35-4		
cis-1,2-Dichloroethene	11.	ug/l	5.0	04/24/06 03:47	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 03:47	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:47	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 03:47	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 03:47	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 03:47	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:47	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 03:47	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 03:47	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 03:47	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 03:47	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 03:47	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 03:47	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 03:47	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 03:47	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 03:47	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 03:47	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 03:47	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 03:47	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 03:47	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870445 | Project Sample Number: 92117354-004 | Date Collected: 04/13/06 13:41
Client Sample ID: MW-04 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 03:47	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 03:47	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 03:47	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 03:47	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 03:47	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 03:47	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 03:47	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 03:47	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 03:47	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 03:47	MCK	95-47-6		
Toluene-d8 (S)	99	%		04/24/06 03:47	MCK	2037-26-5		
4-Bromofluorobenzene (S)	106	%		04/24/06 03:47	MCK	460-00-4		
Dibromofluoromethane (S)	99	%		04/24/06 03:47	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		04/24/06 03:47	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870510 | Project Sample Number: 92117354-005 | Date Collected: 04/13/06 12:26
Client Sample ID: PMW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/25/06 01:51	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/25/06 01:51	SAJ	7440-38-2		
Barium	1.4	mg/l	0.0050	04/25/06 01:51	SAJ	7440-39-3		
Beryllium	0.0024	mg/l	0.0010	04/25/06 01:51	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/25/06 01:51	SAJ	7440-43-9		
Chromium	0.12	mg/l	0.0020	04/25/06 01:51	SAJ	7440-47-3		
Cobalt	0.035	mg/l	0.0050	04/25/06 01:51	SAJ	7440-48-4		
Copper	0.074	mg/l	0.0020	04/25/06 01:51	SAJ	7440-50-8		
Lead	0.028	mg/l	0.0050	04/25/06 01:51	SAJ	7439-92-1		
Nickel	0.062	mg/l	0.0050	04/25/06 01:51	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/25/06 01:51	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/25/06 01:51	SAJ	7440-22-4		
Vanadium	0.16	mg/l	0.0050	04/25/06 01:51	SAJ	7440-62-2		
Zinc	0.29	mg/l	0.010	04/25/06 01:51	SAJ	7440-66-6		
Date Digested	04/17/06 16:45			04/17/06 16:45				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	0.0017	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 04:03	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 04:03	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 04:03	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 04:03	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 04:03	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 04:03	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 04:03	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 04:03	MCK	56-23-5		
Chlorobenzene	7.3	ug/l	5.0	04/24/06 04:03	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 04:03	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 04:03	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 04:03	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870510 | Project Sample Number: 92117354-005 | Date Collected: 04/13/06 12:26
Client Sample ID: PMW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:03	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:03	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 04:03	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 04:03	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 04:03	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 04:03	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	541-73-1		
1,4-Dichlorobenzene	6.9	ug/l	5.0	04/24/06 04:03	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 04:03	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 04:03	MCK	75-35-4		
cis-1,2-Dichloroethene	17.	ug/l	5.0	04/24/06 04:03	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:03	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:03	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 04:03	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:03	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 04:03	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:03	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:03	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 04:03	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 04:03	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 04:03	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 04:03	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 04:03	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 04:03	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 04:03	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 04:03	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 04:03	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 04:03	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 04:03	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 04:03	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870510
Client Sample ID: PMW-01

Project Sample Number: 92117354-005
Matrix: Water

Date Collected: 04/13/06 12:26
Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 04:03	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 04:03	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 04:03	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 04:03	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:03	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 04:03	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 04:03	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 04:03	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 04:03	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 04:03	MCK	95-47-6		
Toluene-d8 (S)	99	%		04/24/06 04:03	MCK	2037-26-5		
4-Bromofluorobenzene (S)	107	%		04/24/06 04:03	MCK	460-00-4		
Dibromofluoromethane (S)	97	%		04/24/06 04:03	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	93	%		04/24/06 04:03	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870528 | Project Sample Number: 92117354-006 | Date Collected: 04/13/06 10:46
Client Sample ID: MW-06 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/26/06 22:05	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/26/06 22:05	SAJ	7440-38-2		
Barium	0.12	mg/l	0.0050	04/26/06 22:05	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/26/06 22:05	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/26/06 22:05	SAJ	7440-43-9		
Chromium	0.020	mg/l	0.0020	04/26/06 22:05	SAJ	7440-47-3		
Cobalt	0.012	mg/l	0.0050	04/26/06 22:05	SAJ	7440-48-4		
Copper	0.041	mg/l	0.0020	04/26/06 22:05	SAJ	7440-50-8		
Lead	0.0083	mg/l	0.0050	04/26/06 22:05	SAJ	7439-92-1		
Nickel	0.018	mg/l	0.0050	04/26/06 22:05	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/26/06 22:05	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/26/06 22:05	SAJ	7440-22-4		
Vanadium	0.021	mg/l	0.0050	04/26/06 22:05	SAJ	7440-62-2		
Zinc	0.086	mg/l	0.010	04/26/06 22:05	SAJ	7440-66-6		
Date Digested	04/17/06 18:37			04/17/06 18:37				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 04:19	MCK	67-64-1		
Benzene	6.3	ug/l	5.0	04/24/06 04:19	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 04:19	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 04:19	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 04:19	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 04:19	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 04:19	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 04:19	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 04:19	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 04:19	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 04:19	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870528 | Project Sample Number: 92117354-006 | Date Collected: 04/13/06 10:46
Client Sample ID: MW-06 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:19	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:19	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 04:19	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 04:19	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 04:19	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 04:19	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	541-73-1		
1,4-Dichlorobenzene	14.	ug/l	5.0	04/24/06 04:19	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 04:19	MCK	75-71-8		
1,1-Dichloroethane	7.3	ug/l	5.0	04/24/06 04:19	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 04:19	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 04:19	MCK	75-35-4		
cis-1,2-Dichloroethene	17.	ug/l	5.0	04/24/06 04:19	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:19	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:19	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 04:19	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:19	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 04:19	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:19	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:19	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 04:19	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 04:19	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 04:19	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 04:19	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 04:19	MCK	99-87-6		
Methylene chloride	8.7	ug/l	5.0	04/24/06 04:19	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 04:19	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 04:19	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 04:19	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 04:19	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:19	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:19	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 04:19	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 04:19	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870528 | Project Sample Number: 92117354-006 | Date Collected: 04/13/06 10:46
Client Sample ID: MW-06 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 04:19	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 04:19	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 04:19	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 04:19	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 04:19	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:19	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 04:19	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 04:19	MCK	75-01-4		
Xylene (Total)	11.	ug/l	5.0	04/24/06 04:19	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 04:19	MCK			
o-Xylene	11.	ug/l	5.0	04/24/06 04:19	MCK	95-47-6		
Toluene-d8 (S)	99	%		04/24/06 04:19	MCK	2037-26-5		
4-Bromofluorobenzene (S)	108	%		04/24/06 04:19	MCK	460-00-4		
Dibromofluoromethane (S)	100	%		04/24/06 04:19	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	97	%		04/24/06 04:19	MCK	17060-07-0		

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Fax: 828.252.4618

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870536 | Project Sample Number: 92117354-007 | Date Collected: 04/13/06 13:49
Client Sample ID: SW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7440-38-2		
Barium	0.015	mg/l	0.0050	04/26/06 22:10	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/26/06 22:10	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/26/06 22:10	SAJ	7440-43-9		
Chromium	ND	mg/l	0.0020	04/26/06 22:10	SAJ	7440-47-3		
Cobalt	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7440-48-4		
Copper	ND	mg/l	0.0020	04/26/06 22:10	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7439-92-1		
Nickel	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/26/06 22:10	SAJ	7440-22-4		
Vanadium	ND	mg/l	0.0050	04/26/06 22:10	SAJ	7440-62-2		
Zinc	ND	mg/l	0.010	04/26/06 22:10	SAJ	7440-66-6		
Date Digested	04/17/06 18:37			04/17/06 18:37				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 04:35	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 04:35	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 04:35	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 04:35	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 04:35	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 04:35	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 04:35	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 04:35	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 04:35	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 04:35	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 04:35	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870536 | Project Sample Number: 92117354-007 | Date Collected: 04/13/06 13:49
Client Sample ID: SW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:35	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:35	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 04:35	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 04:35	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 04:35	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 04:35	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 04:35	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 04:35	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:35	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:35	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:35	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 04:35	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:35	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 04:35	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:35	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:35	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 04:35	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 04:35	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 04:35	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 04:35	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 04:35	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 04:35	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 04:35	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 04:35	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 04:35	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 04:35	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 04:35	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 04:35	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	120-82-1		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870536 | Project Sample Number: 92117354-007 | Date Collected: 04/13/06 13:49
Client Sample ID: SW-01 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 04:35	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 04:35	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 04:35	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 04:35	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:35	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 04:35	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 04:35	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 04:35	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 04:35	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 04:35	MCK	95-47-6		
Toluene-d8 (S)	99	%		04/24/06 04:35	MCK	2037-26-5		
4-Bromofluorobenzene (S)	108	%		04/24/06 04:35	MCK	460-00-4		
Dibromofluoromethane (S)	100	%		04/24/06 04:35	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	98	%		04/24/06 04:35	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870544 | Project Sample Number: 92117354-008 | Date Collected: 04/13/06 15:49
Client Sample ID: SW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Metals								
Metals by Trace ICP	Prep/Method: EPA 3010 / EPA 6010							
Antimony	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7440-36-0		
Arsenic	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7440-38-2		
Barium	0.014	mg/l	0.0050	04/26/06 22:14	SAJ	7440-39-3		
Beryllium	ND	mg/l	0.0010	04/26/06 22:14	SAJ	7440-41-7		
Cadmium	ND	mg/l	0.0010	04/26/06 22:14	SAJ	7440-43-9		
Chromium	ND	mg/l	0.0020	04/26/06 22:14	SAJ	7440-47-3		
Cobalt	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7440-48-4		
Copper	0.0048	mg/l	0.0020	04/26/06 22:14	SAJ	7440-50-8		
Lead	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7439-92-1		
Nickel	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7440-02-0		
Selenium	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7782-49-2		
Silver	ND	mg/l	0.0020	04/26/06 22:14	SAJ	7440-22-4		
Vanadium	ND	mg/l	0.0050	04/26/06 22:14	SAJ	7440-62-2		
Zinc	ND	mg/l	0.010	04/26/06 22:14	SAJ	7440-66-6		
Date Digested	04/17/06 18:37			04/17/06 18:37				
Mercury, CVAAS, in Water	Method: EPA 7470							
Mercury	ND	mg/l	0.00020	04/17/06 10:56	ALV	7439-97-6		
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 04:50	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 04:50	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 04:50	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 04:50	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 04:50	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 04:50	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 04:50	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 04:50	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 04:50	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 04:50	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 04:50	MCK	74-87-3		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870544 | Project Sample Number: 92117354-008 | Date Collected: 04/13/06 15:49
Client Sample ID: SW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:50	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 04:50	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 04:50	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 04:50	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 04:50	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 04:50	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 04:50	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 04:50	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:50	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 04:50	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:50	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 04:50	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 04:50	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 04:50	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:50	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 04:50	MCK	10061-02-6		
Diisopropyl ether	ND	ug/l	5.0	04/24/06 04:50	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 04:50	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 04:50	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 04:50	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 04:50	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 04:50	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 04:50	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 04:50	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 04:50	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 04:50	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 04:50	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 04:50	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	120-82-1		

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Fax: 828.252.4618

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926870544 | Project Sample Number: 92117354-008 | Date Collected: 04/13/06 15:49
Client Sample ID: SW-02 | Matrix: Water | Date Received: 04/13/06 17:13

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 04:50	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 04:50	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 04:50	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 04:50	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 04:50	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 04:50	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 04:50	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 04:50	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 04:50	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 04:50	MCK	95-47-6		
Toluene-d8 (S)	97	%		04/24/06 04:50	MCK	2037-26-5		
4-Bromofluorobenzene (S)	109	%		04/24/06 04:50	MCK	460-00-4		
Dibromofluoromethane (S)	99	%		04/24/06 04:50	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	94	%		04/24/06 04:50	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926871443 | Project Sample Number: 92117354-009 | Date Collected: 04/13/06 00:00
Client Sample ID: TRIP BLANK | Matrix: Water | Date Received: 04/14/06 11:08

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
GC/MS Volatiles								
GC/MS VOCs by 8260	Method: EPA 8260							
Acetone	ND	ug/l	25.	04/24/06 00:28	MCK	67-64-1		
Benzene	ND	ug/l	5.0	04/24/06 00:28	MCK	71-43-2		
Bromobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	108-86-1		
Bromochloromethane	ND	ug/l	5.0	04/24/06 00:28	MCK	74-97-5		
Bromodichloromethane	ND	ug/l	5.0	04/24/06 00:28	MCK	75-27-4		
Bromoform	ND	ug/l	5.0	04/24/06 00:28	MCK	75-25-2		
Bromomethane	ND	ug/l	5.0	04/24/06 00:28	MCK	74-83-9		
2-Butanone (MEK)	ND	ug/l	10.	04/24/06 00:28	MCK	78-93-3		
n-Butylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	104-51-8		
sec-Butylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	135-98-8		
tert-Butylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	98-06-6		
Carbon tetrachloride	ND	ug/l	5.0	04/24/06 00:28	MCK	56-23-5		
Chlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	108-90-7		
Chloroethane	ND	ug/l	10.	04/24/06 00:28	MCK	75-00-3		
Chloroform	ND	ug/l	5.0	04/24/06 00:28	MCK	67-66-3		
Chloromethane	ND	ug/l	5.0	04/24/06 00:28	MCK	74-87-3		
2-Chlorotoluene	ND	ug/l	5.0	04/24/06 00:28	MCK	95-49-8		
4-Chlorotoluene	ND	ug/l	5.0	04/24/06 00:28	MCK	106-43-4		
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0	04/24/06 00:28	MCK	96-12-8		
Dibromochloromethane	ND	ug/l	5.0	04/24/06 00:28	MCK	124-48-1		
1,2-Dibromoethane (EDB)	ND	ug/l	5.0	04/24/06 00:28	MCK	106-93-4		
Dibromomethane	ND	ug/l	5.0	04/24/06 00:28	MCK	74-95-3		
1,2-Dichlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	95-50-1		
1,3-Dichlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	541-73-1		
1,4-Dichlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	106-46-7		
Dichlorodifluoromethane	ND	ug/l	5.0	04/24/06 00:28	MCK	75-71-8		
1,1-Dichloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	75-34-3		
1,2-Dichloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	107-06-2		
1,1-Dichloroethene	ND	ug/l	5.0	04/24/06 00:28	MCK	75-35-4		
cis-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 00:28	MCK	156-59-2		
trans-1,2-Dichloroethene	ND	ug/l	5.0	04/24/06 00:28	MCK	156-60-5		
1,2-Dichloropropane	ND	ug/l	5.0	04/24/06 00:28	MCK	78-87-5		
1,3-Dichloropropane	ND	ug/l	5.0	04/24/06 00:28	MCK	142-28-9		
2,2-Dichloropropane	ND	ug/l	5.0	04/24/06 00:28	MCK	594-20-7		
1,1-Dichloropropene	ND	ug/l	5.0	04/24/06 00:28	MCK	563-58-6		
cis-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 00:28	MCK	10061-01-5		
trans-1,3-Dichloropropene	ND	ug/l	5.0	04/24/06 00:28	MCK	10061-02-6		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

Lab Sample No: 926871443 | Project Sample Number: 92117354-009 | Date Collected: 04/13/06 00:00
Client Sample ID: TRIP BLANK | Matrix: Water | Date Received: 04/14/06 11:08

Parameters	Results	Units	Report Limit	Analyzed	By	CAS No.	Qual	RegLmt
Diisopropyl ether	ND	ug/l	5.0	04/24/06 00:28	MCK	108-20-3		
Ethylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	100-41-4		
Hexachloro-1,3-butadiene	ND	ug/l	5.0	04/24/06 00:28	MCK	87-68-3		
2-Hexanone	ND	ug/l	10.	04/24/06 00:28	MCK	591-78-6		
Isopropylbenzene (Cumene)	ND	ug/l	5.0	04/24/06 00:28	MCK	98-82-8		
p-Isopropyltoluene	ND	ug/l	5.0	04/24/06 00:28	MCK	99-87-6		
Methylene chloride	ND	ug/l	5.0	04/24/06 00:28	MCK	75-09-2		
4-Methyl-2-pentanone (MIBK)	ND	ug/l	10.	04/24/06 00:28	MCK	108-10-1		
Methyl-tert-butyl ether	ND	ug/l	5.0	04/24/06 00:28	MCK	1634-04-4		
Naphthalene	ND	ug/l	5.0	04/24/06 00:28	MCK	91-20-3		
n-Propylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	103-65-1		
Styrene	ND	ug/l	5.0	04/24/06 00:28	MCK	100-42-5		
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	630-20-6		
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	79-34-5		
Tetrachloroethene	ND	ug/l	5.0	04/24/06 00:28	MCK	127-18-4		
Toluene	ND	ug/l	5.0	04/24/06 00:28	MCK	108-88-3		
1,2,3-Trichlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	120-82-1		
1,1,1-Trichloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	71-55-6		
1,1,2-Trichloroethane	ND	ug/l	5.0	04/24/06 00:28	MCK	79-00-5		
Trichloroethene	ND	ug/l	5.0	04/24/06 00:28	MCK	79-01-6		
Trichlorofluoromethane	ND	ug/l	10.	04/24/06 00:28	MCK	75-69-4		
1,2,3-Trichloropropane	ND	ug/l	5.0	04/24/06 00:28	MCK	96-18-4		
1,2,4-Trimethylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	95-63-6		
1,3,5-Trimethylbenzene	ND	ug/l	5.0	04/24/06 00:28	MCK	108-67-8		
Vinyl acetate	ND	ug/l	10.	04/24/06 00:28	MCK	108-05-4		
Vinyl chloride	ND	ug/l	5.0	04/24/06 00:28	MCK	75-01-4		
Xylene (Total)	ND	ug/l	5.0	04/24/06 00:28	MCK	1330-20-7		
m&p-Xylene	ND	ug/l	10.	04/24/06 00:28	MCK			
o-Xylene	ND	ug/l	5.0	04/24/06 00:28	MCK	95-47-6		
Toluene-d8 (S)	97	%		04/24/06 00:28	MCK	2037-26-5		
4-Bromofluorobenzene (S)	107	%		04/24/06 00:28	MCK	460-00-4		
Dibromofluoromethane (S)	95	%		04/24/06 00:28	MCK	1868-53-7		
1,2-Dichloroethane-d4 (S)	92	%		04/24/06 00:28	MCK	17060-07-0		

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Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

PARAMETER FOOTNOTES

Method 9071B modified to use ASE.

All pH, Free Chlorine, Total Chlorine and Ferrous Iron analyses conducted outside of EPA recommended immediate hold time.

Depending on the moisture content the PRLs can be elevated for all soil samples reported on a dry weight basis.

2-Chloroethyl vinyl ether has been shown to degrade in the presence of acid.

ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
(S)	Surrogate

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QC Batch: 155348 — Analysis Method: EPA 8260
QC Batch Method: EPA 8260 — Analysis Description: GC/MS VOCs by 8260
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

METHOD BLANK: 926899923
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Benzene	ug/l	ND	5.0	
Bromobenzene	ug/l	ND	5.0	
Bromochloromethane	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	5.0	
2-Butanone (MEK)	ug/l	ND	10.	
n-Butylbenzene	ug/l	ND	5.0	
sec-Butylbenzene	ug/l	ND	5.0	
tert-Butylbenzene	ug/l	ND	5.0	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	5.0	
2-Chlorotoluene	ug/l	ND	5.0	
4-Chlorotoluene	ug/l	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
1,2-Dichlorobenzene	ug/l	ND	5.0	
1,3-Dichlorobenzene	ug/l	ND	5.0	
1,4-Dichlorobenzene	ug/l	ND	5.0	
Dichlorodifluoromethane	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

METHOD BLANK: 926899923
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

Parameter	Units	Blank Result	Reporting Limit	Footnotes
cis-1,2-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	
1,2-Dichloropropane	ug/l	ND	5.0	
1,3-Dichloropropane	ug/l	ND	5.0	
2,2-Dichloropropane	ug/l	ND	5.0	
1,1-Dichloropropene	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	
Diisopropyl ether	ug/l	ND	5.0	
Ethylbenzene	ug/l	ND	5.0	
Hexachloro-1,3-butadiene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	10.	
Isopropylbenzene (Cumene)	ug/l	ND	5.0	
p-Isopropyltoluene	ug/l	ND	5.0	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	10.	
Methyl-tert-butyl ether	ug/l	ND	5.0	
Naphthalene	ug/l	ND	5.0	
n-Propylbenzene	ug/l	ND	5.0	
Styrene	ug/l	ND	5.0	
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,2,3-Trichlorobenzene	ug/l	ND	5.0	
1,2,4-Trichlorobenzene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	10.	
1,2,3-Trichloropropane	ug/l	ND	5.0	
1,2,4-Trimethylbenzene	ug/l	ND	5.0	
1,3,5-Trimethylbenzene	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	10.	
Vinyl chloride	ug/l	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

METHOD BLANK: 926899923
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Xylene (Total)	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	99		
4-Bromofluorobenzene (S)	%	108		
Dibromofluoromethane (S)	%	97		
1,2-Dichloroethane-d4 (S)	%	92		

LABORATORY CONTROL SAMPLE: 926899931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	82.97	83	
Benzene	ug/l	50.00	48.55	97	
Bromobenzene	ug/l	50.00	44.64	89	
Bromochloromethane	ug/l	50.00	47.30	95	
Bromodichloromethane	ug/l	50.00	47.55	95	
Bromoform	ug/l	50.00	45.01	90	
Bromomethane	ug/l	50.00	63.73	127	
2-Butanone (MEK)	ug/l	100.00	87.40	87	
n-Butylbenzene	ug/l	50.00	41.15	82	
sec-Butylbenzene	ug/l	50.00	46.98	94	
tert-Butylbenzene	ug/l	50.00	47.00	94	
Carbon tetrachloride	ug/l	50.00	54.58	109	
Chlorobenzene	ug/l	50.00	49.48	99	
Chloroethane	ug/l	50.00	48.52	97	
Chloroform	ug/l	50.00	49.60	99	
Chloromethane	ug/l	50.00	51.96	104	
2-Chlorotoluene	ug/l	50.00	45.57	91	
4-Chlorotoluene	ug/l	50.00	45.09	90	
1,2-Dibromo-3-chloropropane	ug/l	50.00	42.41	85	
Dibromochloromethane	ug/l	50.00	44.96	90	
1,2-Dibromoethane (EDB)	ug/l	50.00	45.84	92	
Dibromomethane	ug/l	50.00	50.14	100	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926899931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2-Dichlorobenzene	ug/l	50.00	47.39	95	
1,3-Dichlorobenzene	ug/l	50.00	47.02	94	
1,4-Dichlorobenzene	ug/l	50.00	46.41	93	
Dichlorodifluoromethane	ug/l	50.00	61.70	123	
1,1-Dichloroethane	ug/l	50.00	47.76	96	
1,2-Dichloroethane	ug/l	50.00	47.68	95	
1,1-Dichloroethene	ug/l	50.00	51.11	102	
cis-1,2-Dichloroethene	ug/l	50.00	49.29	99	
trans-1,2-Dichloroethene	ug/l	50.00	49.69	99	
1,2-Dichloropropane	ug/l	50.00	52.51	105	
1,3-Dichloropropane	ug/l	50.00	49.63	99	
2,2-Dichloropropane	ug/l	50.00	42.29	85	
1,1-Dichloropropene	ug/l	50.00	53.25	106	
cis-1,3-Dichloropropene	ug/l	50.00	48.42	97	
trans-1,3-Dichloropropene	ug/l	50.00	48.01	96	
Diisopropyl ether	ug/l	50.00	50.48	101	
Ethylbenzene	ug/l	50.00	46.40	93	
Hexachloro-1,3-butadiene	ug/l	50.00	50.19	100	
2-Hexanone	ug/l	100.00	89.64	90	
Isopropylbenzene (Cumene)	ug/l	50.00	54.18	108	
p-Isopropyltoluene	ug/l	50.00	42.37	85	
Methylene chloride	ug/l	50.00	51.02	102	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	94.49	94	
Methyl-tert-butyl ether	ug/l	50.00	49.80	100	
Naphthalene	ug/l	50.00	49.34	99	
n-Propylbenzene	ug/l	50.00	46.11	92	
Styrene	ug/l	50.00	48.47	97	
1,1,1,2-Tetrachloroethane	ug/l	50.00	48.13	96	
1,1,2,2-Tetrachloroethane	ug/l	50.00	42.87	86	
Tetrachloroethene	ug/l	50.00	50.18	100	
Toluene	ug/l	50.00	47.72	95	
1,2,3-Trichlorobenzene	ug/l	50.00	53.53	107	
1,2,4-Trichlorobenzene	ug/l	50.00	50.41	101	
1,1,1-Trichloroethane	ug/l	50.00	50.27	101	
1,1,2-Trichloroethane	ug/l	50.00	48.80	98	
Trichloroethene	ug/l	50.00	55.09	110	
Trichlorofluoromethane	ug/l	50.00	54.19	108	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926899931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,2,3-Trichloropropane	ug/l	50.00	46.95	94	
1,2,4-Trimethylbenzene	ug/l	50.00	41.40	83	
1,3,5-Trimethylbenzene	ug/l	50.00	40.86	82	
Vinyl acetate	ug/l	100.00	111.1	111	
Vinyl chloride	ug/l	50.00	50.94	102	
Xylene (Total)	ug/l	150.00	143.1	95	
m&p-Xylene	ug/l	100.00	95.41	95	
o-Xylene	ug/l	50.00	47.66	95	
Toluene-d8 (S)				100	
4-Bromofluorobenzene (S)				107	
Dibromofluoromethane (S)				101	
1,2-Dichloroethane-d4 (S)				96	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926899949 926899956

Parameter	Units	926870437 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Benzene	ug/l	3.333	50.00	56.38	60.55	106	114	7	
Chlorobenzene	ug/l	7.693	50.00	59.41	67.84	103	120	13	
1,1-Dichloroethene	ug/l	0	50.00	51.81	55.41	104	111	7	
Toluene	ug/l	0	50.00	51.90	55.84	104	112	7	
Trichloroethene	ug/l	0	50.00	54.56	59.59	109	119	9	
Toluene-d8 (S)						101	99		
4-Bromofluorobenzene (S)						106	106		
Dibromofluoromethane (S)						105	100		
1,2-Dichloroethane-d4 (S)						109	96		

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QC Batch: 155349
QC Batch Method: EPA 8260
Associated Lab Samples: 926871443

Analysis Method: EPA 8260
Analysis Description: GC/MS VOCs by 8260

METHOD BLANK: 926899972
Associated Lab Samples: 926871443

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Acetone	ug/l	ND	25.	
Benzene	ug/l	ND	5.0	
Bromochloromethane	ug/l	ND	5.0	
Bromodichloromethane	ug/l	ND	5.0	
Bromoform	ug/l	ND	5.0	
Bromomethane	ug/l	ND	5.0	
2-Butanone (MEK)	ug/l	ND	10.	
Carbon tetrachloride	ug/l	ND	5.0	
Chlorobenzene	ug/l	ND	5.0	
Chloroethane	ug/l	ND	10.	
Chloroform	ug/l	ND	5.0	
Chloromethane	ug/l	ND	5.0	
1,2-Dibromo-3-chloropropane	ug/l	ND	5.0	
Dibromochloromethane	ug/l	ND	5.0	
1,2-Dibromoethane (EDB)	ug/l	ND	5.0	
Dibromomethane	ug/l	ND	5.0	
1,2-Dichlorobenzene	ug/l	ND	5.0	
1,4-Dichlorobenzene	ug/l	ND	5.0	
1,1-Dichloroethane	ug/l	ND	5.0	
1,2-Dichloroethane	ug/l	ND	5.0	
1,1-Dichloroethene	ug/l	ND	5.0	
cis-1,2-Dichloroethene	ug/l	ND	5.0	
trans-1,2-Dichloroethene	ug/l	ND	5.0	
1,2-Dichloropropane	ug/l	ND	5.0	
cis-1,3-Dichloropropene	ug/l	ND	5.0	
trans-1,3-Dichloropropene	ug/l	ND	5.0	
Ethylbenzene	ug/l	ND	5.0	
2-Hexanone	ug/l	ND	10.	
Methylene chloride	ug/l	ND	5.0	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	10.	
Styrene	ug/l	ND	5.0	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

METHOD BLANK: 926899972
Associated Lab Samples: 926871443

Parameter	Units	Blank Result	Reporting Limit	Footnotes
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	
1,1,2,2-Tetrachloroethane	ug/l	ND	5.0	
Tetrachloroethene	ug/l	ND	5.0	
Toluene	ug/l	ND	5.0	
1,1,1-Trichloroethane	ug/l	ND	5.0	
1,1,2-Trichloroethane	ug/l	ND	5.0	
Trichloroethene	ug/l	ND	5.0	
Trichlorofluoromethane	ug/l	ND	10.	
1,2,3-Trichloropropane	ug/l	ND	5.0	
Vinyl acetate	ug/l	ND	10.	
Vinyl chloride	ug/l	ND	5.0	
Xylene (Total)	ug/l	ND	5.0	
m&p-Xylene	ug/l	ND	10.	
o-Xylene	ug/l	ND	5.0	
Toluene-d8 (S)	%	100		
4-Bromofluorobenzene (S)	%	105		
Dibromofluoromethane (S)	%	96		
1,2-Dichloroethane-d4 (S)	%	94		

LABORATORY CONTROL SAMPLE: 926899980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Acetone	ug/l	100.00	91.39	91	
Benzene	ug/l	50.00	42.24	84	
Bromobenzene	ug/l	50.00	38.24	76	
Bromochloromethane	ug/l	50.00	43.54	87	
Bromodichloromethane	ug/l	50.00	42.19	84	
Bromoform	ug/l	50.00	39.40	79	
Bromomethane	ug/l	50.00	53.80	108	
2-Butanone (MEK)	ug/l	100.00	86.44	86	
n-Butylbenzene	ug/l	50.00	35.27	70	
sec-Butylbenzene	ug/l	50.00	40.11	80	
tert-Butylbenzene	ug/l	50.00	40.39	81	
Carbon tetrachloride	ug/l	50.00	46.82	94	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926899980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Chlorobenzene	ug/l	50.00	42.90	86	
Chloroethane	ug/l	50.00	43.91	88	
Chloroform	ug/l	50.00	43.68	87	
Chloromethane	ug/l	50.00	46.70	93	
2-Chlorotoluene	ug/l	50.00	38.89	78	
4-Chlorotoluene	ug/l	50.00	38.42	77	
1,2-Dibromo-3-chloropropane	ug/l	50.00	38.02	76	
Dibromochloromethane	ug/l	50.00	40.44	81	
1,2-Dibromoethane (EDB)	ug/l	50.00	41.12	82	
Dibromomethane	ug/l	50.00	42.66	85	
1,2-Dichlorobenzene	ug/l	50.00	41.57	83	
1,3-Dichlorobenzene	ug/l	50.00	40.65	81	
1,4-Dichlorobenzene	ug/l	50.00	41.04	82	
Dichlorodifluoromethane	ug/l	50.00	55.57	111	
1,1-Dichloroethane	ug/l	50.00	41.28	83	
1,2-Dichloroethane	ug/l	50.00	42.12	84	
1,1-Dichloroethene	ug/l	50.00	44.98	90	
cis-1,2-Dichloroethene	ug/l	50.00	43.98	88	
trans-1,2-Dichloroethene	ug/l	50.00	43.44	87	
1,2-Dichloropropane	ug/l	50.00	44.90	90	
1,3-Dichloropropane	ug/l	50.00	44.41	89	
2,2-Dichloropropane	ug/l	50.00	34.53	69	
1,1-Dichloropropene	ug/l	50.00	46.95	94	
cis-1,3-Dichloropropene	ug/l	50.00	41.45	83	
trans-1,3-Dichloropropene	ug/l	50.00	40.10	80	
Diisopropyl ether	ug/l	50.00	44.18	88	
Ethylbenzene	ug/l	50.00	40.12	80	
Hexachloro-1,3-butadiene	ug/l	50.00	43.36	87	
2-Hexanone	ug/l	100.00	83.64	84	
Isopropylbenzene (Cumene)	ug/l	50.00	46.22	92	
p-Isopropyltoluene	ug/l	50.00	35.68	71	
Methylene chloride	ug/l	50.00	45.34	91	
4-Methyl-2-pentanone (MIBK)	ug/l	100.00	85.02	85	
Methyl-tert-butyl ether	ug/l	50.00	45.05	90	
Naphthalene	ug/l	50.00	45.01	90	
n-Propylbenzene	ug/l	50.00	39.40	79	
Styrene	ug/l	50.00	42.08	84	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926899980

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
1,1,1,2-Tetrachloroethane	ug/l	50.00	42.05	84	
1,1,2,2-Tetrachloroethane	ug/l	50.00	35.85	72	
Tetrachloroethene	ug/l	50.00	43.98	88	
Toluene	ug/l	50.00	41.39	83	
1,2,3-Trichlorobenzene	ug/l	50.00	48.64	97	
1,2,4-Trichlorobenzene	ug/l	50.00	46.05	92	
1,1,1-Trichloroethane	ug/l	50.00	43.05	86	
1,1,2-Trichloroethane	ug/l	50.00	42.77	86	
Trichloroethene	ug/l	50.00	49.06	98	
Trichlorofluoromethane	ug/l	50.00	47.64	95	
1,2,3-Trichloropropane	ug/l	50.00	41.07	82	
1,2,4-Trimethylbenzene	ug/l	50.00	35.59	71	
1,3,5-Trimethylbenzene	ug/l	50.00	34.78	70	
Vinyl acetate	ug/l	100.00	73.96	74	
Vinyl chloride	ug/l	50.00	46.16	92	
Xylene (Total)	ug/l	150.00	123.7	82	
m&p-Xylene	ug/l	100.00	82.19	82	
o-Xylene	ug/l	50.00	41.50	83	
Toluene-d8 (S)				99	
4-Bromofluorobenzene (S)				105	
Dibromofluoromethane (S)				102	
1,2-Dichloroethane-d4 (S)				96	

SAMPLE DUPLICATE: 926899998

Parameter	Units	926890583 Result	DUP Result	RPD	Footnotes
Acetone	ug/l	ND	ND	NC	
Benzene	ug/l	ND	ND	NC	
Bromochloromethane	ug/l	ND	ND	NC	
Bromodichloromethane	ug/l	ND	ND	NC	
Bromoform	ug/l	ND	ND	NC	
Bromomethane	ug/l	ND	ND	NC	
2-Butanone (MEK)	ug/l	ND	ND	NC	
Carbon tetrachloride	ug/l	ND	ND	NC	
Chlorobenzene	ug/l	ND	ND	NC	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

SAMPLE DUPLICATE: 926899998

Parameter	Units	926890583 Result	DUP Result	RPD	Footnotes
Chloroethane	ug/l	ND	ND	NC	
Chloroform	ug/l	ND	ND	NC	
Chloromethane	ug/l	ND	ND	NC	
1,2-Dibromo-3-chloropropane	ug/l	ND	ND	NC	
Dibromochloromethane	ug/l	ND	ND	NC	
1,2-Dibromoethane (EDB)	ug/l	ND	ND	NC	
Dibromomethane	ug/l	ND	ND	NC	
1,2-Dichlorobenzene	ug/l	ND	ND	NC	
1,4-Dichlorobenzene	ug/l	ND	ND	NC	
1,1-Dichloroethane	ug/l	ND	ND	NC	
1,2-Dichloroethane	ug/l	ND	ND	NC	
1,1-Dichloroethene	ug/l	ND	ND	NC	
cis-1,2-Dichloroethene	ug/l	ND	ND	NC	
trans-1,2-Dichloroethene	ug/l	ND	ND	NC	
1,2-Dichloropropane	ug/l	ND	ND	NC	
cis-1,3-Dichloropropene	ug/l	ND	ND	NC	
trans-1,3-Dichloropropene	ug/l	ND	ND	NC	
Ethylbenzene	ug/l	ND	ND	NC	
2-Hexanone	ug/l	ND	ND	NC	
Methylene chloride	ug/l	ND	ND	NC	
4-Methyl-2-pentanone (MIBK)	ug/l	ND	ND	NC	
Styrene	ug/l	ND	ND	NC	
1,1,1,2-Tetrachloroethane	ug/l	ND	ND	NC	
1,1,2,2-Tetrachloroethane	ug/l	ND	ND	NC	
Tetrachloroethene	ug/l	ND	ND	NC	
Toluene	ug/l	ND	ND	NC	
1,1,1-Trichloroethane	ug/l	ND	ND	NC	
1,1,2-Trichloroethane	ug/l	ND	ND	NC	
Trichloroethene	ug/l	ND	ND	NC	
Trichlorofluoromethane	ug/l	ND	ND	NC	
1,2,3-Trichloropropane	ug/l	ND	ND	NC	
Vinyl acetate	ug/l	ND	ND	NC	
Vinyl chloride	ug/l	ND	ND	NC	
Xylene (Total)	ug/l	ND	ND	NC	
m&p-Xylene	ug/l	ND	ND	NC	
o-Xylene	ug/l	ND	ND	NC	
Toluene-d8 (S)	%	97	95		

Date: 04/27/06

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

SAMPLE DUPLICATE: 926899998

Parameter	Units	926890583 Result	DUP Result	RPD	Footnotes
4-Bromofluorobenzene (S)	%	109	108		
Dibromofluoromethane (S)	%	99	99		
1,2-Dichloroethane-d4 (S)	%	95	98		

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Huntersville, NC 28078
Phone: 704.875.9092
Fax: 704.875.9091

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2225 Riverside Drive
Asheville, NC 28804
Phone: 828.254.7176
Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QC Batch: 154819 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: Mercury, CVAAS, in Water
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

METHOD BLANK: 926875717
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510 926870528 926870536 926870544

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Mercury	mg/l	ND	0.0002	

LABORATORY CONTROL SAMPLE: 926875725

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Mercury	mg/l	0.0025	0.0026	102	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926875733 926875741

Parameter	Units	926865585 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Mercury	mg/l	0	0.0025	0.0025	0.0025	98	100	1	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QC Batch: 154882
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510

METHOD BLANK: 926877481
Associated Lab Samples: 926870411 926870429 926870437 926870445 926870510

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Antimony	mg/l	ND	0.0050	
Arsenic	mg/l	ND	0.0050	
Barium	mg/l	ND	0.0050	
Beryllium	mg/l	ND	0.0010	
Cadmium	mg/l	ND	0.0010	
Chromium	mg/l	ND	0.0020	
Cobalt	mg/l	ND	0.0050	
Copper	mg/l	ND	0.0020	
Lead	mg/l	ND	0.0050	
Nickel	mg/l	ND	0.0050	
Selenium	mg/l	ND	0.0050	
Silver	mg/l	ND	0.0020	
Vanadium	mg/l	ND	0.0050	
Zinc	mg/l	ND	0.010	

LABORATORY CONTROL SAMPLE: 926877499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Antimony	mg/l	0.5000	0.4910	98	
Arsenic	mg/l	0.5000	0.4970	99	
Barium	mg/l	0.5000	0.5010	100	
Beryllium	mg/l	0.5000	0.4940	99	
Cadmium	mg/l	0.5000	0.4950	99	
Chromium	mg/l	0.5000	0.5010	100	
Cobalt	mg/l	0.5000	0.5010	100	
Copper	mg/l	0.5000	0.5110	102	
Lead	mg/l	0.5000	0.5000	100	
Nickel	mg/l	0.5000	0.4890	98	
Selenium	mg/l	0.5000	0.4930	99	

Date: 04/27/06

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926877499

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Silver	mg/l	0.2500	0.2470	99	
Vanadium	mg/l	0.5000	0.4960	99	
Zinc	mg/l	0.5000	0.5030	101	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 926877507 926877515

Parameter	Units	926865692 Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	RPD	Footnotes
Antimony	mg/l	0.00046	0.5000	0.5100	0.4780	102	96	6	
Arsenic	mg/l	0	0.5000	0.5160	0.4820	103	96	7	
Barium	mg/l	0.04810	0.5000	0.5680	0.5350	104	97	6	
Beryllium	mg/l	0	0.5000	0.5220	0.4930	104	99	6	
Cadmium	mg/l	0	0.5000	0.5140	0.4820	103	96	6	
Chromium	mg/l	0.00040	0.5000	0.5260	0.4970	105	99	6	
Cobalt	mg/l	0.00024	0.5000	0.5240	0.4940	105	99	6	
Copper	mg/l	0.00038	0.5000	0.5300	0.4970	106	99	6	
Lead	mg/l	0.00152	0.5000	0.5200	0.4870	104	97	7	
Nickel	mg/l	0.00108	0.5000	0.5100	0.4790	102	96	6	
Selenium	mg/l	0	0.5000	0.5130	0.4720	103	94	8	
Silver	mg/l	0	0.2500	0.2510	0.2380	100	95	5	
Vanadium	mg/l	0.00104	0.5000	0.5190	0.4890	104	98	6	
Zinc	mg/l	0.01210	0.5000	0.5320	0.5030	104	98	6	

SAMPLE DUPLICATE: 926877523

Parameter	Units	926865718 Result	DUP Result	RPD	Footnotes
Antimony	mg/l	ND	ND	NC	
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	0.1800	0.1800	0	
Beryllium	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Cobalt	mg/l	ND	ND	NC	
Copper	mg/l	0.00310	0.00340	9	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

SAMPLE DUPLICATE: 926877523

Parameter	Units	926865718 Result	DUP Result	RPD	Footnotes
Lead	mg/l	ND	ND	NC	
Nickel	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Silver	mg/l	ND	0.00260	0	
Vanadium	mg/l	ND	ND	NC	
Zinc	mg/l	0.01100	0.01100	3	

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QC Batch: 154896 — Analysis Method: EPA 6010
QC Batch Method: EPA 3010 — Analysis Description: Metals by Trace ICP
Associated Lab Samples: 926870528 926870536 926870544

METHOD BLANK: 926878133
Associated Lab Samples: 926870528 926870536 926870544

Parameter	Units	Blank Result	Reporting Limit	Footnotes
Antimony	mg/l	ND	0.0050	
Arsenic	mg/l	ND	0.0050	
Barium	mg/l	ND	0.0050	
Beryllium	mg/l	ND	0.0010	
Cadmium	mg/l	ND	0.0010	
Chromium	mg/l	ND	0.0020	
Cobalt	mg/l	ND	0.0050	
Copper	mg/l	ND	0.0020	
Lead	mg/l	ND	0.0050	
Nickel	mg/l	ND	0.0050	
Selenium	mg/l	ND	0.0050	
Silver	mg/l	ND	0.0020	
Vanadium	mg/l	ND	0.0050	
Zinc	mg/l	ND	0.010	

LABORATORY CONTROL SAMPLE: 926878141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Antimony	mg/l	0.5000	0.4960	99	
Arsenic	mg/l	0.5000	0.5060	101	
Barium	mg/l	0.5000	0.5070	101	
Beryllium	mg/l	0.5000	0.5040	101	
Cadmium	mg/l	0.5000	0.5050	101	
Chromium	mg/l	0.5000	0.5140	103	
Cobalt	mg/l	0.5000	0.5090	102	
Copper	mg/l	0.5000	0.5160	103	
Lead	mg/l	0.5000	0.5070	101	
Nickel	mg/l	0.5000	0.5060	101	
Selenium	mg/l	0.5000	0.5060	101	

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Fax: 828.252.4618

QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

LABORATORY CONTROL SAMPLE: 926878141

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	Footnotes
Silver	mg/l	0.2500	0.2450	98	
Vanadium	mg/l	0.5000	0.5050	101	
Zinc	mg/l	0.5000	0.5130	103	

MATRIX SPIKE: 926878158

Parameter	Units	926870528 Result	Spike Conc.	MS Result	MS % Rec	Footnotes
Antimony	mg/l	0	0.5000	0.4670	93	
Arsenic	mg/l	0.00070	0.5000	0.4950	99	
Barium	mg/l	0.1220	0.5000	0.6420	104	
Beryllium	mg/l	0.00079	0.5000	0.5050	101	
Cadmium	mg/l	0	0.5000	0.4950	99	
Chromium	mg/l	0.02020	0.5000	0.5330	103	
Cobalt	mg/l	0.01190	0.5000	0.5180	101	
Copper	mg/l	0.04070	0.5000	0.5710	106	
Lead	mg/l	0.00830	0.5000	0.5120	101	
Nickel	mg/l	0.01760	0.5000	0.5210	101	
Selenium	mg/l	0.00166	0.5000	0.4880	97	
Silver	mg/l	0	0.2500	0.2470	99	
Vanadium	mg/l	0.02100	0.5000	0.5230	100	
Zinc	mg/l	0.08600	0.5000	0.6030	103	

SAMPLE DUPLICATE: 926878174

Parameter	Units	926870536 Result	DUP Result	RPD	Footnotes
Antimony	mg/l	ND	ND	NC	
Arsenic	mg/l	ND	ND	NC	
Barium	mg/l	0.01500	0.01600	2	
Beryllium	mg/l	ND	ND	NC	
Cadmium	mg/l	ND	ND	NC	
Chromium	mg/l	ND	ND	NC	
Cobalt	mg/l	ND	ND	NC	
Copper	mg/l	ND	ND	NC	

Date: 04/27/06

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QUALITY CONTROL DATA

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

SAMPLE DUPLICATE: 926878174

Parameter	Units	926870536 Result	DUP Result	RPD	Footnotes
Lead	mg/l	ND	ND	NC	
Nickel	mg/l	ND	ND	NC	
Selenium	mg/l	ND	ND	NC	
Silver	mg/l	ND	0.00240	0	
Vanadium	mg/l	ND	ND	NC	
Zinc	mg/l	ND	ND	NC	

Date: 04/27/06

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Phone: 828.254.7176
Fax: 828.252.4618

Lab Project Number: 92117354
Client Project ID: Dillsboro Landfill

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines, unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

LCS(D)	Laboratory Control Sample (Duplicate)
MS(D)	Matrix Spike (Duplicate)
DUP	Sample Duplicate
ND	Not detected at or above adjusted reporting limit
NC	Not Calculable
J	Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit
MDL	Adjusted Method Detection Limit
RPD	Relative Percent Difference
(S)	Surrogate

Date: 04/27/06

Asheville Certification IDs

NC Wastewater	40
NC Drinking Water	37712
SC	99030
FL NELAP	E87648

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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Page: of 0998487

Section A Required Client Information:

Company: Altamont Environmental
Address: 50 College St. Asheville, NC 28801
Email To: jhazinski@altamontenvironmental.com
Phone: 828-281-3350 Fax: 828-281-3351
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Jim McElduff
Copy To:
Purchase Order No.:
Project Name: Dillsboro Landfill
Project Number: 2040.12

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION: ☐GA ☐IL ☐IN ☐MI ☐MN ☒NC ☐OH ☐SC ☐WI ☐OTHER _____

Section D Required Client Information

Valid Matrix Codes: MATRIX / CODE — DRINKING WATER DW, WATER WT, WASTE WATER WW, PRODUCT P, SOIL/SOLID SL, OIL OL, WIPE WP, AIR AR, OTHER OT, TISSUE TS

Filtered (Y/N): N

Requested Analysis: App I Metals; App I VOC - 8260; Residual Chlorine (Y/N)

ITEM #	SAMPLE ID (One Character per box. (A-Z, 0-9 / .-) Samples IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	App I Metals	App I VOC - 8260	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
1	MW-01	WT	G			4/13/06	11:42	16.2	4			1	3					1	3		92687041
2	MW-02	WT	G			4/13/06	15:31	15.9	4			1	3					1	3		0429
3	MW-03	WT	G			4/13/06	14:38	17.4	4			1	3					1	3		0437
4	MW-04	WT	G			4/13/06	13:51	16.4	4			1	3					1	3		0445
5	PMW-01	WT	G			4/13/06	12:26	16.9	4			1	3					1	3		0510
6	MW-06	WT	G			4/13/06	10:46	16.4	4			1	3					1	3		0528
7	SW-01	WT	G			4/13/06	13:49	15.9	4			1	3					1	3		0536
8	SW-02	WT	G			4/13/06	15:49	17.6	4			1	3					1	3		0544
9																					
10																					
11																					
12																					

117354 Pace Project Number

Lab I.D

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITION
Jon Hazinski	4/13/06	17:14	[illegible]	4/13	17:13	10.6

SAMPLE CONDITION: Temp in °C; Received on Ice Y/N; Custody Sealed Cooler Y/N; Samples Intact Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Jon Hazinski

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 4-13-06

SEE REVERSE SIDE FOR INSTRUCTIONS

ORIGINAL

ALLQ020rev.3,31 Mar05

Subcontracted Results

Pace Project

92117354

This report includes page 1 to 1.

Research & Analytical Laboratories, Inc.

Analytical/Process Consultations

RESEARCH & ANALYTICAL LABS. SIDNEY L. CHAMPION NC #37701 DIRECTOR CERTIFIED ANALYSIS

April 20, 2006

Pace Analytical Services, Inc.
2225 Riverside Drive
Asheville, NC 28804
Attention: Lorri Patton

Chemical Analysis for Selected Parameters for Samples Identified as 92117354
(A Pace Analytical Services, Inc. Project #92117354, collected 13 April 2006)

Sample Identification	RAL Sample#	Date Collected	Time (hrs)	Total Thallium (mg/l)
926870411	558526	04/13/06	1142	<0.001
926870429	558527	04/13/06	1531	<0.001
926870437	558528	04/13/06	1438	<0.001
926870445	558529	04/13/06	1341	<0.001
926870510	558530	04/13/06	1226	<0.001
926870528	558531	04/13/06	1046	<0.001
926870536	558532	04/13/06	1349	<0.001
926870544	558533	04/13/06	1549	<0.001

< = Less than or Below Detection Limit

mg/l = milligrams per liter = parts per million (ppm)

---- = Not Available

APPENDIX C

SUMMARY OF T-TEST STATISTICAL ANALYSES

Appendix C
Summary of T-Test Results
Jackson County MSWLF
Jackson County, North Carolina

April 13, 2006

Compound	NC 2L Standard	Significantly Greater than the Groundwater Standard
Metals		
Barium	2.0	none
Beryllium	NL	NA
Cadmium	0.00175	none
Chromium	0.05	none
Cobalt	NL	NA
Copper	1.0	none
Lead	0.015	none
Mercury	0.00105	none
Nickel	0.1	none
Vanadium	NL	NA
Zinc	1.05	none
VOCs		
1,1-Dichloroethane	0.7	none
1,4-Dichlorobenzene	0.0014	**MW-1, MW-3, MW-4, MW-6** [4]
Benzene	0.001	**MW-1, MW-6** [5]
Chlorobenzene	0.05	none
cis-1,2-Dichloroethene	0.07	none
Ethylbenzene	0.55	none
Methylene Chloride	0.0046	**MW-1** [6]
Toluene	1	none
Xylenes (Total)	0.53	none

Notes:
1. All concentrations are in milligrams per liter (mg/L).
2. NL means not listed in the NC 2L Standards or EPA's Safe Drinking Water maximum contamination level (MCL) tables.
3. NA means not applicable.
4. T-test for 1,4-Dichlorobenzene is not valid for MW-2 since sample set contains non-detect values and the detection limit is greater than the groundwater standard.
5. T-test for benzene is not valid for MW-2, MW-3, and MW-4 since sample set contains non-detect values and the detection limit is greater than the groundwater standard.
6. Methylene chloride has only been detected once in the last 13 sampling events in MW-1 (Spring 2002).