WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE II ASSESSMENT MONITORING
OCTOBER 2012 SAMPLING EVENT

S&ME Project No. 1584-98-081

Prepared For:

The City of Greensboro

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1. EXECUTIVE SUMMARY

Twelve monitoring wells and five stream locations which monitor the Phase II portion of the White Street Landfill were sampled between October 24 and October 31, 2012. Twelve wells (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14) comprise the groundwater monitoring system for the Phase II solid waste disposal area of the landfill. Monitoring well MW-13 serves as a background well for both the Phase I and the Phase II areas. Monitor well MW-14 serves as a background well for Phase II. All sampling was conducted according to North Carolina Solid Waste Management Guidelines. Samples were analyzed by a North Carolina certified laboratory. Samples collected from the Phase II area were submitted for analysis using the North Carolina Appendix II assessment monitoring list. Samples from surface water locations SW-1, SW-2, SW-3, SW-4, and SW-5 were analyzed for the federal Appendix I constituents.

GROUNDWATER QUALITY

During the October 2012 compliance monitoring event, the following NCAC 2L groundwater quality standards (2L Standards) were exceeded.

Volatile Organic Compounds:

- Vinyl chloride was detected at 1.3 μg/L and 2.2 μg/L at wells II-1 and II-2 respectively. These concentrations exceed the corresponding 2L Standard set at 0.03 μg/L.
- 1,1-Dichloroethane was detected at a reported concentration of 11 μg/L in monitoring well II-2 and 14 μg/L in monitoring well II-3. These concentrations exceed the 6 μg/L 2L Standard for 1,1-dichloroethane.
- Benzene was detected at concentrations of 1.5 μg/L, 1.4 μg/L and 2.3 μg/L in wells II-1, II-3 and II-6 respectively. These concentrations exceed the1 μg/L 2L Standard for benzene.
- Tetrachloroethene was detected at 2.7 μg/L at well II-2, which exceeds the corresponding 2L Standard set at 0.7 μg/L.
- 1,4-Dichlorobenzene was detected at concentrations of 7.7 μg/L in monitoring well II-1; which exceeds the corresponding 2L Standard set at 6 μg/L 2L.

Semi-Volatile Organic Compounds:

No target semi-volatile organic compounds were detected at or above the Method Detection Limit (MDL) by the laboratory analysis.

Inorganic Constituents (Metals):

Analytical results from Phase II groundwater monitoring wells indicate inorganic constituent's chromium, cobalt, and vanadium were detected with concentrations greater than the corresponding 2L Standard or Interim Maximum Allowable Concentration

(IMAC). Chromium was detected at well II-4 at a concentration of 15.2 μg/L, which exceeds the 2L Standard of 10 μg/L. The detected concentrations of cobalt exceed the corresponding IMAC for cobalt set at 1 μg/L. The detected concentrations of vanadium exceed the corresponding IMAC for vanadium set at 0.3 μg/L.

S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. The ASD demonstrated that chromium, cobalt and vanadium are naturally occurring in the in-situ soil at the Facility and at sufficient concentrations within the soil to influence groundwater quality. Based on the results of the ASD, the detection of chromium, cobalt and vanadium at concentrations above the Interim Maximum Allowable Concentration (IMAC) value is not likely due to a release by the Facility, but instead may be attributed to the natural occurrence of chromium, cobalt, and vanadium in the native, residual soil.

Herbicides:

Chlorinated herbicide 2,4-D was detected at monitoring well II-12. The concentration was reported as an estimated ("J" flagged) value and is below the corresponding NCAC 2L Standard.

Other Appendix II Constituents

No other Appendix II constituents were detected at the locations sampled during this compliance monitoring event.

SURFACE WATER QUALITY

Several volatile organic compounds and inorganic constituents were reported in one or more of the samples collected. Based on the sampled locations and the reported concentrations, the compounds detected in the surface water samples likely stem from up-stream, off-site sources.

ADDITIONAL ASSESSMENT ACTIVITIES

During 2010, monitoring well II-3B was installed down-gradient of well II-3, to assess groundwater quality conditions down-gradient of well II-3; however, at a point prior to reaching the compliance boundary. For groundwater sample collected during October 2012, the analytical results for monitoring well II-3B report no volatile organic compounds were detected at concentrations that exceed the corresponding 2L Standards. This is the 3rd semi-annual monitoring event to indicate that the portion of the landfill monitored by well II-3B is currently in compliance with applicable groundwater quality standards. The exceedances of the 2L Standards reported at well II-3 reflect the close proximity of this well to the limits of waste. It is our opinion that well II-3 was unintentionally installed close to the limits of waste and sufficiently removed from the compliance boundary, such that well II-3B is a better indicator of groundwater compliance in accordance with the conditions of the permit.

A Corrective Action Plan (CAP) was prepared by S&ME and approved by the NCDENR for Phase II of the White Street Landfill. The CAP specifies phytoremediation coupled with *Monitored Natural Attenuation* (MNA) to restore groundwater quality at the Facility. CAP related groundwater monitoring activities completed contemporaneously with the October 2012 water quality monitoring event included:

- Collection and analysis of groundwater samples from each of the three CAP specified sentinel monitoring wells, SMW-1, SMW-3, and SMW-4. The October 2012 analytical results for each of these wells indicate that groundwater quality at these locations meets the CAP specified cleanup goals, the 2L Standards.
- Post-closure monitoring wells II-7, II-7B, and II-1 function as both post-closure monitoring wells and CAP sentinel monitoring wells. The October 2012, groundwater analytical results for monitoring wells II-7 and II-7B indicate that groundwater quality at these points meet the CAP specified cleanup goals, the 2L Standards. Only monitoring well II-1 exhibited groundwater quality which currently does not meet the CAP specified cleanup goals, the 2L Standards.
- Groundwater samples were obtained from a select group of monitoring wells utilized to evaluate the MNA component of the CAP. The collected samples were analyzed in the field and/or in the laboratory for MNA indicator parameters.

These CAP related items are briefly discussed in this report; however, these CAP assessment activities and associated finding will be discussed in greater detail in a separate report.

2. INTRODUCTION

White Street Landfill is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to complete this Phase II Appendix II assessment/detection monitoring event. Phase II of the landfill is covered by Solid Waste Permit #41-03. One upgradient monitor well (MW-14), nine (9) downgradient monitoring wells located along the perimeter of the Phase II disposal area, one bedrock monitor well (II-7B), and one background monitoring well (MW-13) located approximately 4,300 feet southwest of the Phase II area were sampled. Five surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the October 2012 water quality monitoring event.

3. SCOPE OF WORK

To complete the scope of work, S&ME completed the following tasks:

- Sampled 12 monitoring wells and five surface water locations
- Obtained field values for pH, temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and conductivity at each sample location.
- Collected depth to water measurements during well purging to monitor drawdown.
- Had the samples analyzed for the North Carolina Solid Waste Appendix II constituents by a North Carolina certified laboratory, using State approved methods.
- Had the surface water samples analyzed for the North Carolina Solid Waste Appendix I constituents by a North Carolina certified laboratory, using State approved methods.
- Prepare a groundwater contour map and calculated groundwater flow rates.
- Prepared and submitted reports to the City of Greensboro and the State.

4. METHODS EMPLOYED

4.1 Monitoring Well Sampling

The groundwater monitoring well sampling took place between October 24 and October 31, 2011. The monitoring well locations are shown on **Figure 1**. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing in wells. An electronic water level indicator was used to obtain depth to water measurements. These data are summarized in **Table 1**. The total well depth sounding data reported for the sampling events completed during September 1997 and May 1998 were used to determine the volume of water in wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13, and MW-14; where dedicated MicroPurgeTM pumps had been previously installed.

In accordance with the facility's approved Water Quality Monitoring Plan, wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-8, II-12, MW-13, and MW-14 were purged using the dedicated Micro Purge pumps. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. For the Phase II sampling event, the measured drawdown in the sampled wells is generally less than 1 foot.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP, and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent. The 10% target stabilization was generally reached prior to collection of the groundwater sample at each location. The field data collected during sampling was recorded on the groundwater sampling field data sheets, which are included in **Appendix I**.

Groundwater samples were collected from the dedicated Teflon tubing at each of the wells with dedicated well sampling pumps. Immediately upon collection, each sample was placed in laboratory supplied containers, packed on ice, and placed under chain-of custody. The sampling technician wore nitrile gloves that were changed between wells to minimize the possibility of cross contamination. After collection, the groundwater samples were packed on ice and placed under chain-of custody.

During the October 2012 event all of the Phase II groundwater samples (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13, and MW-14) were analyzed for all of the Appendix II constituents. Analyses were conducted by Environmental Conservation Laboratories, a North Carolina certified laboratory. Laboratory Analytical Reports are attached in **Appendix II.**

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 6.2* software package. The *ChemPoint 4.4* database management system was used to input and create the Data files based on the recent and historic laboratory data. The *ChemPoint* database is then converted to ASCII tab delimited file for use by the *ChemStat* software. The following procedures were used to carry out the statistical analyses of the compliance data for each constituent.

4.2.2 Statistical Methods-Groundwater Analyses

In accordance with the NCDENR-Solid Waste Management Rules 15A NCAC 13B, Section 1632, historical upgradient and crossgradient groundwater monitoring data collected from the background groundwater monitoring wells that comprise the Subtitle D monitoring well system were pooled and the analytical results were used to create a statistical baseline for statistically significant increases in constituent concentrations.

For this sampling event the facility's chemical database was updated. Since the facility has been conducting the required Assessment Monitoring for an extended period of time and is currently implementing corrective measures the routine statistical analyses were not performed during this event. The statistical methods routinely employed for this monitored unit are used to determine if a statistically significant increase (SSI) in monitored constituents are suggested by the data set. If an SSI is discovered and found to be valid, it would only trigger Assessment Monitoring; which is the monitoring program currently employed for Phase II of the White Street Landfill. Statistical analysis of the data set was last performed during the spring 2012 monitoring event and a full analysis of the data set is planned for the spring 2013 monitoring event.

4.3 Stream Sampling

Surface water sampling took place on October 26, 2012. Four stream samples (SW-1, SW-3, SW-4, and SW-5) were collected from North Buffalo Creek, which flows along the northwestern side of the White Street Landfill. One surface water sample (SW-2) was collected from a tributary of North Buffalo Creek. The locations of the stream samples are shown in **Figure 2**.

SW-1 was collected upstream from the landfill near the US Highway 29 Bridge. SW-2 was collected from a southern tributary of North Buffalo Creek just before it joins the main creek west of the landfill entrance. SW-3 was collected downstream of the North Buffalo Wastewater Treatment Plant outfall and upstream of the landfill. SW-4 was collected downstream of the landfill at a USGS gauging station located on North Buffalo Creek about three-quarters of a mile north of the landfill. SW-5 was collected from North Buffalo Creek immediately downstream of the Phase II landfill disposal area.

The surface water samples were collected by immersing laboratory supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. Stream samples SW-1, SW-2, SW-3, SW-4 and SW-5 were analyzed for Appendix I constituents.

5. RESULTS

5.1 Groundwater Analytical Results

5.1.1 Phase II Appendix II Assessment Monitoring

Wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, MW-12, MW-13 and MW-14 comprise the monitoring system for the Phase II area. The results of the laboratory analyses for Appendix II constituents in the Phase II area groundwater monitoring wells are summarized in **Tables 2, 3**, **4, 5 and 6.** The complete laboratory reports of the October 2012 sampling event are included in **Appendices I**.

Volatile Organic Compounds:

As summarized in **Table 2**, analytical results from the 12 Phase II monitoring wells indicate ten volatile organic compounds were detected during the October 2012 sampling

event, at one or more monitoring well locations. Of the detected volatile organic compounds, the following 15A NCAC 2L groundwater quality standards (2L Standards) were exceeded.

- Vinyl chloride was detected at 1.3 μg/L and 2.2 μg/L at wells II-1 and II-2 respectively. These concentrations exceed the corresponding 2L Standard set at 0.03 μg/L.
- 1,1-Dichloroethane was detected at a reported concentration of 11 μg/L in monitoring well II-2 and 14 μg/L in monitoring well II-3. These concentrations exceed the 6 μg/L 2L Standard for 1,1-dichloroethane.
- Benzene was detected at concentrations of 1.5 μg/L, 1.4 μg/L and 2.3 μg/L in wells II-1, II-3 and II-6 respectively. These concentrations exceed the1 μg/L 2L Standard for benzene.
- Tetrachloroethene was detected at 2.7 μg/L at well II-2, which exceeds the corresponding 2L Standard set at 0.7 μg/L.
- 1,4-Dichlorobenzene was detected at concentrations of 7.7 μg/L in monitoring well II-1; which exceeds the corresponding 2L Standard set at 6 μg/L 2L.
- Tetrahydofuran was detected at wells II-1, II-6, II-7B, and II-8. Currently, there is no 2L Standard for this compound.

Semi-Volatile Organic Compounds:

None of the target semi-volatile organic compounds were detected at or above the Method Detection Limit (MDL) by the laboratory analysis.

Inorganic Constituents (Metals):

As summarized in **Table 4**, analytical results from Phase II groundwater monitoring wells indicate the inorganic constituents detected during the October 2012 sampling event included antimony, arsenic, barium, chromium, cobalt, copper, lead, mercury, nickel, silver, tin, vanadium, and zinc at one or more monitoring well locations. Each of the reported concentrations of these inorganic constituents was below their corresponding NCAC 2L groundwater standard or Interim Maximum Concentrations (IMAC) value with the exception of chromium, cobalt, and vanadium.

Chromium was detected at well II-4 at a concentration of 15.2 μg/L, which exceeds the NCAC 2L standard of 10 μg/L. Vanadium and cobalt were detected in the groundwater samples collected from one or more wells during this monitoring event. Each of their "J" flag estimated concentrations and quantified concentrations exceed the corresponding IMAC for cobalt set at 1 μg/l and 0.3 μg/l for vanadium. S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. The ASD demonstrated that chromium, cobalt, and vanadium are naturally occurring in the in-situ soil at the Facility and at sufficient concentrations within the soil to influence groundwater quality. The reported concentrations of chromium, cobalt and vanadium

during the October 2012 sampling event are below the expected DAF calculated groundwater concentration for chromium, cobalt and vanadium. Therefore, the detection of chromium, cobalt, and vanadium above there respective NCAC 2L or IMAC value is not likely due to a release from the monitored unit, but instead may be attributed to the natural occurrence of chromium, cobalt and vanadium in the native, residual soil. This is further supported by detection of vanadium in background well MW-13.

Pesticides/Herbicides:

As summarized in **Table 5**, no targeted organochlorine pesticides were detected above the method detection limits or the solid waste section limits during this monitoring event.

As summarized in **Table 6**, chlorinated herbicide 2,4-D was detected at monitoring well II-12 during the October 2012 groundwater monitoring event. The concentrations was reported as an estimated ("J" flagged) value and is below the corresponding NCAC 2L groundwater standard.

Other Targeted Appendix II Parameters:

For the groundwater samples collected, no target polychlorinated biphenols (PCBs), sulfide or cyanide was detected above the method detection limits or the solid waste section limits during this monitoring event.

5.2 Hydraulic Conductivity

In-situ hydraulic conductivity tests were performed by BPA Environmental and Associates Inc. (BPA) on wells I-5, II-1, II-2, II-3, II-4, II-5 and MW-13 on February 2-5, 1996. The data from these tests yielded hydraulic conductivity values ranging from 0.042 feet/day in II-5 to 0.380 feet/day in II-3. A complete discussion of the test methods and calculations was presented in BPA's February 1996 report "In-Situ Hydraulic Conductivity Testing, White Street Landfill, Greensboro, North Carolina". In situ hydraulic conductivity tests were performed by HDR Engineering, Inc. on monitoring wells II-6, II-7, II-8 and MW-14 in the fall of 1995. The hydraulic conductivity's determined by HDR ranged from 0.119 feet/day in II-1 to 2.353 feet/day in II-8. These data were used to calculate groundwater flow velocities across the site.

5.3 Groundwater Flow Direction and Rate

The static water levels in the Phase II monitoring wells were measured during October 2012. The depth to the water table ranged from 7.76 to 28.16 feet below the top of well casing on these dates. Groundwater and well casing elevation data are presented in **Table 1**. A groundwater contour map was constructed using the data collected during October 2012 and is presented as **Figure 3**. The groundwater gradient at each well was calculated assuming a constant groundwater gradient along the flow line between adjacent groundwater elevation contours or between the well and the nearest contour. Groundwater flow lines were drawn through each well based upon the groundwater elevation data collected during this monitoring event. The groundwater elevation data

collected during this monitoring event indicates that the groundwater beneath Phase II generally flows toward the northwest, toward Buffalo Creek. This is, in general, consistent with the results from previous monitoring events.

Based on a variation of Darcy's Law, the rate of groundwater movement within the regolith aquifer was calculated at each monitoring well using the following equation:

$$V = \frac{Ki}{N}$$

Where
V = velocity (ft/day)
K = hydraulic conductivity (ft/ft)
i = groundwater gradient (ft/ft)
n =effective porosity (dimensionless)

Calculated hydraulic conductivity and gradient values and estimated effective porosity values for each well were used in the velocity calculations. The 20 percent effective porosity value is based on porosity and specific yield versus grain size distribution relationships presented in Fetter (1988), and is typical of the types of soils (predominantly silts and sandy silts with some clays) comprising the regolith at the landfill. The calculated groundwater velocities ranged from 0.007 feet/day to 0.232 feet/day and are summarized in **Table 7**.

5.4 Surface Water

Five surface water samples were collected during the October 2012 sampling event. The results of the laboratory analyses for Appendix I constituents in the surface water samples are summarized in **Tables 8** and **9.** Appendix II contains the complete laboratory reports.

- Bromodichloromethane was detected at a "J" flagged concentration of 0.53 μg/L in sample SW-3. This estimated concentration is below the NCAC 2B surface water standard of 0.55 μg/L.
- Acetone was detected at a "J" flagged concentration of 4.4 μg/L in sample SW-3. Currently there is no NCAC 2B surface water standard for acetone.
- Chloroform was detected at a "J" flagged concentration of 1.2 μg/L in Surface Water sample SW-3. The estimated concentration is below the corresponding NCAC 2B standard of 5.6 μg/L.
- Inorganic constituents arsenic, barium, copper, nickel and zinc were reported at quantified or estimated "J" flagged values at one or more sampled locations; however, the reported concentrations are below the corresponding NCAC 2B standards.

Based on the sampled locations and the reported concentrations, the compounds detected in the surface water samples discussed above likely stem from up-stream, off-site sources.

5.5 Quality Assurance

A qualitative review of the data was performed to verify that the detected concentrations in the laboratory report were of known quality. A formal, quantitative data validation was not performed. Laboratory-assigned data qualifiers were evaluated to verify that rejected or unsupportable data were not included in the dataset. Quality control data provided in the laboratory reports were also reviewed. No rejected or otherwise unacceptable quality data were reported from the laboratory, except for the analysis of sample MW-14 by Method 8270. ENCO reported that the “in-hold” Method 8270 extraction was lost to evaporation via a cracked vial. An “out-of-hold” extraction was performed and the results were reported. Considering that monitoring well MW-14 is a background water quality well with no historic Method 8270 detection, a decision was made to not re-sample this well in order to obtain and analyze a sample for Method 8270, in-hold. This decision does not impact the data interpretations made herein.

A duplicate sample was collected from monitoring well II-8, as "Duplicate II,” and analyzed for the Appendix II constituents. No target semi-volatile organic compounds, organochlorine pesticides, chlorinated herbicides, or poly biphenyl compounds were detected in either sample suggesting good method precision. A comparison of the data presented in both **Table 2** and **Table 4**, reveals that the detected compounds and the concentrations reported for sample II-8 show good correlation with the duplicate sample results. This finding suggests good method precision.

All of the monitoring wells in Phase II were sampled using dedicated micro-purge pumps. Therefore, no equipment rinse samples were collected for analyses. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned for both the October 2012 monitoring event. The trip blank sample for the October 2012 monitoring event was analyzed for Appendix II volatile organic constituents. Laboratory QC samples were analyzed for all constituents included in this sampling event. The results of the duplicate, trip blank, and laboratory QC sample analyses are included in Appendix II. The NCDENR Environmental Monitoring Reporting Form is included in **Appendix III**.

6. ADDITIONAL ASSESSMENT

Additional Groundwater Quality Monitoring

The following additional investigations were conducted contemporaneously with the October 2012, post-closure compliance monitoring event.

1. In support of the Corrective Action Plan (CAP) developed and implemented for Phase II, groundwater samples were collected at Sentinel monitoring wells SMW-1, SWM-3, SMW-4, and NES monitoring well II-9 and submitted for laboratory analysis for Appendix I constituents.

2. In support of the CAP developed and implemented for Phase II, groundwater samples were collected at monitoring wells II-1, II-9, SMW-3, and MW-14 and submitted for laboratory analysis using various analytical methods, to measure certain monitored natural attenuation (MNA) indicator parameters.
3. To further evaluate and validate groundwater quality in the region down-gradient of compliance well II-3, a groundwater sample was collected at monitoring well II-3B and submitted for analysis for Appendix I constituents.

The monitoring well locations are depicted on **Figure 4**. Complete laboratory reports are included in **Appendix IV**.

The following provides a brief summary of the analytical results.

Sentinel Monitoring Wells and NES Well II-9

No Appendix I volatile organic constituents were detected at Sentinel monitoring wells SMW-1 and SMW-4. This finding suggests that the areas of concern represented by these well are compliant with the CAP specified groundwater clean-up goals.

1,1-Dichloroethane, cis-1,2-dichloroethene, and vinyl chloride were detected at NES well II-9. The detected concentrations of 1,1-dichloroethane and vinyl chloride were greater than the corresponding 2L Standards. Similarly, volatile organic compounds 1,1-Dichloroethane and cis-1,2-dichloroethene were detected at sentinel well SMW-3; however, the detected concentrations were below the corresponding 2L Standards. Sentinel well SMW-3 is located along the estimated flow path for shallow groundwater migrating from NES well II-9 toward the Compliance Boundary. Therefore, the analytical results for sentinel well SMW-3 suggest that the areas of concern represented by this well is compliant with the CAP specified groundwater clean-up goals.

Tables IV-1A, IV-1B, IV-1C, and IV-1D contained in **Appendix IV**, provides a summary of recent Appendix I volatile organic constituent analytical results for wells SME-1, SMW-3, SMW-4 and II-9.

MNA Monitoring

MNA parameters were collected and measured in groundwater samples collected at wells II-1, II-9, SMW-3 and MW-14. The data collected is being complied and examined as indicator that MNA processes are occurring in portions of the shallow aquifer monitored by these wells. **Tables IV-2A, IV-2B, IV-2C, and IV-2D** contained in **Appendix IV**, provides a summary of the October 2012 MNA parameters; however, the MNA assessment will be presented and discussed in detail in a future Corrective Action Evaluation Report.

Assessment Well II-3B

No Appendix I volatile organic constituents were detected above the corresponding 2L

Standards at assessment wells II-3B. Well II-3B is located along the estimated flow path for shallow groundwater migrating from post-closure monitoring well II-3 toward Buffalo Creek and the compliance boundary. The analytical results for well II-3B confirm the prior groundwater quality assessment findings. The data suggests that shallow groundwater migrating from well II-3, achieves compliance with the 2L Standards prior to reaching the point of compliance. Assessment well II-3B is located in a position that is a better measure of groundwater compliance for this portion of the monitored unit, rather than the location of well II-3. **Tables VI-3A and VI-3B**, contained in **Appendix VI**, provides a summary of recent Appendix I constituent analytical results for wells II-3 and II-3B.

7. REFERENCES

Fetter, C. W., 1988, Applied Hydrogeology, New York; Macmillian Publishing Company, 1988, 592 pp.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2L, Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina, Sections .0100, .0200, and .0300 (November 8, 1993); from the Environmental Management Commission Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2B, Classifications and Water Quality Standards Applicable to the Surface Waters of North Carolina, Section .0200 (April 1, 1991); from the Environmental Management Commission, Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Solid Waste Management, subchapter 13B, Solid Waste Management, Section .1600 (January 1, 1997).

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Type	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
				October 2012		April 2012	
				DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	Compliance	692.34	26.50	16.75	675.59	15.13	677.21
II-2	Compliance	690.05	32.24	20.40	669.65	19.37	670.68
II-3	Compliance	688.05	32.45	17.81	670.24	16.92	671.13
II-4	Compliance	703.27	28.72	13.68	689.59	10.33	692.94
II-5	Compliance	714.31	15.96	7.76	706.55	6.91	707.40
II-6	Compliance	698.47	20.57	12.64	685.83	10.87	687.60
II-7	Compliance	684.08	27.54	14.29	669.79	13.69	670.39
II-7B	NES	687.21	101.50	17.60	669.61	17.04	670.17
II-8	Compliance	707.09	34.95	9.70	697.39	9.19	697.90
II-9	NES	697.01	25.10	NG	--	NG	--
II-10	NES	703.90	23.40	NG	--	NG	--
II-11	NES	701.77	26.60	NG	--	NG	--
II-12	Compliance	700.97	22.90	11.23	689.74	10.06	690.91
MW-13	Compliance	741.30	33.78	22.11	719.19	18.91	722.39
MW-14	Compliance	765.30	34.28	28.16	737.14	27.13	738.17

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation
NG = Not Gauged

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Compliance Wells											Background Wells		NC SWSL	NCAC 2L
Compound	**II-1**	**II-2**	**II-3**	**II-4**	**II-5**	**II-6**	**II-7**	**II-7B**	**II-8**	**II-12**	**DUP II**	**MW-13**	**MW-14**		**std.**
Vinyl Chloride	**1.3**	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.03
Trichlorofluoromethane	ND	**0.88 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2000
1,1-Dichloroethane	**1.6 J**	**11**	**14**	**1.7 J**	ND	ND	**0.79 J**	**0.85 J**	ND	ND	**0.55 J**	ND	ND	5	6
cis 1,2-Dichloroethene	**3.0**	**23**	**0.73 J**	ND	ND	ND	**0.48 J**	**0.44 J**	ND	ND	ND	ND	ND	5	70
2-Butanone	ND	ND	ND	ND	ND	ND	ND	**11 J**	ND	ND	ND	ND	ND	100	170
Benzene	**1.5**	ND	**1.4**	ND	ND	**2.3**	ND	ND	ND	ND	ND	ND	ND	1	1
Tetrachloroethene	ND	**2.7**	ND	ND	ND	ND	**0.52 J**	**0.52 J**	ND	ND	ND	ND	ND	1	0.7
Trichloroethene	ND	**2.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
Tetrahydrofuran	**10**	ND	ND	ND	ND	**23**	ND	**170**	**4.9**	ND	**4.9**	ND	ND	ne	ns
Acetone	**3.3 J**	ND	ND	ND	ND	**9.8 J**	ND	ND	ND	**5.4 J**	ND	ND	ND	100	6000
Chlorobenzene	**3.5**	**0.74 J**	ND	**0.68 J**	ND	**5.7**	ND	ND	**1.8 J**	ND	**2.1 J**	ND	ND	3	50
Naphthalene	ND	ND	ND	ND	ND	**4.6 J**	ND	ND	ND	ND	ND	ND	ND	10	6
Total Xylenes	ND	ND	ND	ND	ND	**2.6 J**	ND	ND	ND	ND	ND	ND	ND	5	500
1,2 -Dichlorobenzene	**0.41 J**	ND	ND	ND	ND	**0.50 J**	ND	ND	ND	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	**7.7**	**0.94 J**	ND	ND	ND	**4.8**	ND	ND	**0.44 J**	ND	**0.48 J**	ND	ND	1	6

The table only list compounds detected during this monitoring event

NC SWSL= ***North Carolina Solid Waste Section Limit***
ND = ***compound not detected above NC SWSL***
NA = ***compound not analyzed during this event***
NCAC 2L stds. = ***15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***
JB = ***analyte detected in method blank and at a concentrations between the detection limit and the NC SWSL***
ns = ***no corresponding NCAC 2L groundwater quality standard***
ne = ***no corresponding NC SWSL***
all concentrations reported in micrograms per liter (ug/L)
Quantities highlighted in orange were detected above the 2L standards

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (METHOD 8270)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.	IMAC
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP II	MW-13	MW-14			
all target compounds	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected above NC SWSL
NA = compound not analyzed during this event
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
** IMAC = 15A NCAC 2L Groundwater Interim Maximum Allowable Concentration (IMAC)*
ns = no corresponding NCAC 2L groundwater quality standard, Groundwater Quality Standard, or SWSL
all concentrations reported in micrograms per liter (ug/L)
Quantities highlighted in orange were detected above the 2L standards
Quantities highlighted in orange were detected above the NC GWP standards

TABLE 4
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED INORGANIC CONSTITUENTS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.	*IMAC
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP II	MW-13	MW-14			
Antimony	ND	ND	ND	ND	ND	ND	**0.716 J**	ND	ND	ND	ND	ND	ND	6	ns	1
Arsenic	ND	ND	ND	**3.79 J**	**3.10 J**	**8.68 J**	**7.97 J**	**4.09 J**	ND	**6.04 J**	ND	ND	**2.87 J**	10	10	
Barium	**422**	**55.7 J**	**187**	**394**	**84.6 J**	**394**	**8.92 J**	**94.4 J**	**118**	**448**	**120**	**104**	**18.1 J**	100	700	
Chromium	**2.85 J**	ND	**2.15 J**	**15.2**	**1.13 J**	**3.16 J**	ND	ND	**1.04 J**	**1.30 J**	ND	ND	**2.23 J**	10	10	
Cobalt	**44.2**	ND	**14.6**	**12.0**	**1.33 J**	**35.3**	ND	ND	**1.25 J**	**1.85 J**	**1.42 J**	ND	ND	10	ns	1
Copper	**21.6**	ND	ND	**52.2**	**2.46 J**	ND	**1.64 J**	ND	ND	ND	ND	ND	ND	10	1000	
Lead	**3.47 J**	ND	**4.26 J**	**5.95 J**	**2.11 J**	ND	ND	ND	ND	**3.18 J**	ND	ND	**2.64 J**	10	15	
Mercury	ND	ND	**0.310**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2	1	
Nickel	**18.0 J**	ND	**12.4 J**	**23.3 J**	ND	**44.8 J**	ND	**2.66 J**	**23.4 J**	**11.3 J**	**24.4 J**	ND	ND	50	100	
Silver	**3.09 J**	ND	ND	**1.98 J**	ND	**3.04 J**	ND	ND	ND	**2.72 J**	ND	ND	ND	10	20	
Tin	**8.91 J**	**4.31 J**	**3.95 J**	**3.58 J**	**5.32 J**	**8.90 J**	ND	**4.44 J**	**4.21 J**	**4.48 J**	**6.45 J**	**3.92 J**	ND	100	ns	2000
Vanadium	ND	**2.30 J**	**1.90 J**	**73.3**	**2.36 J**	**2.99 J**	**8.02 J**	ND	**1.52 J**	ND	**1.82 J**	**4.23 J**	ND	25	ns	0.3
Zinc	**5.48 J**	ND	ND	**58.3**	ND	**8.58 J**	ND	ND	**4.57 J**	**4.94 J**	**5.02 J**	**11.1**	ND	10	1000	

The table only list compounds detected during this monitoring event

NC SWSL= ***North Carolina Solid Waste Section Limit***
ND = ***compound not detected above NC SWSL***
NCAC 2L stds. = ***15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater***
**** IMAC =*** ***15A NCAC 2L Groundwater Interim Maximum Allowable Concentration (IMAC)***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***
ns = ***no corresponding NCAC 2L groundwater quality standard***
all concentrations reported in micrograms per liter (ug/L)
Quantities highlighted in orange were detected above the 2L standards
Blue highlights indicate a measurement higher than the NC Interim Maximum Allowable Concentrations (IMAC)

TABLE 5
SUMMARY OF GROUNDWATER ANALYTICAL - OCTOBER 2012
DETECTED ORGANOCHLORINE PESTICIDES (METHOD 8081B)
DETECTED POLCHLORINATED BIPHENYLS (METHOD 8082A)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.	*IMAC
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP 2	MW-13	MW-14			
Organchlorine Pesticides by Method 8081B	No Target Analytes Detected above SWSL															
Compound	**Compliance Wells**											**Background Wells**		**NC SWSL**	**NCAC 2L stds.**	***IMAC**
	II-1	**II-2**	**II-3**	**II-4**	**II-5**	**II-6**	**II-7**	**II-7B**	**II-8**	**II-12**	**DUP 2**	**MW-13**	**MW-14**			
Polychlorinated Biphenyls by Method 8082A	No Target Analytes Detected above SWSL															

NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected above NC SWSL
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
**** IMAC = 15A NCAC 2L Groundwater Interim Maximum Allowable Concentration (IMAC)***
all concentrations reported in micrograms per liter (ug/L)

TABLE 6
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED CHLORINATED HERBICIDES (METHOD 8151A)
SULFATE (METHOD SM18 4500-S D)
CYANIDE - TOTAL (METHOD 9014)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Chlorinated Herbicde Comounds by Method 8151A	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP 2	MW-13	MW-14		
2,4,-D	ND	ND	ND	ND	ND	ND	ND	ND	ND	**0.16 J**	ND	ND	ND	1.0	70
	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP 2	MW-13	MW-14		
Cyanide (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	
	Compliance Wells											Background Wells		NC SWSL	NCAC 2L stds.
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP 2	MW-13	MW-14		
Sulfate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1000	

The table only list compounds detected during this monitoring event

NCAC 2L stds. = ***15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater***
NC SWSL= ***North Carolina Solid Waste Section Limit***
ns = ***no corresponding NCAC 2L groundwater quality standard***
all concentrations reported in micrograms per liter (ug/L)
ND = ***compound not detected above NC SWSL***
Quantities highlighted in orange were detected above the 2L standards

TABLE 7
GROUNDWATER VELOCITY DATA - OCTOBER 2012
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Hydraulic Conductivity (K = feet/day)	Porosity (n = %)	Gradient (I = feet/feet)	Groundwater Velocity (V= feet/day)
II-1	0.119	0.2	0.032	0.019
II-2	0.329	0.2	0.018	0.030
II-3	0.380	0.2	0.027	0.051
II-4	0.200	0.2	0.022	0.022
II-5	0.042	0.2	0.034	0.007
II-6	0.221	0.2	0.015	0.016
II-7	1.077	0.2	0.021	0.113
II-8	2.353	0.2	0.020	0.232
MW-14	0.740	0.2	0.016	0.059

Notes: Hydraulic Conductivity's from slug test data by BPA Environmental & Engineering Inc. and HDR Engineering
Porosity values from published literature, based on soil types
Gradients are based upon groundwater elevation data from this monitoring event
Velocity calculated using V = KI/n
NA = Not Applicable, deeper aquifer monitoring well

TABLE 8
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B Standards*	NC SWSL
	SW-1	SW-2	SW-3	SW-4	SW-5		
Acetone	ND	**4.4 J**	ND	ND	ND	ns	100
Bromodichloromethane	ND	ND	**0.53 J**	ND	ND	0.55	1
Chloroform	ND	ND	**1.2 J**	ND	ND	5.6	5

The table only list compounds detected during this monitoring event

NC SWSL= ***North Carolina Solid Waste Section Limit***
BQL = ***compound not detected above NC SWSL***
* = ***Title 15A NCAC 2B Standards for Class B, C surface water***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***
JB = ***analyte detected in method blank and at a concentrations between the detection limit and the NC SWSL***
ns = ***Title 15A NCAC 2B provides no established standard for these constituents***
Quantities highlighted in yellow were detected above the NC SWSL
Quantities highlighted in orange were detected above the 2B standards

TABLE 9
SUMMARY OF SURFACE WATER ANALYTICAL RESULTS - OCTOBER 2012
DETECTED METALS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

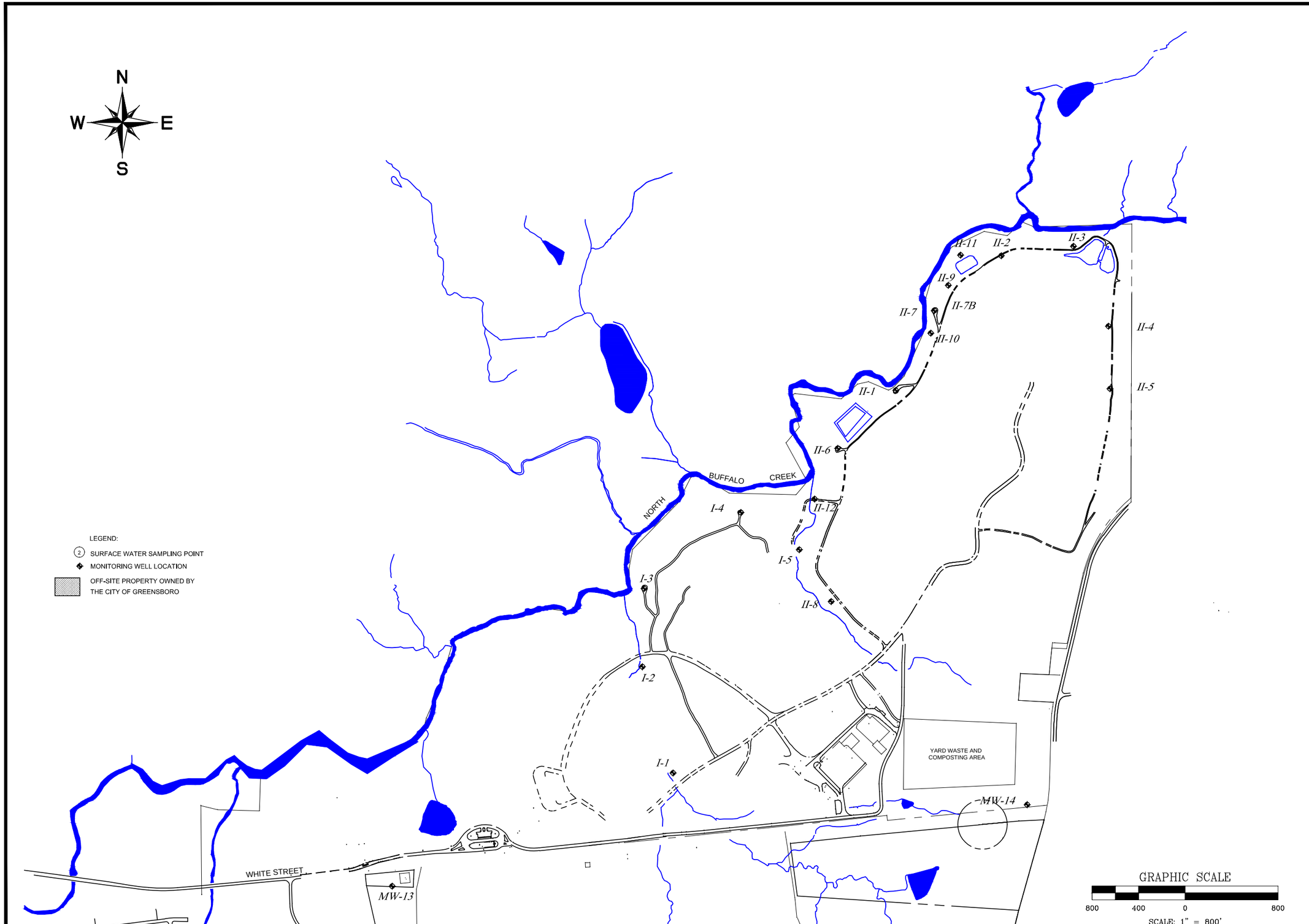
Compound	Sample Locations					15A NCAC 2B	NC SWSL
	SW-1	SW-2	SW-3	SW-4	SW-5	Standards*	(µg/l)
Arsenic	ND	ND	ND	ND	**5.25 J**	10	10
Barium	**48.2 J**	**51.2 J**	**25.2 J**	**34.8 J**	**35.1 J**	1000	100
Copper	**2.04 J**	ND	**5.47 J**	**2.22 J**	**2.71 J**	7**	10
Nickel	ND	**1.92 J**	**5.32 J**	**5.14 J**	**5.46 J**	25	50
Zinc	**12.3**	**5.81 J**	**25.3**	**20.3**	**22.0**	50**	10

The table only list compounds detected during this monitoring event

NC SWSL= ***North Carolina Solid Waste Section Limit***
ND = ***compound not detected above NC SWSL***
**** =*** ***Title 15A NCAC 2B Standards for Class B, C surface water***
** = ***Freshwater Standard***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***
ns = ***Title 15A NCAC 2B provides no established standard for these constituents***
NA = ***Not Analyzed***

Quantities Quantities highlighted in yellow were detected above the NC SWSL
Quantities Quantities highlighted in orange were detected above the 2L standards

FIGURES



SITE BASE MAP
PHASE II
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE:	AS SHOWN
JOB NO.	1584-98-081B
DRAWN BY:	DSB/RDM
DATE:	DECEMBER 2012
CHECKED BY:	EQBH
FIGURE NO.	1

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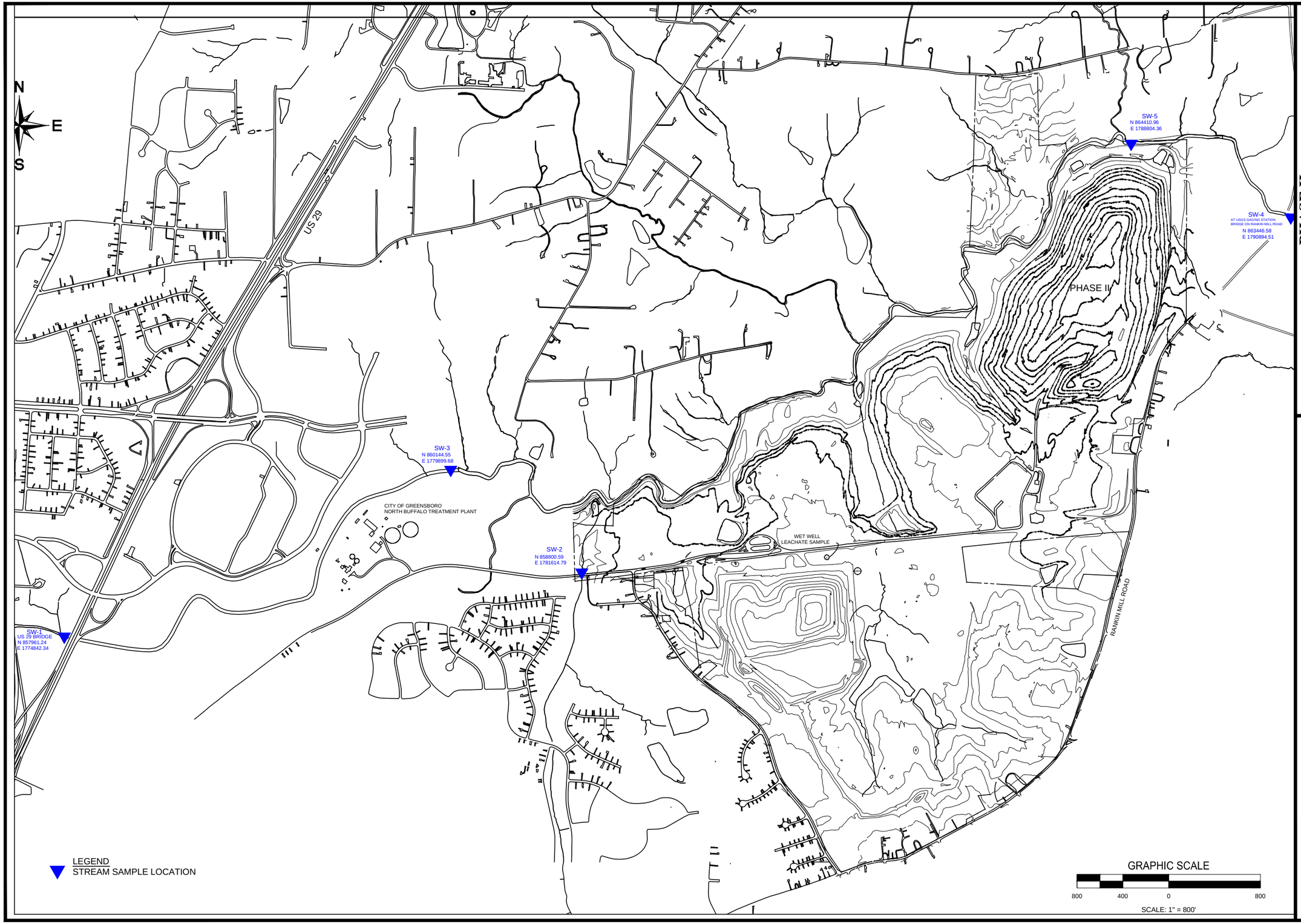

PHASE II
SURFACE WATER SAMPLING LOCATIONS
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: LE	
JOB NO. 1584-98-081	DATE: DECEMBER 2007	FIGURE NO. 2	

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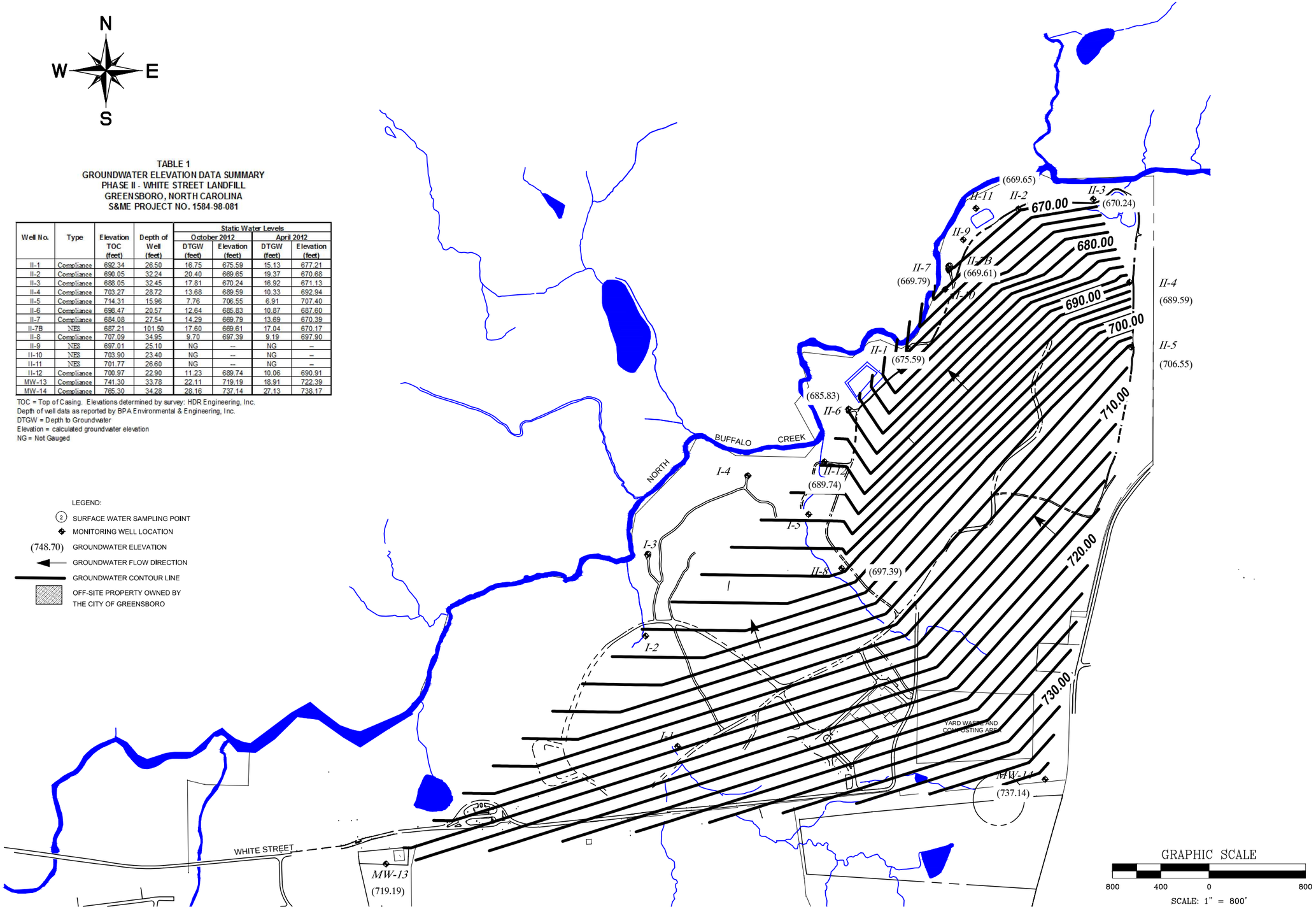
TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Type	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
				October 2012		April 2012	
				DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	Compliance	692.34	26.50	16.75	675.59	15.13	677.21
II-2	Compliance	690.05	32.24	20.40	669.65	19.37	670.68
II-3	Compliance	688.05	32.45	17.81	670.24	16.92	671.13
II-4	Compliance	703.27	28.72	13.68	689.59	10.33	692.94
II-5	Compliance	714.31	15.96	7.76	706.55	6.91	707.40
II-6	Compliance	698.47	20.57	12.64	685.83	10.87	687.60
II-7	Compliance	684.08	27.54	14.29	669.79	13.69	670.39
II-7B	NES	687.21	101.50	17.60	669.61	17.04	670.17
II-8	Compliance	707.09	34.95	9.70	697.39	9.19	697.90
II-9	NES	697.01	25.10	NG	--	NG	--
II-10	NES	703.90	23.40	NG	--	NG	--
II-11	NES	701.77	26.60	NG	--	NG	--
II-12	Compliance	700.97	22.90	11.23	689.74	10.06	690.91
MW-13	Compliance	741.30	33.78	22.11	719.19	18.91	722.39
MW-14	Compliance	765.30	34.28	28.16	737.14	27.13	738.17

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation
NG = Not Gauged



GROUNDWATER FLOW MAP
PHASE II
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN
DRAWN BY: DSB/RDM
CHECKED BY: SC
JOB NO. 1584-98-081B
DATE: DECEMBER 2012
FIGURE NO. 3

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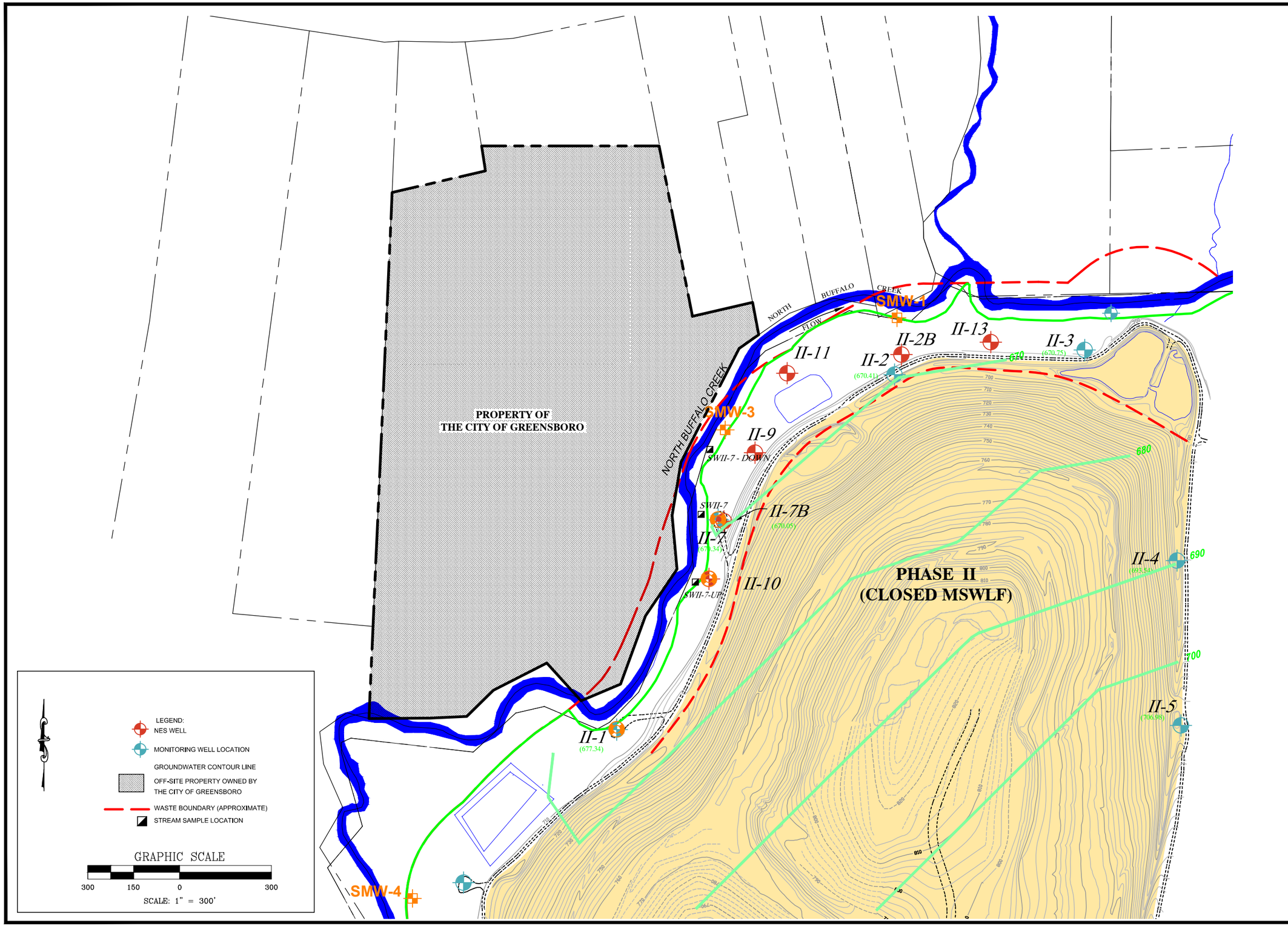

DETAILED SITE MAP
PHASE II
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: EQBH	
JOB NO. 1584-98-081B	DATE: DECEMBER 2012	FIGURE NO. 4	

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APPENDIX I
Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Friday, October 26, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II1	Sample Date:	Friday, October 26, 2012
		Sample Time:	930
Locked?:	Yes: ____ No: x	Weather:	Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	16.75	feet
Depth to well bottom from measuring point:	25.00	feet
Height of water column:	8.25	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 2.5 sec.; Off: 27.5 sec.; Pressure: 18 psi

Purge Time

Start 730 Stop 800

Sample Collection Time

Start 800 Stop 930

Volume of water in well

2" well:

height: 8.25 x .163 = 1.34475 Ferrous Iron: 1.45 mg/L

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
730	10/26/2012							
735	10/26/2012	17.60	7.09	2.220	129	2.66	9.51	17.00
740	10/26/2012	16.73	7.29	2.630	108	1.86	7.57	17.11
745	10/26/2012	16.33	7.34	2.750	101	1.49	6.95	17.01
750	10/26/2012	16.15	7.38	2.700	98	1.45	6.09	17.03
755	10/26/2012	15.97	7.42	2.930	96	1.44	6.16	17.04
800	10/26/2012	15.93	7.48	2.760	95	1.43	5.75	17.02

Final Readings	800	10/26/2012	15.93	7.48	2.760	95	1.43	5.75	17.02
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 31, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II2	Sample Date:	Wednesday, October 31, 2012
		Sample Time:	955
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	45 *F

Water Level & Well Data

Depth to water from measuring point:	20.40	feet
Depth to well bottom from measuring point:	29.00	feet
Height of water column:	8.60	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.

Off: 27.0 sec.

Pressure: _____ psi

Purge Time

Start 820 Stop 855

Sample Collection Time

Start 855 Stop 955

Volume of water in well

2" well:

height: 8.6 x .163 = 1.4018

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
820	10/31/2012							
825	10/31/2012	10.69	8.41	1.351	114	8.31	5.93	20.83
830	10/31/2012	10.90	8.51	1.101	64	6.97	7.59	20.74
835	10/31/2012	10.73	8.48	1.001	53	3.03	6.50	20.75
840	10/31/2012	11.17	8.42	0.956	49	3.59	6.40	20.78
845	10/31/2012	11.11	8.39	0.926	46	3.49	6.96	20.79
850	10/31/2012	11.26	8.38	0.953	43	3.23	7.02	20.77
855	10/31/2012	11.32	8.37	0.951	41	3.24	6.83	20.78

Final Readings	855	10/31/2012	11.32	8.37	0.951	41	3.24	6.83	20.78
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 24, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II3	Sample Date:	Wednesday, October 24, 2012
		Sample Time:	1700
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	17.81	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	12.19	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 20 psi

Purge Time

Start 1515 Stop 1600

Sample Collection Time

Start 1600 Stop 1700

Volume of water in well

2" well:

height: 12.19 x .163 = 1.98697

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1515	10/24/2012							
1520	10/24/2012	25.83	6.97	0.493	136	1.87	210.00	18.09
1525	10/24/2012	22.17	6.92	0.429	129	2.24	59.20	18.11
1530	10/24/2012	21.73	6.92	0.449	135	1.11	52.70	18.10
1535	10/24/2012	21.27	6.88	0.430	135	0.97	41.90	18.07
1540	10/24/2012	20.83	6.68	0.426	138	1.11	26.60	18.10
1545	10/24/2012	21.10	6.88	0.448	138	0.98	17.70	18.10
1550	10/24/2012	20.95	6.89	0.422	138	0.44	17.37	18.09
1555	10/24/2012	20.83	6.91	0.407	137	0.30	19.70	18.11
1600	10/24/2012	20.58	6.91	0.420	137	0.49	18.35	18.10

Final Readings	1600	10/24/2012	20.58	6.91	0.420	137	0.49	18.35	18.10
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 24, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II4	Sample Date:	Wednesday, October 24, 2012
		Sample Time:	1435
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	13.68	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	16.32	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.5 sec.

Off: 26.5 sec.

Pressure: 26 psi

Purge Time

Start 1235 Stop 1335

Sample Collection Time

Start 1335 Stop 1435

Volume of water in well

2" well:

height: 16.32 x .163 = 2.66016

Volume of water removed: 7.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1235	10/24/2012							
1240	10/24/2012	20.37	7.41	0.753	167	2.41	20.10	13.98
1245	10/24/2012	20.33	7.36	0.782	174	2.09	79.90	14.03
1250	10/24/2012	20.32	7.32	0.739	181	2.29	65.90	13.97
1255	10/24/2012	21.01	7.28	0.833	182	2.08	44.60	13.90
1300	10/24/2012	21.32	7.26	0.845	183	2.26	64.60	13.93
1305	10/24/2012	21.20	7.27	0.845	184	2.39	47.50	14.00
1310	10/24/2012	18.98	7.26	0.821	192	1.12	95.00	14.07
1315	10/24/2012	19.12	7.25	0.834	195	0.99	118.00	14.13
1320	10/24/2012	19.96	7.26	0.816	196	1.41	135.00	14.08
1325	10/24/2012	20.33	7.23	0.818	197	1.20	140.00	14.09
1330	10/24/2012	20.74	7.23	0.822	197	1.25	138.00	14.05
1335	10/24/2012	20.89	7.23	0.825	200	1.14	136.00	14.01

Final Readings	1335	10/24/2012	20.89	7.23	0.825	200	1.14	136.00	14.01
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 24, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II5	Sample Date:	Wednesday, October 24, 2012
		Sample Time:	1215
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	7.76	feet
Depth to well bottom from measuring point:	16.00	feet
Height of water column:	8.24	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 15 psi

Purge Time

Start 1040 Stop 1115

Sample Collection Time

Start 1115 Stop 1215

Volume of water in well

2" well:

height: 8.24 x .163 = 1.34312

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1040	10/24/2012							
1045	10/24/2012	18.56	8.60	0.372	104	2.23	17.26	7.99
1050	10/24/2012	18.03	8.42	0.371	102	1.63	13.66	8.01
1055	10/24/2012	17.83	8.32	0.373	100	1.97	10.76	8.02
1100	10/24/2012	18.06	8.26	0.357	99	2.06	9.56	8.04
1105	10/24/2012	18.02	8.23	0.369	94	1.84	9.00	8.05
1110	10/24/2012	18.03	8.16	0.352	84	1.02	9.36	8.09
1115	10/24/2012	18.34	8.15	0.360	88	1.13	9.37	8.12
Final Readings	1115	10/24/2012	18.34	8.15	0.360	88	1.13	9.37	8.12
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Friday, October 26, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II6	Sample Date:	Friday, October 26, 2012
		Sample Time:	1120
Locked?:	Yes: x No:	Weather:	Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	12.64	feet
Depth to well bottom from measuring point:	17.00	feet
Height of water column:	4.36	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 16 psi

Purge Time

Start 950 Stop 1020

Sample Collection Time

Start 1020 Stop 1120

Volume of water in well

2" well:

height: 4.36 x .163 = 0.71068

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
950	10/26/2012							
955	10/26/2012	15.21	8.05	1.730	-18	3.06	6.69	13.24
1000	10/26/2012	15.43	8.06	2.050	-26	2.67	7.98	13.23
1005	10/26/2012	15.34	8.10	2.210	-34	2.72	9.19	13.27
1010	10/26/2012	15.30	8.12	2.420	-39	2.52	10.11	13.30
1015	10/26/2012	15.49	8.13	2.550	-41	2.59	10.53	13.29
1020	10/26/2012	15.15	8.16	2.600	-45	2.67	10.43	13.31

Final Readings	1020	10/26/2012	15.15	8.16	2.600	-45	2.67	10.43	13.31
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 31, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II7b	Sample Date:	Wednesday, October 31, 2012
		Sample Time:	1145
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	50 *F

Water Level & Well Data

Depth to water from measuring point:	17.60	feet
Depth to well bottom from measuring point:	101.00	feet
Height of water column:	83.40	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 2.5 sec.

Off: 27.5 sec.

Pressure: 52 psi

Purge Time

Start 1015 Stop 1045

Sample Collection Time

Start 1045 Stop 1145

Volume of water in well

2" well:

height: 83.4 x .163 = 13.5942

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1015	10/31/2012							
1020	10/31/2012	12.06	10.01	0.501	-45	4.01	5.25	18.32
1025	10/31/2012	11.95	11.46	0.478	-54	3.08	5.26	18.56
1030	10/31/2012	11.79	12.12	0.471	-54	2.26	5.86	18.70
1035	10/31/2012	10.12	12.64	0.495	-32	1.79	6.34	18.82
1040	10/31/2012	10.76	12.69	0.490	-33	1.72	6.62	18.95
1045	10/31/2012	10.97	12.70	0.498	-34	1.89	6.58	19.09

Final Readings	1045	10/31/2012	10.97	12.70	0.498	-34	1.89	6.58	19.09
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 31, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II7	Sample Date:	Wednesday, October 31, 2012
		Sample Time:	1330
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	50 *F

Water Level & Well Data

Depth to water from measuring point:	14.29	feet
Depth to well bottom from measuring point:	27.00	feet
Height of water column:	12.71	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Blader Pump

Sample Method: Blader Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 21 psi

Purge Time

Start 1200 Stop 1230

Sample Collection Time

Start 1230 Stop 1330

Volume of water in well

2" well:

height: 12.71 x .163 = 2.07173

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1200	10/31/2012							
1205	10/31/2012	10.94	10.71	0.265	71	2.29	6.87	14.41
1210	10/31/2012	13.60	7.95	0.322	173	0.82	4.63	14.45
1215	10/31/2012	13.73	6.99	0.344	192	0.46	4.55	14.48
1220	10/31/2012	13.88	6.74	0.349	208	0.43	4.43	14.51
1225	10/31/2012	13.93	6.68	0.356	214	0.40	4.52	14.49
1230	10/31/2012	14.00	6.67	0.358	221	0.46	4.71	14.50

Final Readings	1230	10/31/2012	14.00	6.67	0.358	221	0.46	4.71	14.50
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Friday, October 26, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II8	Sample Date:	Friday, October 26, 2012
		Sample Time:	1435
Locked?:	Yes: x No:	Weather:	Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	9.70	feet
Depth to well bottom from measuring point:	32.50	feet
Height of water column:	22.80	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Blader Pump

Sample Method: Blader Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.5 sec.

Off: 26.5 sec.

Pressure: 30 psi

Purge Time

Start 1200 Stop 1235

Sample Collection Time

Start 1235 Stop 1435

Note: Duplicate II taken at this location. (0800 hrs)

Volume of water in well

2" well:

height: 22.8 x .163 = 3.7164

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1200	10/26/2012							
1205	10/26/2012	17.76	7.93	2.560	36	1.87	67.30	9.81
1210	10/26/2012	17.80	7.86	2.780	47	1.63	35.90	9.79
1215	10/26/2012	17.63	7.82	2.790	49	1.88	15.92	9.80
1220	10/26/2012	17.52	7.79	2.820	47	1.66	11.22	9.80
1225	10/26/2012	17.78	7.78	3.030	46	1.56	11.15	9.79
1230	10/26/2012	17.76	7.78	2.950	48	1.48	9.91	9.80
1235	10/26/2012	17.68	7.78	2.990	49	1.41	10.20	9.81
Final Readings	1235	10/26/2012	17.68	7.78	2.990	49	1.41	10.20	9.81
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 31, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-II12	Sample Date:	Wednesday, October 31, 2012
		Sample Time:	1520
Locked?:	Yes: x No:	Weather:	Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	11.23	feet
Depth to well bottom from measuring point:	22.80	feet
Height of water column:	11.57	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 100 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 1350 Stop 1420

Sample Collection Time

Start 1420 Stop 1520

Volume of water in well

2" well:

height: 11.57 x .163 = 1.88591

Volume of water removed: 4.0 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1350	10/31/2012							
1355	10/31/2012	15.97	7.54	1.065	-25	1.18	5.81	11.48
1400	10/31/2012	15.97	7.67	1.041	-34	0.79	6.10	11.55
1405	10/31/2012	16.19	7.74	1.005	-37	0.71	5.56	11.62
1410	10/31/2012	16.27	7.78	0.985	-38	0.67	5.21	11.67
1415	10/31/2012	16.22	7.79	0.961	-32	0.66	5.16	11.69
1420	10/31/2012	16.29	7.79	0.950	-30	0.66	5.22	11.72

Final Readings	1420	10/31/2012	16.29	7.79	0.950	-30	0.66	5.22	11.72
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 31, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-MW13	Sample Date:	Wednesday, October 31, 2012
		Sample Time:	1725
Locked?:	Yes: x No:	Weather:	Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	22.11	feet
Depth to well bottom from measuring point:	33.00	feet
Height of water column:	10.89	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.

Off: 27.0 sec.

Pressure: _____ psi

Purge Time

Start 1545 Stop 1625

Sample Collection Time

Start 1625 Stop 1725

Volume of water in well

2" well:

height: 10.89 x .163 = 1.77507

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1545	10/31/2012							
1550	10/31/2012	13.94	8.07	0.474	21	4.32	11.14	22.43
1555	10/31/2012	13.37	7.93	0.439	61	3.36	5.90	22.56
1600	10/31/2012	13.28	7.92	0.428	80	3.73	4.95	22.66
1605	10/31/2012	13.20	7.91	0.425	96	3.86	4.71	22.77
1610	10/31/2012	13.02	7.91	0.402	108	3.91	4.56	22.87
1615	10/31/2012	13.39	7.91	0.417	116	3.73	4.56	22.96
1620	10/31/2012	13.18	7.89	0.405	121	3.66	4.52	23.05
1625	10/31/2012	12.98	7.88	0.399	127	3.75	4.65	23.10

Final Readings	1625	10/31/2012	12.98	7.88	0.399	127	3.75	4.65	23.10
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Thursday, October 25, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-MW14	Sample Date:	Thursday, October 25, 2012
		Sample Time:	1700
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	28.16	feet
Depth to well bottom from measuring point:	34.00	feet
Height of water column:	5.84	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 4.0 sec.; Off: 26.0 sec.; Pressure: 28 psi

Purge Time

Start 1510 Stop 1540

Sample Collection Time

Start 1540 Stop 1700

Volume of water in well

2" well:

height: 5.84 x .163 = 0.95192

Ferrous Iron: 0.02 mg/L

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1510	10/25/12							
1515	10/25/12	23.87	6.81	0.070	221	2.63	7.22	
1520	10/25/12	24.98	6.76	0.067	221	2.48	6.56	
1525	10/25/12	25.72	6,67	0.062	226	2.51	7.76	
1530	10/25/12	26.31	6.57	0.072	230	2.28	8.69	
1535	10/25/12	26.84	6.46	0.073	234	2.32	7.63	
1540	10/25/12	26.91	6.43	0.071	235	2.30	7.09	
Final Readings	1540	10/25/12	26.91	6.43	0.071	235	2.30	7.09	
			* C	units	mS/cm	mV	mg/L	NTU	

Blank

Location:	White Street Landfill	Purge Date:	Wednesday, October 24, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-I1	Sample Date:	Wednesday, October 24, 2012
		Sample Time:	845
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	10.20	feet
Depth to well bottom from measuring point:	25.00	feet
Height of water column:	14.80	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.

Off: 27.0 sec.

Pressure: ____ psi

Purge Time

Start 800 Stop 840

Sample Collection Time

Start 840 Stop 845

Volume of water in well

2" well:

height: 14.8 x .163 = 2.4124

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
800	10/24/2012							
805	10/24/2012	13.52	7.58	3.130	54	1.68	88.40	10.35
810	10/24/2012	13.51	7.56	3.280	59	1.49	44.80	10.34
815	10/24/2012	13.29	7.54	3.250	62	1.94	22.70	10.34
820	10/24/2012	13.07	7.53	3.240	65	1.85	17.04	10.35
825	10/24/2012	16.06	7.51	3.140	71	1.51	14.82	10.35
830	10/24/2012	13.15	7.52	3.110	73	1.44	14.93	10.35
835	10/24/2012	12.86	7.49	3.260	73	1.24	13.84	10.34
840	10/24/2012	12.90	7.49	3.270	73	1.45	13.63	10.35

Final Readings	840	10/24/2012	12.90	7.49	3.270	73	1.45	13.63	10.35
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Wednesday, October 24, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-I2	Sample Date:	Wednesday, October 24, 2012
		Sample Time:	1000
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	5.25	feet
Depth to well bottom from measuring point:	21.30	feet
Height of water column:	16.05	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.

Off: 27.0 sec.

Pressure: _____ psi

Purge Time

Start 910 Stop 955

Sample Collection Time

Start 955 Stop 1000

Volume of water in well

2" well:

height: 16.05 x .163 = 2.61615

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
910	10/24/2012							
915	10/24/2012	17.16	7.90	2.270	5	1.25	32.40	6.00
920	10/24/2012	17.88	7.96	1.920	-5	0.97	53.90	6.26
925	10/24/2012	18.30	8.02	1.620	-13	0.69	87.90	6.35
930	10/24/2012	18.43	8.09	1.470	-21	0.52	133.00	6.67
935	10/24/2012	18.62	8.14	1.449	-26	1.00	144.00	6.82
940	10/24/2012	18.82	8.18	1.389	-30	1.16	169.00	6.90
945	10/24/2012	18.96	8.22	1.333	-34	0.93	150.00	7.03
950	10/24/2012	19.00	8.24	1.305	-37	0.80	158.00	7.05
955	10/24/2012	19.12	8.25	1.276	-37	0.77	152.00	7.11

Final Readings	955	10/24/2012	19.12	8.25	0.276	-37	0.77	152.00	7.11
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, October 23, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-I3	Sample Date:	Tuesday, October 23, 2012
		Sample Time:	1600
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	14.32	feet
Depth to well bottom from measuring point:	24.20	feet
Height of water column:	9.88	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 21 psi

Purge Time

Start 1515 Stop 1555

Sample Collection Time

Start 1555 Stop 1600

Volume of water in well

2" well:

height: 9.88 x .163 = 1.61044

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1515	10/23/2012							
1520	10/23/2012	21.86	7.72	2.350	101	2.40	11.28	14.45
1525	10/23/2012	20.89	7.61	2.770	67	2.06	11.17	14.44
1530	10/23/2012	20.44	7.57	2.950	64	1.72	9.39	14.50
1535	10/23/2012	20.56	7.58	3.040	62	1.33	12.52	14.54
1540	10/23/2012	20.53	7.59	3.120	61	1.21	11.53	14.55
1545	10/23/2012	20.58	7.61	3.130	62	1.01	12.25	14.59
1550	10/23/2012	20.18	7.62	3.040	62	0.92	11.48	14.55
1555	10/23/2012	20.00	7.66	2.910	63	0.90	11.85	14.61

Final Readings	1555	10/23/2012	20.00	7.66	2.910	63	0.90	11.85	14.61
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, October 23, 2012
Project No.:	1584-98-081	Purge Time:	
Source Well:	4103-I4	Sample Date:	Tuesday, October 23, 2012
		Sample Time:	1710
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	2.75	feet
Depth to well bottom from measuring point:	15.00	feet
Height of water column:	12.25	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 2.0 sec.
Off: 28.0 sec.
Pressure: 15 psi

Purge Time
Start 1625 Stop 1705

Sample Collection Time
Start 1705 Stop 1710

Volume of water in well

2" well:

height: 12.25 x .163 = 1.99675

Volume of water removed: 5.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1625	10/23/2012							
1630	10/23/2012	20.42	8.40	2.100	-95	1.08	79.40	3.26
1635	10/23/2012	19.88	8.55	2.040	-112	0.29	120.00	3.40
1640	10/23/2012	19.33	8.58	2.010	-115	0.29	78.90	3.48
1645	10/23/2012	19.66	8.59	1.970	-114	0.22	82.90	3.52
1650	10/23/2012	19.47	8.59	2.010	-112	0.22	113.00	3.55
1655	10/23/2012	19.32	8.59	2.030	-110	0.23	136.00	3.57
1700	10/23/2012	19.28	8.59	2.030	-109	0.23	161.00	3.60
1705	10/23/2012	19.20	8.59	2.030	-109	0.21	160.00	3.58

Final Readings	1705	10/23/2012	19.20	8.59	2.030	-109	0.21	160.00	3.58
			* C	units	mS/cm	mV	mg/L	NTU	

APPENDIX II

October 2012 Laboratory Analytical Results Report

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, November 21, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill App IIs
ENCO Workorder(s): C212411,C212815,C212911

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory between Friday, October 26, 2012 and Thursday, November 1, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 206.

PROJECT NARRATIVE

Client: S&ME, Inc. (SM004)
Project: White Street Landfill App IIs

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

The in-hold 8270 extraction of 4103-MW14 was lost to evaporation via a cracked vial. An out of hold extraction was performed and the results have been reported.

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Chuck Smith
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-II1 | **Lab ID: C212411-01** | **Sampled: 10/26/12 09:30** | **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/24/13		10/30/12	11:29	11/1/2012 14:24
EPA 6020A	04/24/13		10/31/12	11:04	11/7/2012 13:15
EPA 7470A	11/23/12		10/31/12	16:27	11/1/2012 17:27
EPA 8081B	11/02/12	12/10/12	10/31/12	10:09	11/1/2012 16:06
EPA 8082A	10/26/13	12/10/12	10/31/12	10:33	11/1/2012 16:06
EPA 8151A	11/02/12	12/09/12	10/30/12	12:30	11/2/2012 00:59
EPA 8260B	11/09/12		11/02/12	11:59	11/3/2012 00:53
EPA 8270D	11/02/12	12/10/12	10/31/12	18:20	11/7/2012 23:02
EPA 9014	11/09/12		11/02/12	09:40	11/2/2012 16:38
SM18 4500-S D	11/02/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-II3 | **Lab ID: C212411-02** | **Sampled: 10/24/12 17:00** | **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/22/13		10/30/12	11:29	11/1/2012 14:27
EPA 6020A	04/22/13		10/31/12	11:04	11/7/2012 12:39
EPA 7470A	11/21/12		10/31/12	16:27	11/1/2012 17:34
EPA 8081B	10/31/12	12/09/12	10/30/12	11:19	11/1/2012 16:19
EPA 8082A	10/24/13	12/10/12	10/31/12	10:33	11/1/2012 16:19
EPA 8151A	10/31/12	12/09/12	10/30/12	12:30	11/2/2012 01:25
EPA 8260B	11/07/12		11/02/12	11:59	11/3/2012 01:22
EPA 8270D	10/31/12	12/09/12	10/30/12	10:01	11/7/2012 18:28
EPA 9014	11/07/12		11/02/12	09:40	11/2/2012 16:40
SM18 4500-S D	10/31/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-II4 | **Lab ID: C212411-03** | **Sampled: 10/24/12 14:35** | **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/22/13		10/30/12	11:29	11/1/2012 14:30
EPA 6020A	04/22/13		10/31/12	11:04	11/7/2012 13:19
EPA 7470A	11/21/12		10/31/12	16:27	11/1/2012 17:38
EPA 8081B	10/31/12	12/09/12	10/30/12	11:19	11/1/2012 16:32
EPA 8082A	10/24/13	12/10/12	10/31/12	10:33	11/1/2012 16:32
EPA 8151A	10/31/12	12/09/12	10/30/12	12:30	11/2/2012 01:51
EPA 8270D	10/31/12	12/09/12	10/30/12	10:01	11/7/2012 18:59
EPA 9014	11/07/12		11/02/12	12:30	11/2/2012 16:42
SM18 4500-S D	10/31/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-II4 | **Lab ID: C212411-03RE1** | **Sampled: 10/24/12 14:35** | **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	11/07/12		11/02/12	11:59	11/5/2012 11:41

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Client ID: 4103-II5	Lab ID: C212411-04	Sampled: 10/24/12 12:15	Received: 10/26/12 11:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/22/13		10/30/12	11:29	11/1/2012 14:32
EPA 6020A	04/22/13		10/31/12	11:04	11/7/2012 13:23
EPA 7470A	11/21/12		10/31/12	16:27	11/1/2012 17:40
EPA 8081B	10/31/12	12/09/12	10/30/12	11:19	11/1/2012 16:47
EPA 8082A	10/24/13	12/10/12	10/31/12	10:33	11/1/2012 16:47
EPA 8151A	10/31/12	12/09/12	10/30/12	12:30	11/2/2012 02:17
EPA 8260B	11/07/12		11/02/12	12:10	11/3/2012 07:44
EPA 8270D	10/31/12	12/09/12	10/30/12	10:01	11/7/2012 19:29
EPA 9014	11/07/12		11/02/12	12:30	11/2/2012 16:44
SM18 4500-S D	10/31/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-II6	Lab ID: C212411-05	Sampled: 10/26/12 11:20	Received: 10/26/12 11:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/24/13		10/30/12	11:29	11/1/2012 14:37
EPA 6020A	04/24/13		10/31/12	11:04	11/7/2012 13:27
EPA 7470A	11/23/12		10/31/12	16:27	11/1/2012 17:42
EPA 8081B	11/02/12	12/10/12	10/31/12	10:09	11/1/2012 17:02
EPA 8082A	10/26/13	12/10/12	10/31/12	10:33	11/1/2012 17:02
EPA 8151A	11/02/12	12/09/12	10/30/12	12:30	11/2/2012 02:43
EPA 8260B	11/09/12		11/02/12	12:10	11/3/2012 08:14
EPA 8270D	11/02/12	12/10/12	10/31/12	18:20	11/7/2012 23:33
EPA 9014	11/09/12		11/02/12	12:30	11/2/2012 16:47
SM18 4500-S D	11/02/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-MW14	Lab ID: C212411-06	Sampled: 10/25/12 17:00	Received: 10/26/12 11:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/23/13		10/30/12	11:29	11/1/2012 14:53
EPA 6020A	04/23/13		10/31/12	11:04	11/7/2012 13:31
EPA 7470A	11/22/12		10/31/12	16:27	11/1/2012 17:44
EPA 8081B	11/01/12	12/10/12	10/31/12	10:09	11/1/2012 17:16
EPA 8082A	10/25/13	12/10/12	10/31/12	10:33	11/1/2012 17:16
EPA 8151A	11/01/12	12/09/12	10/30/12	12:30	11/2/2012 03:09
EPA 8260B	11/08/12		11/02/12	12:10	11/3/2012 08:43
EPA 9014	11/08/12		11/02/12	12:30	11/2/2012 16:49
SM18 4500-S D	11/01/12		10/29/12	11:01	10/29/2012 11:33

Client ID: 4103-MW14	Lab ID: C212411-06RE1	Sampled: 10/25/12 17:00	Received: 10/26/12 11:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270D	11/01/12	12/18/12	11/08/12	16:09	11/9/2012 15:11

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Client ID: 4103-DuplicateII	Lab ID: C212815-01	Sampled: 10/26/12 08:00	Received: 10/29/12 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/24/13		10/31/12	11:09	11/2/2012 14:15
EPA 6020A	04/24/13		10/31/12	11:00	11/9/2012 12:47
EPA 7470A	11/23/12		10/31/12	16:26	11/1/2012 16:44
EPA 8081B	11/02/12	12/10/12	10/31/12	10:09	11/1/2012 17:46
EPA 8082A	10/26/13	12/10/12	10/31/12	10:33	11/1/2012 17:46
EPA 8151A	11/02/12	12/10/12	10/31/12	05:05	11/1/2012 23:15
EPA 8260B	11/09/12		11/05/12	12:50	11/6/2012 04:58
EPA 9014	11/09/12		11/02/12	12:30	11/2/2012 16:51
SM18 4500-S D	11/02/12		11/02/12	14:20	11/2/2012 14:35

Client ID: 4103-DuplicateII	Lab ID: C212815-01RE1	Sampled: 10/26/12 08:00	Received: 10/29/12 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270D	11/02/12	12/10/12	10/31/12	18:20	11/8/2012 13:47

Client ID: 4103-II8	Lab ID: C212815-02	Sampled: 10/26/12 14:45	Received: 10/29/12 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/24/13		10/31/12	11:09	11/2/2012 14:18
EPA 6020A	04/24/13		10/31/12	11:00	11/9/2012 12:51
EPA 7470A	11/23/12		10/31/12	16:26	11/1/2012 16:46
EPA 8081B	11/02/12	12/10/12	10/31/12	10:09	11/1/2012 18:00
EPA 8082A	10/26/13	12/10/12	10/31/12	10:33	11/1/2012 18:00
EPA 8151A	11/02/12	12/10/12	10/31/12	05:05	11/1/2012 23:41
EPA 8260B	11/09/12		11/05/12	12:50	11/6/2012 05:27
EPA 9014	11/09/12		11/02/12	12:30	11/2/2012 16:53
SM18 4500-S D	11/02/12		11/02/12	14:20	11/2/2012 14:35

Client ID: 4103-II8	Lab ID: C212815-02RE1	Sampled: 10/26/12 14:45	Received: 10/29/12 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8270D	11/02/12	12/10/12	10/31/12	18:20	11/8/2012 14:17

Client ID: 4103-II2	Lab ID: C212911-01	Sampled: 10/31/12 09:55	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/29/13		11/01/12	15:59	11/5/2012 14:19
EPA 6020A	04/29/13		11/01/12	16:01	11/8/2012 12:57
EPA 7470A	11/28/12		11/05/12	12:59	11/6/2012 13:40
EPA 8081B	11/07/12	12/17/12	11/07/12	15:38	11/8/2012 21:53
EPA 8082A	10/31/13	12/17/12	11/07/12	15:42	11/8/2012 21:53
EPA 8151A	11/07/12	12/13/12	11/03/12	11:10	11/7/2012 20:06
EPA 8260B	11/14/12		11/06/12	14:37	11/7/2012 12:25
EPA 8270D	11/07/12	12/17/12	11/07/12	09:24	11/8/2012 17:19
EPA 9014	11/14/12		11/02/12	12:30	11/2/2012 16:55
SM18 4500-S D	11/07/12		11/02/12	14:20	11/2/2012 14:35

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Client ID: 4103-II7	Lab ID: C212911-02	Sampled: 10/31/12 13:30	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C	04/29/13		11/01/12	15:59	11/5/2012	14:35
EPA 6020A	04/29/13		11/01/12	16:01	11/8/2012	12:28
EPA 7470A	11/28/12		11/05/12	12:59	11/6/2012	13:42
EPA 8081B	11/07/12	12/17/12	11/07/12	15:38	11/8/2012	22:06
EPA 8082A	10/31/13	12/17/12	11/07/12	15:42	11/8/2012	22:06
EPA 8151A	11/07/12	12/13/12	11/03/12	11:10	11/7/2012	20:32
EPA 8260B	11/14/12		11/06/12	14:37	11/7/2012	12:55
EPA 8270D	11/07/12	12/17/12	11/07/12	09:24	11/8/2012	17:49
EPA 9014	11/14/12		11/02/12	12:30	11/2/2012	16:57
SM18 4500-S D	11/07/12		11/02/12	14:20	11/2/2012	14:35

Client ID: 4103-II7B	Lab ID: C212911-03	Sampled: 10/31/12 11:45	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C	04/29/13		11/01/12	15:59	11/5/2012	14:37
EPA 6020A	04/29/13		11/01/12	16:01	11/8/2012	13:01
EPA 7470A	11/28/12		11/05/12	12:59	11/6/2012	12:55
EPA 8081B	11/07/12	12/17/12	11/07/12	15:38	11/8/2012	22:19
EPA 8082A	10/31/13	12/17/12	11/07/12	15:42	11/8/2012	22:19
EPA 8151A	11/07/12	12/13/12	11/03/12	11:10	11/7/2012	20:58
EPA 8260B	11/14/12		11/06/12	14:37	11/7/2012	13:25
EPA 8270D	11/07/12	12/17/12	11/07/12	09:24	11/8/2012	18:20
EPA 9014	11/14/12		11/02/12	12:30	11/2/2012	17:02
SM18 4500-S D	11/07/12		11/02/12	14:20	11/2/2012	14:35

Client ID: 4103-II7B	Lab ID: C212911-03RE1	Sampled: 10/31/12 11:45	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	11/14/12		11/06/12	14:37	11/13/2012	19:04

Client ID: 4103-II12	Lab ID: C212911-04	Sampled: 10/31/12 15:20	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C	04/29/13		11/01/12	15:59	11/5/2012	14:46
EPA 6020A	04/29/13		11/01/12	16:01	11/8/2012	13:05
EPA 7470A	11/28/12		11/05/12	12:59	11/6/2012	13:51
EPA 8081B	11/07/12	12/17/12	11/07/12	15:38	11/8/2012	22:33
EPA 8082A	10/31/13	12/17/12	11/07/12	15:42	11/8/2012	22:33
EPA 8151A	11/07/12	12/13/12	11/03/12	11:10	11/7/2012	21:24
EPA 8260B	11/14/12		11/06/12	14:37	11/7/2012	13:55
EPA 8270D	11/07/12	12/17/12	11/07/12	09:24	11/8/2012	18:50
EPA 9014	11/14/12		11/02/12	12:30	11/2/2012	17:04
SM18 4500-S D	11/07/12		11/02/12	14:20	11/2/2012	14:35

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Client ID: 4103-MW13	Lab ID: C212911-05	Sampled: 10/31/12 17:25	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	04/29/13		11/01/12	15:59	11/5/2012 14:49
EPA 6020A	04/29/13		11/01/12	16:01	11/8/2012 13:09
EPA 7470A	11/28/12		11/05/12	12:59	11/6/2012 13:53
EPA 8081B	11/07/12	12/17/12	11/07/12	15:38	11/8/2012 22:46
EPA 8082A	10/31/13	12/17/12	11/07/12	15:42	11/8/2012 22:46
EPA 8151A	11/07/12	12/13/12	11/03/12	11:10	11/7/2012 21:50
EPA 8260B	11/14/12		11/06/12	14:37	11/7/2012 14:25
EPA 8270D	11/07/12	12/17/12	11/07/12	09:24	11/8/2012 19:20
EPA 9014	11/14/12		11/08/12	15:50	11/11/2012 10:57
SM18 4500-S D	11/07/12		11/02/12	14:20	11/2/2012 14:35

Client ID: 4103-TripBlank#1	Lab ID: C212911-06	Sampled: 10/31/12 09:55	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	11/14/12	11/06/12	14:37	11/7/2012 11:26

Client ID: 4103-TripBlank#2	Lab ID: C212911-07	Sampled: 10/31/12 09:55	Received: 11/01/12 12:43

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	11/14/12	11/06/12	14:37	11/7/2012 11:56

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-II1 **Lab ID: C212411-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.6	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.41	J	1	0.19	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	7.7		1	0.19	1.0	1	ug/L	EPA 8260B	
Acetone	3.3	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	422		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.5		1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	3.5		1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	2.85	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.0	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	44.2		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	21.6		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.47	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	18.0	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	3.09	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrahydrofuran	10		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	8.91	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vinyl chloride	1.3		1	0.32	1.0	1	ug/L	EPA 8260B	
Zinc - Total	5.48	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II3 **Lab ID: C212411-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	14		1	0.13	1.0	5	ug/L	EPA 8260B	
Barium - Total	187		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.4		1	0.15	1.0	1	ug/L	EPA 8260B	
Chromium - Total	2.15	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.73	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	14.6		1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.26	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.310		1	0.170	0.200	0.2	ug/L	EPA 7470A	
Nickel - Total	12.4	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	3.95	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	1.90	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II4 **Lab ID: C212411-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.97	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	394		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	15.2		1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	12.0		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	52.2		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	5.95	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	23.3	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	1.98	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	3.58	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	73.3		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	58.3		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II4 **Lab ID: C212411-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes

Client ID: 4103-II4 **Lab ID: C212411-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.13	1.0	5	ug/L	EPA 8260B	
Chlorobenzene	0.68	J	1	0.17	1.0	3	ug/L	EPA 8260B	

Client ID: 4103-II5 **Lab ID: C212411-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.10	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	84.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.13	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.33	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.46	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.11	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	5.32	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	2.36	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II6 **Lab ID: C212411-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.50	J	1	0.19	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.8		1	0.19	1.0	1	ug/L	EPA 8260B	
Acetone	9.8	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Arsenic - Total	8.68	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	394		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.3		1	0.15	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	5.7		1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	3.16	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	35.3		1	1.10	10.0	10	ug/L	EPA 6010C	
Naphthalene	4.6	J	1	0.11	1.0	10	ug/L	EPA 8260B	
Nickel - Total	44.8	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	3.04	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrahydrofuran	23		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	8.90	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	2.99	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Xylenes (Total)	2.6	J	1	0.45	3.0	5	ug/L	EPA 8260B	
Zinc - Total	8.58	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW14 **Lab ID: C212411-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	2.87	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	18.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.23	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.64	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-DuplicateII **Lab ID: C212815-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.55	J	1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.48	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	120		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.1	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	1.42	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	24.4	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrahydrofuran	4.9		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	6.45	J	1	2.10	10.0	100	ug/L	EPA 6010C	

Client ID: 4103-DuplicateII **Lab ID: C212815-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Vanadium - Total	1.82	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	5.02	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II8 **Lab ID: C212815-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.44	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	118		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	1.8	J	1	0.17	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.04	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.25	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	23.4	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrahydrofuran	4.9		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	4.21	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	1.52	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.57	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II2 **Lab ID: C212911-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	11		1	0.13	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.94	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Barium - Total	55.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.74	J	1	0.17	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	23		1	0.15	1.0	5	ug/L	EPA 8260B	
Tetrachloroethene	2.7		1	0.17	1.0	1	ug/L	EPA 8260B	
Tin - Total	4.31	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Trichloroethene	2.9		1	0.15	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.88	J	1	0.24	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	2.30	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	2.2		1	0.32	1.0	1	ug/L	EPA 8260B	

Client ID: 4103-II7 **Lab ID: C212911-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.79	J	1	0.13	1.0	5	ug/L	EPA 8260B	
Antimony - Total	0.716	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	7.97	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	8.92	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.48	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Copper - Total	1.64	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.52	J	1	0.17	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	8.02	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II7B **Lab ID: C212911-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.85	J	1	0.13	1.0	5	ug/L	EPA 8260B	
2-Butanone	11	J	1	1.3	5.0	100	ug/L	EPA 8260B	
Arsenic - Total	4.09	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	94.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.44	J	1	0.15	1.0	5	ug/L	EPA 8260B	
Nickel - Total	2.66	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrachloroethene	0.52	J	1	0.17	1.0	1	ug/L	EPA 8260B	
Tin - Total	4.44	J	1	2.10	10.0	100	ug/L	EPA 6010C	

Client ID: 4103-II7B **Lab ID: C212911-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Tetrahydrofuran	170		1	0.80	1.0	NE	ug/L	EPA 8260B	

Client ID: 4103-II12 **Lab ID: C212911-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
2,4-D	0.16	J	1	0.16	0.50	2	ug/L	EPA 8151A	
Acetone	5.4	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Arsenic - Total	6.04	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	448		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.30	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.85	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.18	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	11.3	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	2.72	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	4.48	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Zinc - Total	4.94	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW13 **Lab ID: C212911-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	104		1	1.00	10.0	100	ug/L	EPA 6010C	
Tin - Total	3.92	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	4.23	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	11.1		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4103-II1 **Lab Sample ID:** C212411-01 **Received:** 10/26/12 11:30

Matrix: Ground Water **Sampled:** 10/26/12 09:30 **Work Order:** C212411

Project: White Street Landfill App IIs **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 00:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.6**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 00:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.41**	J	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**7.7**		ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/03/12 00:53	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 00:53	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 00:53	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 00:53	JKG	
Acetone [67-64-1] ^	**3.3**	J	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 00:53	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/03/12 00:53	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/03/12 00:53	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 00:53	JKG	
Benzene [71-43-2] ^	**1.5**		ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 00:53	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 00:53	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 00:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Chlorobenzene [108-90-7] ^	**3.5**		ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 00:53	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/03/12 00:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**3.0**	J	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 00:53	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/03/12 00:53	JKG	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 00:53	JKG	
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/03/12 00:53	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/03/12 00:53	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/03/12 00:53	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 00:53	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/03/12 00:53	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Tetrahydrofuran [109-99-9] ^	**10**		ug/L	1	0.80	1.0	NE	EPA 8260B	11/03/12 00:53	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 00:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 00:53	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 00:53	JKG	
Vinyl chloride [75-01-4] ^	**1.3**		ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 00:53	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 00:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*107 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/03/12 00:53*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/03/12 00:53*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/03/12 00:53*	*JKG*	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/07/12 23:02	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/07/12 23:02	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/07/12 23:02	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/07/12 23:02	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/07/12 23:02	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:02	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/07/12 23:02	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/07/12 23:02	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/07/12 23:02	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/07/12 23:02	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 23:02	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:02	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/07/12 23:02	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/07/12 23:02	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:02	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/07/12 23:02	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/07/12 23:02	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 23:02	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 23:02	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 23:02	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:02	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:02	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 23:02	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/07/12 23:02	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/07/12 23:02	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/07/12 23:02	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:02	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:02	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 23:02	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 23:02	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:02	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:02	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:02	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:02	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 23:02	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*93*	*1*	*100*	*93 %*	*10-179*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*76 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	
2-Fluorophenol	*54*	*1*	*100*	*54 %*	*10-110*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*70 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	
Terphenyl-d14	*44*	*1*	*50.0*	*87 %*	*10-188*	*2J31030*	*EPA 8270D*	*11/07/12 23:02*	*DFM*	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 16:06	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 16:06	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 16:06	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 16:06	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 16:06	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 16:06	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 16:06	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 16:06	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 16:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.68*	*1*	*1.00*	*68 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 16:06*	*MSZ*	
Decachlorobiphenyl	*0.88*	*1*	*1.00*	*88 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 16:06*	*MSZ*	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 16:06	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 16:06	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 16:06	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 16:06	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 16:06	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 16:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.68*	*1*	*1.00*	*68 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 16:06*	*MSZ*	
Decachlorobiphenyl	*0.88*	*1*	*1.00*	*88 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 16:06*	*MSZ*	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-01
Sampled: 10/26/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:27	T1D	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 13:15	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Barium [7440-39-3] ^	**422**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:24	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:24	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:24	JDH	
Chromium [7440-47-3] ^	**2.85**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Cobalt [7440-48-4] ^	**44.2**		ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Copper [7440-50-8] ^	**21.6**		ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Lead [7439-92-1] ^	**3.47**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Nickel [7440-02-0] ^	**18.0**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:24	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 13:15	VLO	
Silver [7440-22-4] ^	**3.09**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:24	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 13:15	VLO	
Tin [7440-31-5] ^	**8.91**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:24	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:24	JDH	
Zinc [7440-66-6] ^	**5.48**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:24	JDH	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-01
Sampled: 10/26/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:38	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description: 4103-II1 | **Lab Sample ID:** C212411-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 00:59	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 00:59	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 00:59	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 00:59	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 00:59	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*94 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 00:59*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 01:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,1-Dichloroethane [75-34-3] ^	**14**		ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 01:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/03/12 01:22	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 01:22	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 01:22	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 01:22	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 01:22	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/03/12 01:22	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/03/12 01:22	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 01:22	JKG	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 01:22	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 01:22	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 01:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 01:22	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/03/12 01:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.73**	J	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 01:22	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 01:22	JKG	

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/03/12 01:22	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/03/12 01:22	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/03/12 01:22	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 01:22	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/03/12 01:22	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/03/12 01:22	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 01:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 01:22	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 01:22	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 01:22	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 01:22	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*107 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/03/12 01:22*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/03/12 01:22*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/03/12 01:22*	*JKG*	

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/07/12 18:28	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/07/12 18:28	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/07/12 18:28	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/07/12 18:28	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/07/12 18:28	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:28	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/07/12 18:28	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/07/12 18:28	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/07/12 18:28	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/07/12 18:28	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 18:28	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:28	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/07/12 18:28	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/07/12 18:28	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:28	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/07/12 18:28	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/07/12 18:28	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 18:28	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 18:28	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 18:28	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:28	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:28	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 18:28	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/07/12 18:28	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/07/12 18:28	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/07/12 18:28	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:28	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:28	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 18:28	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 18:28	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:28	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:28	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:28	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:28	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 18:28	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*10-179*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*86 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	
2-Fluorophenol	*63*	*1*	*100*	*63 %*	*10-110*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*81 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	
Phenol-d5	*60*	*1*	*100*	*60 %*	*10-88*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	
Terphenyl-d14	*46*	*1*	*50.0*	*92 %*	*10-188*	*2J29012*	*EPA 8270D*	*11/07/12 18:28*	*DFM*	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-02
Sampled: 10/24/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 16:19	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 16:19	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 16:19	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 16:19	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 16:19	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 16:19	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 16:19	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 16:19	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 16:19	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 16:19*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 16:19*	*MSZ*	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-02
Sampled: 10/24/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 16:19	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 16:19	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 16:19	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 16:19	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 16:19	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 16:19	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 16:19*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 16:19*	*MSZ*	

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Description:	4103-II3	**Lab Sample ID:**	C212411-02	**Received:**	10/26/12 11:30
Matrix:	Ground Water	**Sampled:**	10/24/12 17:00	**Work Order:**	C212411
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.310**		ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:34	T1D	

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Description: 4103-II3 | **Lab Sample ID:** C212411-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 12:39	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Barium [7440-39-3] ^	**187**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:27	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:27	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:27	JDH	
Chromium [7440-47-3] ^	**2.15**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Cobalt [7440-48-4] ^	**14.6**		ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Lead [7439-92-1] ^	**4.26**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Nickel [7440-02-0] ^	**12.4**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:27	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 12:39	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:27	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 12:39	VLO	
Tin [7440-31-5] ^	**3.95**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:27	JDH	
Vanadium [7440-62-2] ^	**1.90**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:27	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:27	JDH	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-02
Sampled: 10/24/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:40	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description:	4103-II3	**Lab Sample ID:**	C212411-02	**Received:**	10/26/12 11:30
Matrix:	Ground Water	**Sampled:**	10/24/12 17:00	**Work Order:**	C212411
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 01:25	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 01:25	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 01:25	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 01:25	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 01:25	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.3*	*1*	*2.00*	*115 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 01:25*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/05/12 11:41	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.7**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/05/12 11:41	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/05/12 11:41	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/05/12 11:41	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/05/12 11:41	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/05/12 11:41	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/05/12 11:41	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/05/12 11:41	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/05/12 11:41	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/05/12 11:41	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/05/12 11:41	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/05/12 11:41	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/05/12 11:41	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Chlorobenzene [108-90-7] ^	**0.68**	J	ug/L	1	0.17	1.0	3	EPA 8260B	11/05/12 11:41	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/05/12 11:41	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/05/12 11:41	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/05/12 11:41	JKG	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/05/12 11:41	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/05/12 11:41	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/05/12 11:41	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/05/12 11:41	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/05/12 11:41	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/05/12 11:41	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/05/12 11:41	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/05/12 11:41	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/05/12 11:41	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/05/12 11:41	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/05/12 11:41	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*2K05001*	*EPA 8260B*	*11/05/12 11:41*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*2K05001*	*EPA 8260B*	*11/05/12 11:41*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*67-127*	*2K05001*	*EPA 8260B*	*11/05/12 11:41*	*JKG*	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/07/12 18:59	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/07/12 18:59	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/07/12 18:59	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/07/12 18:59	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/07/12 18:59	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:59	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/07/12 18:59	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/07/12 18:59	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/07/12 18:59	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/07/12 18:59	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 18:59	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:59	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/07/12 18:59	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/07/12 18:59	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 18:59	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/07/12 18:59	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/07/12 18:59	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 18:59	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 18:59	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 18:59	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:59	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:59	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 18:59	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/07/12 18:59	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/07/12 18:59	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/07/12 18:59	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 18:59	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 18:59	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 18:59	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 18:59	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 18:59	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 18:59	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 18:59	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 18:59	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 18:59	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*10-179*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*86 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	
2-Fluorophenol	*60*	*1*	*100*	*60 %*	*10-110*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*80 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	
Phenol-d5	*53*	*1*	*100*	*53 %*	*10-88*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	
Terphenyl-d14	*48*	*1*	*50.0*	*95 %*	*10-188*	*2J29012*	*EPA 8270D*	*11/07/12 18:59*	*DFM*	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 16:32	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 16:32	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 16:32	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 16:32	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 16:32	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 16:32	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 16:32	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 16:32	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 16:32	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 16:32*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 16:32*	*MSZ*	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 16:32	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 16:32	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 16:32	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 16:32	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 16:32	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 16:32	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 16:32*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 16:32*	*MSZ*	

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Description:	4103-II4	**Lab Sample ID:**	C212411-03	**Received:**	10/26/12 11:30
Matrix:	Ground Water	**Sampled:**	10/24/12 14:35	**Work Order:**	C212411
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:38	T1D	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 13:19	VLO	
Arsenic [7440-38-2] ^	**3.97**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Barium [7440-39-3] ^	**394**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:30	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:30	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:30	JDH	
Chromium [7440-47-3] ^	**15.2**		ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Cobalt [7440-48-4] ^	**12.0**		ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Copper [7440-50-8] ^	**52.2**		ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Lead [7439-92-1] ^	**5.95**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Nickel [7440-02-0] ^	**23.3**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:30	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 13:19	VLO	
Silver [7440-22-4] ^	**1.98**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:30	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 13:19	VLO	
Tin [7440-31-5] ^	**3.58**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:30	JDH	
Vanadium [7440-62-2] ^	**73.3**		ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:30	JDH	
Zinc [7440-66-6] ^	**58.3**		ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:30	JDH	

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Description: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-03
Sampled: 10/24/12 14:35
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:42	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description: 4103-II4 | **Lab Sample ID:** C212411-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 14:35 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 01:51	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 01:51	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 01:51	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 01:51	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 01:51	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*96 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 01:51*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 07:44	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 07:44	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/03/12 07:44	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 07:44	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 07:44	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 07:44	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 07:44	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/03/12 07:44	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/03/12 07:44	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 07:44	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 07:44	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 07:44	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 07:44	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 07:44	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/03/12 07:44	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 07:44	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 07:44	JKG	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/03/12 07:44	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/03/12 07:44	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/03/12 07:44	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 07:44	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/03/12 07:44	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/03/12 07:44	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 07:44	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 07:44	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 07:44	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 07:44	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 07:44	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*108 %*	*51-122*	*2K02020*	*EPA 8260B*	*11/03/12 07:44*	*JKG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*90 %*	*68-117*	*2K02020*	*EPA 8260B*	*11/03/12 07:44*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*67-127*	*2K02020*	*EPA 8260B*	*11/03/12 07:44*	*JKG*	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/07/12 19:29	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/07/12 19:29	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/07/12 19:29	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/07/12 19:29	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/07/12 19:29	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 19:29	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/07/12 19:29	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/07/12 19:29	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/07/12 19:29	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/07/12 19:29	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 19:29	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 19:29	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/07/12 19:29	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/07/12 19:29	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 19:29	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/07/12 19:29	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/07/12 19:29	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 19:29	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 19:29	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 19:29	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 19:29	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 19:29	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 19:29	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/07/12 19:29	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/07/12 19:29	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/07/12 19:29	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 19:29	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 19:29	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 19:29	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 19:29	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 19:29	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 19:29	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 19:29	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 19:29	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 19:29	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*10-179*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*86 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	
2-Fluorophenol	*63*	*1*	*100*	*63 %*	*10-110*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	
Nitrobenzene-d5	*41*	*1*	*50.0*	*83 %*	*10-149*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	
Phenol-d5	*50*	*1*	*100*	*50 %*	*10-88*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*100 %*	*10-188*	*2J29012*	*EPA 8270D*	*11/07/12 19:29*	*DFM*	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 16:47	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 16:47	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 16:47	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 16:47	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 16:47	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 16:47	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 16:47	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 16:47	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 16:47	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*104 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 16:47*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*139 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 16:47*	*MSZ*	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 16:47	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 16:47	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 16:47	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 16:47	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 16:47	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 16:47	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*104 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 16:47*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*139 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 16:47*	*MSZ*	

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Description:	4103-II5	**Lab Sample ID:**	C212411-04	**Received:**	10/26/12 11:30
Matrix:	Ground Water	**Sampled:**	10/24/12 12:15	**Work Order:**	C212411
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:40	T1D	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 13:23	VLO	
Arsenic [7440-38-2] ^	**3.10**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Barium [7440-39-3] ^	**84.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:32	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:32	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:32	JDH	
Chromium [7440-47-3] ^	**1.13**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Cobalt [7440-48-4] ^	**1.33**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Copper [7440-50-8] ^	**2.46**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Lead [7439-92-1] ^	**2.11**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:32	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 13:23	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:32	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 13:23	VLO	
Tin [7440-31-5] ^	**5.32**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:32	JDH	
Vanadium [7440-62-2] ^	**2.36**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:32	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:32	JDH	

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Description: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-04
Sampled: 10/24/12 12:15
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:44	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description: 4103-II5 | **Lab Sample ID:** C212411-04 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/24/12 12:15 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 02:17	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 02:17	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 02:17	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 02:17	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 02:17	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*88 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 02:17*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 08:14	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 08:14	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.50**	J	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**4.8**		ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/03/12 08:14	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 08:14	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 08:14	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 08:14	JKG	
Acetone [67-64-1] ^	**9.8**	J	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 08:14	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/03/12 08:14	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/03/12 08:14	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 08:14	JKG	
Benzene [71-43-2] ^	**2.3**		ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 08:14	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 08:14	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 08:14	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Chlorobenzene [108-90-7] ^	**5.7**		ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 08:14	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/03/12 08:14	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 08:14	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 08:14	JKG	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/03/12 08:14	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/03/12 08:14	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/03/12 08:14	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Naphthalene [91-20-3] ^	**4.6**	J	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 08:14	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/03/12 08:14	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Tetrahydrofuran [109-99-9] ^	**23**		ug/L	1	0.80	1.0	NE	EPA 8260B	11/03/12 08:14	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 08:14	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 08:14	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 08:14	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 08:14	JKG	
Xylenes (Total) [1330-20-7] ^	**2.6**	J	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 08:14	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*56*	*1*	*50.0*	*112 %*	*51-122*	*2K02020*	*EPA 8260B*	*11/03/12 08:14*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*2K02020*	*EPA 8260B*	*11/03/12 08:14*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*67-127*	*2K02020*	*EPA 8260B*	*11/03/12 08:14*	*JKG*	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/07/12 23:33	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/07/12 23:33	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/07/12 23:33	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/07/12 23:33	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/07/12 23:33	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:33	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/07/12 23:33	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/07/12 23:33	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/07/12 23:33	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/07/12 23:33	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 23:33	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:33	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/07/12 23:33	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/07/12 23:33	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/07/12 23:33	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/07/12 23:33	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/07/12 23:33	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 23:33	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/07/12 23:33	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 23:33	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:33	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:33	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 23:33	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/07/12 23:33	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/07/12 23:33	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/07/12 23:33	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/07/12 23:33	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/07/12 23:33	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/07/12 23:33	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/07/12 23:33	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/07/12 23:33	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/07/12 23:33	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/07/12 23:33	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/07/12 23:33	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/07/12 23:33	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*10-179*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	
2-Fluorobiphenyl	*37*	*1*	*50.0*	*73 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	
2-Fluorophenol	*51*	*1*	*100*	*51 %*	*10-110*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	
Nitrobenzene-d5	*34*	*1*	*50.0*	*67 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*10-188*	*2J31030*	*EPA 8270D*	*11/07/12 23:33*	*DFM*	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 17:02	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 17:02	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 17:02	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 17:02	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 17:02	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 17:02	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 17:02	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 17:02	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 17:02	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.76*	*1*	*1.00*	*76 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 17:02*	*MSZ*	
Decachlorobiphenyl	*0.69*	*1*	*1.00*	*69 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 17:02*	*MSZ*	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 17:02	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 17:02	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 17:02	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 17:02	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 17:02	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 17:02	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.76*	*1*	*1.00*	*76 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 17:02*	*MSZ*	
Decachlorobiphenyl	*0.69*	*1*	*1.00*	*69 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 17:02*	*MSZ*	

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Description:	4103-II6	**Lab Sample ID:**	C212411-05	**Received:**	10/26/12 11:30
Matrix:	Ground Water	**Sampled:**	10/26/12 11:20	**Work Order:**	C212411
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:42	T1D	

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Description: 4103-II6 | **Lab Sample ID:** C212411-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/26/12 11:20 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 13:27	VLO	
Arsenic [7440-38-2] ^	**8.68**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Barium [7440-39-3] ^	**394**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:37	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:37	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:37	JDH	
Chromium [7440-47-3] ^	**3.16**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Cobalt [7440-48-4] ^	**35.3**		ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Nickel [7440-02-0] ^	**44.8**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:37	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 13:27	VLO	
Silver [7440-22-4] ^	**3.04**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:37	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 13:27	VLO	
Tin [7440-31-5] ^	**8.90**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:37	JDH	
Vanadium [7440-62-2] ^	**2.99**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:37	JDH	
Zinc [7440-66-6] ^	**8.58**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:37	JDH	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-05
Sampled: 10/26/12 11:20
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:47	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-05
Sampled: 10/26/12 11:20
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 02:43	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 02:43	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 02:43	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 02:43	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 02:43	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*119 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 02:43*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 08:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 08:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/03/12 08:43	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 08:43	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 08:43	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 08:43	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 08:43	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/03/12 08:43	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/03/12 08:43	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 08:43	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 08:43	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 08:43	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 08:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 08:43	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/03/12 08:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 08:43	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 08:43	JKG	

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/03/12 08:43	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/03/12 08:43	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/03/12 08:43	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/03/12 08:43	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/03/12 08:43	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/03/12 08:43	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 08:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 08:43	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 08:43	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 08:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 08:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*109 %*	*51-122*	*2K02020*	*EPA 8260B*	*11/03/12 08:43*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*2K02020*	*EPA 8260B*	*11/03/12 08:43*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*67-127*	*2K02020*	*EPA 8260B*	*11/03/12 08:43*	*JKG*	

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/09/12 15:11	DFM	O-05
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/09/12 15:11	DFM	QV-01, O-05
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/09/12 15:11	DFM	O-05
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/09/12 15:11	DFM	O-05
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/09/12 15:11	DFM	O-05
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/09/12 15:11	DFM	QV-02, O-05
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/09/12 15:11	DFM	QV-02, O-05
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/09/12 15:11	DFM	O-05
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/09/12 15:11	DFM	O-05

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*78*	*1*	*100*	*78 %*	*10-179*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*
2-Fluorobiphenyl	*42*	*1*	*50.0*	*84 %*	*10-149*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*
2-Fluorophenol	*55*	*1*	*100*	*55 %*	*10-110*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*
Nitrobenzene-d5	*40*	*1*	*50.0*	*81 %*	*10-149*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*
Phenol-d5	*44*	*1*	*100*	*44 %*	*10-88*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*
Terphenyl-d14	*40*	*1*	*50.0*	*79 %*	*10-188*	*2K08028*	*EPA 8270D*	*11/09/12 15:11*	*DFM*	*O-05*

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 17:16	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 17:16	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 17:16	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 17:16	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 17:16	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 17:16	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 17:16	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 17:16	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 17:16	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 17:16*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*118 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 17:16*	*MSZ*	

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 17:16	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 17:16	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 17:16	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 17:16	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 17:16	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 17:16	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 17:16*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*118 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 17:16*	*MSZ*	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-06
Sampled: 10/25/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 17:44	T1D	

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/07/12 13:31	VLO	
Arsenic [7440-38-2] ^	**2.87**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Barium [7440-39-3] ^	**18.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:53	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:53	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:53	JDH	
Chromium [7440-47-3] ^	**2.23**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Lead [7439-92-1] ^	**2.64**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:53	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/07/12 13:31	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:53	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/07/12 13:31	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	11/01/12 14:53	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:53	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:53	JDH	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212411-06
Sampled: 10/25/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212411

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:49	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	10/29/12 11:33	JOC	

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Description: 4103-MW14 | **Lab Sample ID:** C212411-06 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212411

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/02/12 03:09	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/02/12 03:09	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/02/12 03:09	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/02/12 03:09	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/02/12 03:09	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.6*	*1*	*2.00*	*81 %*	*68-139*	*2J29040*	*EPA 8151A*	*11/02/12 03:09*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-DuplicateII | **Lab Sample ID:** C212815-01 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 08:00 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 04:58	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.55**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 04:58	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.48**	J	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/06/12 04:58	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 04:58	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 04:58	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 04:58	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 04:58	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/06/12 04:58	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/06/12 04:58	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 04:58	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 04:58	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 04:58	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 04:58	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Chlorobenzene [108-90-7] ^	**2.1**	J	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 04:58	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/06/12 04:58	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 04:58	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 04:58	JKG	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/06/12 04:58	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/06/12 04:58	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/06/12 04:58	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/06/12 04:58	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/06/12 04:58	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Tetrahydrofuran [109-99-9] ^	**4.9**		ug/L	1	0.80	1.0	NE	EPA 8260B	11/06/12 04:58	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 04:58	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 04:58	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 04:58	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 04:58	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 04:58	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*51-122*	*2K05026*	*EPA 8260B*	*11/06/12 04:58*	*JKG*	
Dibromofluoromethane	*56*	*1*	*50.0*	*112 %*	*68-117*	*2K05026*	*EPA 8260B*	*11/06/12 04:58*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*67-127*	*2K05026*	*EPA 8260B*	*11/06/12 04:58*	*JKG*	

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Description: 4103-DuplicateII | **Lab Sample ID:** C212815-01 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 08:00 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 13:47	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 13:47	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 13:47	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 13:47	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 13:47	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 13:47	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 13:47	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 13:47	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 13:47	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 13:47	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 13:47	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 13:47	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 13:47	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 13:47	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 13:47	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	

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Description: 4103-DuplicateII | **Lab Sample ID:** C212815-01 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 08:00 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 13:47	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 13:47	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 13:47	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 13:47	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 13:47	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 13:47	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 13:47	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 13:47	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 13:47	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 13:47	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 13:47	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 13:47	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 13:47	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 13:47	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 13:47	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 13:47	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 13:47	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 13:47	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 13:47	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 13:47	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*82*	*1*	*100*	*82 %*	*10-179*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*81 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	
2-Fluorophenol	*59*	*1*	*100*	*59 %*	*10-110*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*77 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	
Phenol-d5	*50*	*1*	*100*	*50 %*	*10-88*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	
Terphenyl-d14	*40*	*1*	*50.0*	*80 %*	*10-188*	*2J31030*	*EPA 8270D*	*11/08/12 13:47*	*DFM*	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 17:46	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 17:46	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 17:46	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 17:46	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 17:46	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 17:46	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 17:46	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 17:46	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 17:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*103 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 17:46*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*140 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 17:46*	*MSZ*	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 17:46	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 17:46	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 17:46	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 17:46	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 17:46	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 17:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*103 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 17:46*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*140 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 17:46*	*MSZ*	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 16:44	T1D	

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Description: 4103-DuplicateII
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Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
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Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:47	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Barium [7440-39-3] ^	**120**		ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:15	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:15	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Cobalt [7440-48-4] ^	**1.42**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Nickel [7440-02-0] ^	**24.4**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:15	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:47	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:15	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:47	VLO	
Tin [7440-31-5] ^	**6.45**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/02/12 14:15	JDH	
Vanadium [7440-62-2] ^	**1.82**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:15	JDH	
Zinc [7440-66-6] ^	**5.02**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:15	JDH	

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Description: 4103-DuplicateII
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Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
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Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:51	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-DuplicateII
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-01
Sampled: 10/26/12 08:00
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/01/12 23:15	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/01/12 23:15	RGG	QL-02
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/01/12 23:15	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/01/12 23:15	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/01/12 23:15	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*118 %*	*68-139*	*2J31001*	*EPA 8151A*	*11/01/12 23:15*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 05:27	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 05:27	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.44**	J	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/06/12 05:27	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 05:27	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 05:27	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 05:27	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 05:27	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/06/12 05:27	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/06/12 05:27	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 05:27	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 05:27	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 05:27	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 05:27	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Chlorobenzene [108-90-7] ^	**1.8**	J	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 05:27	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/06/12 05:27	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 05:27	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 05:27	JKG	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/06/12 05:27	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/06/12 05:27	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/06/12 05:27	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/06/12 05:27	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/06/12 05:27	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Tetrahydrofuran [109-99-9] ^	**4.9**		ug/L	1	0.80	1.0	NE	EPA 8260B	11/06/12 05:27	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 05:27	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 05:27	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 05:27	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 05:27	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 05:27	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*2K05026*	*EPA 8260B*	*11/06/12 05:27*	*JKG*	
Dibromofluoromethane	*55*	*1*	*50.0*	*111 %*	*68-117*	*2K05026*	*EPA 8260B*	*11/06/12 05:27*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*67-127*	*2K05026*	*EPA 8260B*	*11/06/12 05:27*	*JKG*	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 14:17	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 14:17	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 14:17	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 14:17	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 14:17	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 14:17	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 14:17	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 14:17	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 14:17	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 14:17	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 14:17	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 14:17	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 14:17	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 14:17	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 14:17	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 14:17	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 14:17	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 14:17	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 14:17	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 14:17	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 14:17	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 14:17	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 14:17	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 14:17	DFM	
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 14:17	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 14:17	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 14:17	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 14:17	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 14:17	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 14:17	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 14:17	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 14:17	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 14:17	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 14:17	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 14:17	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*83*	*1*	*100*	*83 %*	*10-179*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*71 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	
2-Fluorophenol	*50*	*1*	*100*	*50 %*	*10-110*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*66 %*	*10-149*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*84 %*	*10-188*	*2J31030*	*EPA 8270D*	*11/08/12 14:17*	*DFM*	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/01/12 18:00	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/01/12 18:00	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/01/12 18:00	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/01/12 18:00	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/01/12 18:00	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/01/12 18:00	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/01/12 18:00	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/01/12 18:00	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/01/12 18:00	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*44-134*	*2J30016*	*EPA 8081B*	*11/01/12 18:00*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*143 %*	*37-149*	*2J30016*	*EPA 8081B*	*11/01/12 18:00*	*MSZ*	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-02
Sampled: 10/26/12 14:45
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/01/12 18:00	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/01/12 18:00	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/01/12 18:00	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/01/12 18:00	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/01/12 18:00	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/01/12 18:00	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*45-151*	*2J31008*	*EPA 8082A*	*11/01/12 18:00*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*143 %*	*42-159*	*2J31008*	*EPA 8082A*	*11/01/12 18:00*	*MSZ*	

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Description:	4103-II8	**Lab Sample ID:**	C212815-02	**Received:**	10/29/12 10:30
Matrix:	Ground Water	**Sampled:**	10/26/12 14:45	**Work Order:**	C212815
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/01/12 16:46	T1D	

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Description: 4103-II8 | **Lab Sample ID:** C212815-02 | **Received:** 10/29/12 10:30

Matrix: Ground Water | **Sampled:** 10/26/12 14:45 | **Work Order:** C212815

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:51	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Barium [7440-39-3] ^	**118**		ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:18	JDH	
Chromium [7440-47-3] ^	**1.04**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Cobalt [7440-48-4] ^	**1.25**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Nickel [7440-02-0] ^	**23.4**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:18	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:51	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:51	VLO	
Tin [7440-31-5] ^	**4.21**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/02/12 14:18	JDH	
Vanadium [7440-62-2] ^	**1.52**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:18	JDH	
Zinc [7440-66-6] ^	**4.57**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:18	JDH	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-02
Sampled: 10/26/12 14:45
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:53	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212815-02
Sampled: 10/26/12 14:45
Sampled By: Gary Simcox

Received: 10/29/12 10:30
Work Order: C212815

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/01/12 23:41	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/01/12 23:41	RGG	QL-02
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/01/12 23:41	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/01/12 23:41	RGG	
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/01/12 23:41	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*107 %*	*68-139*	*2J31001*	*EPA 8151A*	*11/01/12 23:41*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 12:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**11**		ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 12:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.94**	J	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 12:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 12:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 12:25	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 12:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 12:25	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 12:25	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 12:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 12:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 12:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 12:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 12:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Chlorobenzene [108-90-7] ^	**0.74**	J	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 12:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 12:25	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 12:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**23**		ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 12:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 12:25	JKG	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 12:25	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 12:25	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 12:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 12:25	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 12:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Tetrachloroethene [127-18-4] ^	**2.7**		ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 12:25	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 12:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 12:25	JKG	
Trichloroethene [79-01-6] ^	**2.9**		ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Trichlorofluoromethane [75-69-4] ^	**0.88**	J	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 12:25	JKG	
Vinyl chloride [75-01-4] ^	**2.2**		ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 12:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 12:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*58*	*1*	*50.0*	*116 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 12:25*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 12:25*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 12:25*	*JKG*	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 17:19	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 17:19	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 17:19	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 17:19	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 17:19	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:19	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 17:19	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 17:19	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 17:19	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 17:19	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 17:19	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:19	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 17:19	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 17:19	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:19	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 17:19	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 17:19	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 17:19	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 17:19	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 17:19	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:19	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:19	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 17:19	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 17:19	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 17:19	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 17:19	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:19	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:19	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 17:19	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 17:19	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:19	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:19	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:19	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:19	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 17:19	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*69*	*1*	*100*	*69 %*	*10-179*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*81 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	
2-Fluorophenol	*45*	*1*	*100*	*45 %*	*10-110*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*72 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	
Phenol-d5	*32*	*1*	*100*	*32 %*	*10-88*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*85 %*	*10-188*	*2K07012*	*EPA 8270D*	*11/08/12 17:19*	*DFM*	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/08/12 21:53	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/08/12 21:53	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/08/12 21:53	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/08/12 21:53	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/08/12 21:53	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/08/12 21:53	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/08/12 21:53	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/08/12 21:53	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/08/12 21:53	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*44-134*	*2K07030*	*EPA 8081B*	*11/08/12 21:53*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*37-149*	*2K07030*	*EPA 8081B*	*11/08/12 21:53*	*MSZ*	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/08/12 21:53	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/08/12 21:53	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/08/12 21:53	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/08/12 21:53	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/08/12 21:53	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/08/12 21:53	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*45-151*	*2K07031*	*EPA 8082A*	*11/08/12 21:53*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*117 %*	*42-159*	*2K07031*	*EPA 8082A*	*11/08/12 21:53*	*MSZ*	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-01
Sampled: 10/31/12 09:55
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/06/12 13:40	T1D	

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Description: 4103-II2 | **Lab Sample ID:** C212911-01 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/08/12 12:57	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Barium [7440-39-3] ^	**55.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/05/12 14:19	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/05/12 14:19	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/05/12 14:19	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/05/12 14:19	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/08/12 12:57	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:19	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/08/12 12:57	VLO	
Tin [7440-31-5] ^	**4.31**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/05/12 14:19	JDH	
Vanadium [7440-62-2] ^	**2.30**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/05/12 14:19	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/05/12 14:19	JDH	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-01
Sampled: 10/31/12 09:55
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:55	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-01
Sampled: 10/31/12 09:55
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/07/12 20:06	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/07/12 20:06	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/07/12 20:06	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/07/12 20:06	RGG	QV-01
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/07/12 20:06	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*11*	*1*	*2.00*	*532 %*	*68-139*	*2K02023*	*EPA 8151A*	*11/07/12 20:06*	*RGG*	*E, QS-03*

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 12:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.79**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 12:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 12:55	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 12:55	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 12:55	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 12:55	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 12:55	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 12:55	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 12:55	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 12:55	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 12:55	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 12:55	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 12:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 12:55	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 12:55	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 12:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.48**	J	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 12:55	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 12:55	JKG	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 12:55	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 12:55	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 12:55	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 12:55	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 12:55	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Tetrachloroethene [127-18-4] ^	**0.52**	J	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 12:55	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 12:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 12:55	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 12:55	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 12:55	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 12:55	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*60*	*1*	*50.0*	*120 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 12:55*	*JKG*	
Dibromofluoromethane	*57*	*1*	*50.0*	*114 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 12:55*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 12:55*	*JKG*	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43
Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911
Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 17:49	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 17:49	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 17:49	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 17:49	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 17:49	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:49	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 17:49	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 17:49	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 17:49	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 17:49	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 17:49	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:49	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 17:49	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 17:49	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 17:49	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 17:49	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 17:49	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 17:49	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 17:49	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 17:49	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:49	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:49	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 17:49	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 17:49	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 17:49	DFM	QV-01
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 17:49	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 17:49	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 17:49	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 17:49	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 17:49	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 17:49	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 17:49	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 17:49	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 17:49	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 17:49	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*81*	*1*	*100*	*81 %*	*10-179*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*81 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	
2-Fluorophenol	*59*	*1*	*100*	*59 %*	*10-110*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*77 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	
Terphenyl-d14	*40*	*1*	*50.0*	*81 %*	*10-188*	*2K07012*	*EPA 8270D*	*11/08/12 17:49*	*DFM*	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/08/12 22:06	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/08/12 22:06	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/08/12 22:06	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/08/12 22:06	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/08/12 22:06	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/08/12 22:06	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/08/12 22:06	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/08/12 22:06	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/08/12 22:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*44-134*	*2K07030*	*EPA 8081B*	*11/08/12 22:06*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*138 %*	*37-149*	*2K07030*	*EPA 8081B*	*11/08/12 22:06*	*MSZ*	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-02
Sampled: 10/31/12 13:30
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/08/12 22:06	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/08/12 22:06	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/08/12 22:06	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/08/12 22:06	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/08/12 22:06	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/08/12 22:06	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*45-151*	*2K07031*	*EPA 8082A*	*11/08/12 22:06*	*MSZ*	
Decachlorobiphenyl	*1.4*	*1*	*1.00*	*138 %*	*42-159*	*2K07031*	*EPA 8082A*	*11/08/12 22:06*	*MSZ*	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-02
Sampled: 10/31/12 13:30
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/06/12 13:42	T1D	

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Description: 4103-II7 | **Lab Sample ID:** C212911-02 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 13:30 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.716**	J	ug/L	1	0.220	2.00	6	EPA 6020A	11/08/12 12:28	VLO	
Arsenic [7440-38-2] ^	**7.97**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Barium [7440-39-3] ^	**8.92**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/05/12 14:35	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/05/12 14:35	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/05/12 14:35	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Copper [7440-50-8] ^	**1.64**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/05/12 14:35	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/08/12 12:28	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:35	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/08/12 12:28	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	11/05/12 14:35	JDH	
Vanadium [7440-62-2] ^	**8.02**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/05/12 14:35	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/05/12 14:35	JDH	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-02
Sampled: 10/31/12 13:30
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 16:57	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-02
Sampled: 10/31/12 13:30
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/07/12 20:32	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/07/12 20:32	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/07/12 20:32	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/07/12 20:32	RGG	QV-01
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/07/12 20:32	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*103 %*	*68-139*	*2K02023*	*EPA 8151A*	*11/07/12 20:32*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II7B | **Lab Sample ID:** C212911-03 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 11:45 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 13:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.85**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 13:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 13:25	JKG	
2-Butanone [78-93-3] ^	**11**	J	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 13:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 13:25	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 13:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 13:25	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 13:25	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 13:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 13:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 13:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 13:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 13:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 13:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 13:25	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 13:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.44**	J	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 13:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 13:25	JKG	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 13:25	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 13:25	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 13:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 13:25	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 13:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Tetrachloroethene [127-18-4] ^	**0.52**	J	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Tetrahydrofuran [109-99-9] ^	**170**		ug/L	1	0.80	1.0	NE	EPA 8260B	11/13/12 19:04	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 13:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 13:25	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 13:25	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 13:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 13:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*57*	*1*	*50.0*	*114 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 13:25*	*JKG*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 13:25*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 13:25*	*JKG*	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 18:20	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 18:20	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 18:20	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 18:20	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 18:20	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:20	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 18:20	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 18:20	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 18:20	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 18:20	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 18:20	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:20	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 18:20	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 18:20	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:20	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	

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Description: 4103-II7B | **Lab Sample ID:** C212911-03 | **Received:** 11/01/12 12:43
Matrix: Ground Water | **Sampled:** 10/31/12 11:45 | **Work Order:** C212911
Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 18:20	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 18:20	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 18:20	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 18:20	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 18:20	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:20	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:20	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 18:20	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 18:20	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 18:20	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 18:20	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	

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Work Order: C212911

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:20	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:20	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 18:20	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 18:20	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:20	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:20	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:20	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:20	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 18:20	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*85*	*1*	*100*	*85 %*	*10-179*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*83 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	
2-Fluorophenol	*62*	*1*	*100*	*62 %*	*10-110*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*10-88*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	
Terphenyl-d14	*44*	*1*	*50.0*	*87 %*	*10-188*	*2K07012*	*EPA 8270D*	*11/08/12 18:20*	*DFM*	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/08/12 22:19	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/08/12 22:19	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/08/12 22:19	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/08/12 22:19	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/08/12 22:19	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/08/12 22:19	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/08/12 22:19	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/08/12 22:19	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/08/12 22:19	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*44-134*	*2K07030*	*EPA 8081B*	*11/08/12 22:19*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*111 %*	*37-149*	*2K07030*	*EPA 8081B*	*11/08/12 22:19*	*MSZ*	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/08/12 22:19	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/08/12 22:19	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/08/12 22:19	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/08/12 22:19	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/08/12 22:19	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/08/12 22:19	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*45-151*	*2K07031*	*EPA 8082A*	*11/08/12 22:19*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*111 %*	*42-159*	*2K07031*	*EPA 8082A*	*11/08/12 22:19*	*MSZ*	

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Description:	4103-II7B	**Lab Sample ID:**	C212911-03	**Received:**	11/01/12 12:43
Matrix:	Ground Water	**Sampled:**	10/31/12 11:45	**Work Order:**	C212911
Project:	White Street Landfill App IIs	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/06/12 12:55	T1D	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/08/12 13:01	VLO	
Arsenic [7440-38-2] ^	**4.09**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Barium [7440-39-3] ^	**94.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/05/12 14:37	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/05/12 14:37	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/05/12 14:37	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Nickel [7440-02-0] ^	**2.66**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/05/12 14:37	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/08/12 13:01	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:37	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/08/12 13:01	VLO	
Tin [7440-31-5] ^	**4.44**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/05/12 14:37	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/05/12 14:37	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/05/12 14:37	JDH	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 17:02	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-03
Sampled: 10/31/12 11:45
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/07/12 20:58	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/07/12 20:58	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/07/12 20:58	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/07/12 20:58	RGG	QV-01
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/07/12 20:58	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.4*	*1*	*2.00*	*118 %*	*68-139*	*2K02023*	*EPA 8151A*	*11/07/12 20:58*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 13:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 13:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 13:55	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 13:55	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 13:55	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 13:55	JKG	
Acetone [67-64-1] ^	**5.4**	J	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 13:55	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 13:55	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 13:55	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 13:55	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 13:55	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 13:55	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 13:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 13:55	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 13:55	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 13:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 13:55	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 13:55	JKG	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 13:55	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 13:55	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 13:55	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 13:55	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 13:55	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 13:55	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 13:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 13:55	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 13:55	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 13:55	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 13:55	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*59*	*1*	*50.0*	*117 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 13:55*	*JKG*	
Dibromofluoromethane	*58*	*1*	*50.0*	*115 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 13:55*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 13:55*	*JKG*	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 18:50	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 18:50	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 18:50	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 18:50	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 18:50	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:50	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 18:50	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 18:50	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 18:50	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 18:50	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 18:50	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:50	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 18:50	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 18:50	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 18:50	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 18:50	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 18:50	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 18:50	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 18:50	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 18:50	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:50	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:50	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 18:50	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 18:50	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 18:50	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 18:50	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 18:50	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 18:50	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 18:50	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 18:50	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 18:50	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 18:50	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 18:50	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 18:50	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 18:50	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*78*	*1*	*100*	*78 %*	*10-179*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	
2-Fluorobiphenyl	*39*	*1*	*50.0*	*77 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	
2-Fluorophenol	*57*	*1*	*100*	*57 %*	*10-110*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	
Nitrobenzene-d5	*37*	*1*	*50.0*	*74 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	
Terphenyl-d14	*40*	*1*	*50.0*	*80 %*	*10-188*	*2K07012*	*EPA 8270D*	*11/08/12 18:50*	*DFM*	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/08/12 22:33	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/08/12 22:33	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/08/12 22:33	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/08/12 22:33	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/08/12 22:33	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/08/12 22:33	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/08/12 22:33	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/08/12 22:33	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/08/12 22:33	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*44-134*	*2K07030*	*EPA 8081B*	*11/08/12 22:33*	*MSZ*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*127 %*	*37-149*	*2K07030*	*EPA 8081B*	*11/08/12 22:33*	*MSZ*	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/08/12 22:33	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/08/12 22:33	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/08/12 22:33	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/08/12 22:33	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/08/12 22:33	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/08/12 22:33	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*45-151*	*2K07031*	*EPA 8082A*	*11/08/12 22:33*	*MSZ*	
Decachlorobiphenyl	*1.3*	*1*	*1.00*	*127 %*	*42-159*	*2K07031*	*EPA 8082A*	*11/08/12 22:33*	*MSZ*	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-04
Sampled: 10/31/12 15:20
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/06/12 13:51	T1D	

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Description: 4103-II12 | **Lab Sample ID:** C212911-04 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 15:20 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/08/12 13:05	VLO	
Arsenic [7440-38-2] ^	**6.04**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Barium [7440-39-3] ^	**448**		ug/L	1	1.00	10.0	100	EPA 6010C	11/05/12 14:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/05/12 14:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/05/12 14:46	JDH	
Chromium [7440-47-3] ^	**1.30**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Cobalt [7440-48-4] ^	**1.85**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Lead [7439-92-1] ^	**3.18**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Nickel [7440-02-0] ^	**11.3**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/05/12 14:46	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/08/12 13:05	VLO	
Silver [7440-22-4] ^	**2.72**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/08/12 13:05	VLO	
Tin [7440-31-5] ^	**4.48**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/05/12 14:46	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/05/12 14:46	JDH	
Zinc [7440-66-6] ^	**4.94**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/05/12 14:46	JDH	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-04
Sampled: 10/31/12 15:20
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/02/12 17:04	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-04
Sampled: 10/31/12 15:20
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/07/12 21:24	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/07/12 21:24	RGG	
2,4-D [94-75-7] ^	**0.16**	J	ug/L	1	0.16	0.50	2	EPA 8151A	11/07/12 21:24	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/07/12 21:24	RGG	QV-01
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/07/12 21:24	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.7*	*1*	*2.00*	*134 %*	*68-139*	*2K02023*	*EPA 8151A*	*11/07/12 21:24*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 14:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 14:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 14:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 14:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 14:25	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 14:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 14:25	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 14:25	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 14:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 14:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 14:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 14:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 14:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 14:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 14:25	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 14:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 14:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 14:25	JKG	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 14:25	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 14:25	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 14:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 14:25	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 14:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 14:25	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 14:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 14:25	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 14:25	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 14:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 14:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*59*	*1*	*50.0*	*118 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 14:25*	*JKG*	
Dibromofluoromethane	*56*	*1*	*50.0*	*111 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 14:25*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 14:25*	*JKG*	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	11/08/12 19:20	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	11/08/12 19:20	DFM	
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	11/08/12 19:20	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	11/08/12 19:20	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	11/08/12 19:20	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 19:20	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	11/08/12 19:20	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	11/08/12 19:20	DFM	
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	11/08/12 19:20	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	11/08/12 19:20	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 19:20	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 19:20	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	11/08/12 19:20	DFM	
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	11/08/12 19:20	DFM	
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	11/08/12 19:20	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	11/08/12 19:20	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	11/08/12 19:20	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 19:20	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	11/08/12 19:20	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 19:20	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 19:20	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 19:20	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 19:20	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	11/08/12 19:20	DFM	QV-02
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	11/08/12 19:20	DFM	QV-02
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	11/08/12 19:20	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	11/08/12 19:20	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	11/08/12 19:20	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	11/08/12 19:20	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	11/08/12 19:20	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	11/08/12 19:20	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	11/08/12 19:20	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	11/08/12 19:20	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	11/08/12 19:20	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	11/08/12 19:20	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*76*	*1*	*100*	*76 %*	*10-179*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	
2-Fluorobiphenyl	*39*	*1*	*50.0*	*78 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*10-149*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	
Phenol-d5	*50*	*1*	*100*	*50 %*	*10-88*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	
Terphenyl-d14	*41*	*1*	*50.0*	*82 %*	*10-188*	*2K07012*	*EPA 8270D*	*11/08/12 19:20*	*DFM*	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
Aldrin [309-00-2] ^	0.041	U	ug/L	1	0.041	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
alpha-BHC [319-84-6] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
beta-BHC [319-85-7] ^	0.036	U	ug/L	1	0.036	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	11/08/12 22:46	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	11/08/12 22:46	MSZ	
Chlordane-gamma [5566-34-7] ^	0.042	U	ug/L	1	0.042	0.050	NE	EPA 8081B	11/08/12 22:46	MSZ	
delta-BHC [319-86-8] ^	0.048	U	ug/L	1	0.048	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
Dieldrin [60-57-1] ^	0.045	U	ug/L	1	0.045	0.050	0.075	EPA 8081B	11/08/12 22:46	MSZ	
Endosulfan I [959-98-8] ^	0.045	U	ug/L	1	0.045	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
Endosulfan II [33213-65-9] ^	0.036	U	ug/L	1	0.036	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.032	U	ug/L	1	0.032	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
Endrin [72-20-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
Endrin aldehyde [7421-93-4] ^	0.042	U	ug/L	1	0.042	0.050	0.1	EPA 8081B	11/08/12 22:46	MSZ	
gamma-BHC [58-89-9] ^	0.034	U	ug/L	1	0.034	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
Heptachlor [76-44-8] ^	0.030	U	ug/L	1	0.030	0.050	0.05	EPA 8081B	11/08/12 22:46	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.037	U	ug/L	1	0.037	0.050	0.075	EPA 8081B	11/08/12 22:46	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	11/08/12 22:46	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	11/08/12 22:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*101 %*	*44-134*	*2K07030*	*EPA 8081B*	*11/08/12 22:46*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*37-149*	*2K07030*	*EPA 8081B*	*11/08/12 22:46*	*MSZ*	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-05
Sampled: 10/31/12 17:25
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	11/08/12 22:46	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	11/08/12 22:46	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	11/08/12 22:46	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	11/08/12 22:46	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	11/08/12 22:46	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	11/08/12 22:46	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*101 %*	*45-151*	*2K07031*	*EPA 8082A*	*11/08/12 22:46*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*42-159*	*2K07031*	*EPA 8082A*	*11/08/12 22:46*	*MSZ*	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-05
Sampled: 10/31/12 17:25
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	11/06/12 13:53	T1D	

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Description: 4103-MW13 | **Lab Sample ID:** C212911-05 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 17:25 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/08/12 13:09	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Barium [7440-39-3] ^	**104**		ug/L	1	1.00	10.0	100	EPA 6010C	11/05/12 14:49	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/05/12 14:49	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/05/12 14:49	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/05/12 14:49	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/08/12 13:09	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/05/12 14:49	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/08/12 13:09	VLO	
Tin [7440-31-5] ^	**3.92**	J	ug/L	1	2.10	10.0	100	EPA 6010C	11/05/12 14:49	JDH	
Vanadium [7440-62-2] ^	**4.23**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/05/12 14:49	JDH	
Zinc [7440-66-6] ^	**11.1**		ug/L	1	3.80	10.0	10	EPA 6010C	11/05/12 14:49	JDH	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-05
Sampled: 10/31/12 17:25
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0049	U	mg/L	1	0.0049	0.010	10	EPA 9014	11/11/12 10:57	JCS	
Sulfide [18496-25-8] ^	0.010	U	mg/L	1	0.010	0.10	1000	SM18 4500-S D	11/02/12 14:35	JOC	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App IIs

Lab Sample ID: C212911-05
Sampled: 10/31/12 17:25
Sampled By: Gary Simcox

Received: 11/01/12 12:43
Work Order: C212911

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.23	U	ug/L	1	0.23	0.50	2	EPA 8151A	11/07/12 21:50	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.20	U	ug/L	1	0.20	0.50	2	EPA 8151A	11/07/12 21:50	RGG	
2,4-D [94-75-7] ^	0.16	U	ug/L	1	0.16	0.50	2	EPA 8151A	11/07/12 21:50	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50	1	EPA 8151A	11/07/12 21:50	RGG	QV-01
Pentachlorophenol [87-86-5] ^	0.19	U	ug/L	1	0.19	0.50	25	EPA 8151A	11/07/12 21:50	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*95 %*	*68-139*	*2K02023*	*EPA 8151A*	*11/07/12 21:50*	*RGG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-TripBlank#1 | **Lab Sample ID:** C212911-06 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 11:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 11:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 11:26	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 11:26	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 11:26	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 11:26	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 11:26	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 11:26	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 11:26	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 11:26	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 11:26	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 11:26	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 11:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 11:26	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 11:26	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 11:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 11:26	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 11:26	JKG	

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Description: 4103-TripBlank#1 | **Lab Sample ID:** C212911-06 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 11:26	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 11:26	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 11:26	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 11:26	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 11:26	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 11:26	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 11:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 11:26	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 11:26	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 11:26	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 11:26	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*58*	*1*	*50.0*	*116 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 11:26*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 11:26*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 11:26*	*JKG*	

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Description: 4103-TripBlank#2 | **Lab Sample ID:** C212911-07 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 11:56	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,1-Dichloropropene [563-58-6] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 11:56	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
1,3-Dichloropropane [142-28-9] ^	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
2,2-Dichloropropane [594-20-7] ^	0.28	U	ug/L	1	0.28	1.0	15	EPA 8260B	11/07/12 11:56	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 11:56	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 11:56	JKG	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 11:56	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 11:56	JKG	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	11/07/12 11:56	JKG	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	11/07/12 11:56	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 11:56	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 11:56	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 11:56	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 11:56	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 11:56	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 11:56	JKG	QV-01
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	11/07/12 11:56	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 11:56	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 11:56	JKG	

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Description: 4103-TripBlank#2 | **Lab Sample ID:** C212911-07 | **Received:** 11/01/12 12:43

Matrix: Ground Water | **Sampled:** 10/31/12 09:55 | **Work Order:** C212911

Project: White Street Landfill App IIs | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	11/07/12 11:56	JKG	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	11/07/12 11:56	JKG	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	11/07/12 11:56	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Naphthalene [91-20-3] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	11/07/12 11:56	JKG	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	11/07/12 11:56	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	11/07/12 11:56	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 11:56	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 11:56	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 11:56	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 11:56	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 11:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*58*	*1*	*50.0*	*115 %*	*51-122*	*2K06024*	*EPA 8260B*	*11/07/12 11:56*	*JKG*	
Dibromofluoromethane	*55*	*1*	*50.0*	*110 %*	*68-117*	*2K06024*	*EPA 8260B*	*11/07/12 11:56*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*67-127*	*2K06024*	*EPA 8260B*	*11/07/12 11:56*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02019 - EPA 5030B_MS

Blank (2K02019-BLK1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02019 - EPA 5030B_MS

Blank (2K02019-BLK1) Continued Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.23	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*99*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*67-127*			

LCS (2K02019-BS1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 16:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	20		1.0	ug/L	20.0		99	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		90	71-118			
Trichloroethene	20		1.0	ug/L	20.0		98	74-119			

Matrix Spike (2K02019-MS1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 16:32

Source: C212891-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119			

Matrix Spike Dup (2K02019-MSD1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 17:02

Source: C212891-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	108	75-133	2	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	1	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118	0.8	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119	0.4	22	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02019 - EPA 5030B_MS

Batch 2K02020 - EPA 5030B_MS

Blank (2K02020-BLK1) Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 04:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02020 - EPA 5030B_MS

Blank (2K02020-BLK1) Continued Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 04:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*67-127*			

LCS (2K02020-BS1) Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 04:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	75-133			
Benzene	20		1.0	ug/L	20.0		99	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	18		1.0	ug/L	20.0		92	71-118			
Trichloroethene	19		1.0	ug/L	20.0		96	74-119			

Matrix Spike (2K02020-MS1) Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 05:18

Source: C212891-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	109	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	99	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118			
Trichloroethene	27		1.0	ug/L	20.0	0.15 U	137	74-119			QM-07

Matrix Spike Dup (2K02020-MSD1) Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 05:47

Source: C212891-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	112	75-133	2	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134	6	17	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02020 - EPA 5030B_MS

Matrix Spike Dup (2K02020-MSD1) Continued Prepared: 11/02/2012 12:10 Analyzed: 11/03/2012 05:47

Source: C212891-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	107	83-117	8	16	
Toluene	20		1.0	ug/L	20.0	0.14 U	101	71-118	8	17	
Trichloroethene	29		1.0	ug/L	20.0	0.15 U	146	74-119	6	22	QM-07

Batch 2K05001 - EPA 5030B_MS

Blank (2K05001-BLK1) Prepared: 11/05/2012 07:03 Analyzed: 11/05/2012 09:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05001 - EPA 5030B_MS

Blank (2K05001-BLK1) Continued Prepared: 11/05/2012 07:03 Analyzed: 11/05/2012 09:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*67-127*			

LCS (2K05001-BS1) Prepared: 11/05/2012 07:03 Analyzed: 11/05/2012 09:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			

Matrix Spike (2K05001-MS1) Prepared: 11/05/2012 07:03 Analyzed: 11/05/2012 10:11

Source: C212891-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	106	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	102	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	20		1.0	ug/L	20.0	0.14 U	99	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	101	74-119			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05001 - EPA 5030B_MS

Matrix Spike Dup (2K05001-MSD1) Prepared: 11/05/2012 07:03 Analyzed: 11/05/2012 10:41

Source: C212891-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	109	75-133	3	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134	3	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	104	83-117	4	16	
Toluene	20		1.0	ug/L	20.0	0.14 U	102	71-118	2	17	
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	109	74-119	7	22	

Batch 2K05026 - EPA 5030B_MS

Blank (2K05026-BLK1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 01:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05026 - EPA 5030B_MS

Blank (2K05026-BLK1) Continued Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 01:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*101*	*67-127*			

LCS (2K05026-BS1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
Benzene	18		1.0	ug/L	20.0		92	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		88	71-118			
Trichloroethene	21		1.0	ug/L	20.0		105	74-119			

Matrix Spike (2K05026-MS1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:31

Source: C212891-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	99	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05026 - EPA 5030B_MS

Matrix Spike (2K05026-MS1) Continued Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:31

Source: C212891-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	101	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	110	74-119			

Matrix Spike Dup (2K05026-MSD1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 03:01

Source: C212891-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	96	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	83-117	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	91	71-118	3	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	103	74-119	6	22	

Batch 2K06024 - EPA 5030B_MS

Blank (2K06024-BLK1) Prepared: 11/06/2012 14:37 Analyzed: 11/07/2012 04:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,1-Dichloropropene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.14	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,3-Dichlorobenzene	0.15	U	1.0	ug/L							
1,3-Dichloropropane	0.16	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2,2-Dichloropropane	0.28	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06024 - EPA 5030B_MS

Blank (2K06024-BLK1) Continued Prepared: 11/06/2012 14:37 Analyzed: 11/07/2012 04:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							QV-01
Chloromethane	0.13	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Dichlorodifluoromethane	0.20	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Naphthalene	0.11	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*110*	*51-122*			
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*100*	*67-127*			

LCS (2K06024-BS1) Prepared: 11/06/2012 14:37 Analyzed: 11/07/2012 05:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
Benzene	17		1.0	ug/L	20.0		87	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	17		1.0	ug/L	20.0		85	71-118			
Trichloroethene	20		1.0	ug/L	20.0		100	74-119			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06024 - EPA 5030B_MS

Matrix Spike (2K06024-MS1) Prepared: 11/06/2012 14:37 Analyzed: 11/07/2012 05:33

Source: C212959-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	111	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	90	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	17		1.0	ug/L	20.0	0.14 U	87	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	103	74-119			

Matrix Spike Dup (2K06024-MSD1) Prepared: 11/06/2012 14:37 Analyzed: 11/07/2012 06:02

Source: C212959-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-133	1	20	
Benzene	18		1.0	ug/L	20.0	0.15 U	91	81-134	1	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	2	16	
Toluene	17		1.0	ug/L	20.0	0.14 U	87	71-118	0.6	17	
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	108	74-119	4	22	

Batch 2K13003 - EPA 5030B_MS

Blank (2K13003-BLK1) Prepared: 11/13/2012 08:04 Analyzed: 11/13/2012 09:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tetrahydrofuran	0.80	U	1.0	ug/L							

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J29012 - EPA 3510C_MS

Blank (2J29012-BLK1) Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 15:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J29012 - EPA 3510C_MS

Blank (2J29012-BLK1) Continued Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 15:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J29012 - EPA 3510C_MS

Blank (2J29012-BLK1) Continued Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 15:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							QV-02
Methapyrilene	3.5	U	10	ug/L							QV-02
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*80*			*ug/L*	*100*		*80*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: 2-Fluorophenol	*63*			*ug/L*	*100*		*63*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: Phenol-d5	*55*			*ug/L*	*100*		*55*	*10-88*			
Surrogate: Terphenyl-d14	*46*			*ug/L*	*50.0*		*92*	*10-188*			

LCS (2J29012-BS1) Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 15:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J29012 - EPA 3510C_MS

LCS (2J29012-BS1) Continued Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 15:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0		75	40-109			
4-Chloro-3-methylphenol	41		10	ug/L	50.0		83	58-121			
4-Nitrophenol	27		10	ug/L	50.0		55	33-105			
Acenaphthene	41		10	ug/L	50.0		82	39-125			
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0		78	48-126			
Phenol	22		10	ug/L	50.0		44	19-78			
Pyrene	42		10	ug/L	50.0		84	44-137			
Surrogate: 2,4,6-Tribromophenol	*85*			*ug/L*	*100*		*85*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*84*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*10-88*			
Surrogate: Terphenyl-d14	*43*			*ug/L*	*50.0*		*86*	*10-188*			

Matrix Spike (2J29012-MS1) Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 16:25

Source: C212319-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	39		10	ug/L	50.0	1.2 U	77	40-109			
4-Chloro-3-methylphenol	43		10	ug/L	50.0	1.5 U	87	58-121			
4-Nitrophenol	33		10	ug/L	50.0	2.0 U	65	33-105			
Acenaphthene	43		10	ug/L	50.0	1.4 U	86	39-125			
N-Nitroso-di-n-propylamine	41		10	ug/L	50.0	1.5 U	81	48-126			
Phenol	23		10	ug/L	50.0	1.4 U	47	19-78			
Pyrene	41		10	ug/L	50.0	2.1 U	81	44-137			
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100*		*88*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*79*	*10-149*			
Surrogate: 2-Fluorophenol	*55*			*ug/L*	*100*		*55*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*10-188*			

Matrix Spike Dup (2J29012-MSD1) Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 16:57

Source: C212319-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	39		10	ug/L	50.0	1.2 U	79	40-109	1	22	
4-Chloro-3-methylphenol	44		10	ug/L	50.0	1.5 U	88	58-121	1	22	
4-Nitrophenol	32		10	ug/L	50.0	2.0 U	64	33-105	2	27	
Acenaphthene	44		10	ug/L	50.0	1.4 U	88	39-125	2	25	
N-Nitroso-di-n-propylamine	41		10	ug/L	50.0	1.5 U	81	48-126	0.3	23	
Phenol	23		10	ug/L	50.0	1.4 U	46	19-78	1	18	
Pyrene	42		10	ug/L	50.0	2.1 U	84	44-137	3	24	
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*84*	*10-149*			
Surrogate: 2-Fluorophenol	*57*			*ug/L*	*100*		*57*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*79*	*10-149*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J29012 - EPA 3510C_MS

Matrix Spike Dup (2J29012-MSD1) Continued Prepared: 10/29/2012 10:07 Analyzed: 11/07/2012 16:57

Source: C212319-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Phenol-d5	*44*			*ug/L*	*100*		*44*	*10-88*			
Surrogate: Terphenyl-d14	*43*			*ug/L*	*50.0*		*86*	*10-188*			

Batch 2J31030 - EPA 3510C_MS

Blank (2J31030-BLK1) Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 19:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J31030 - EPA 3510C_MS

Blank (2J31030-BLK1) Continued Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 19:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							QV-02
Methapyrilene	3.5	U	10	ug/L							QV-02
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J31030 - EPA 3510C_MS

Blank (2J31030-BLK1) Continued Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 19:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*75*			*ug/L*	*100*		*75*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: 2-Fluorophenol	*53*			*ug/L*	*100*		*53*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-88*			
Surrogate: Terphenyl-d14	*45*			*ug/L*	*50.0*		*91*	*10-188*			

LCS (2J31030-BS1) Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 20:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	35		10	ug/L	50.0		69	40-109			
4-Chloro-3-methylphenol	36		10	ug/L	50.0		73	58-121			
4-Nitrophenol	23		10	ug/L	50.0		45	33-105			
Acenaphthene	38		10	ug/L	50.0		76	39-125			
N-Nitroso-di-n-propylamine	36		10	ug/L	50.0		71	48-126			
Phenol	22		10	ug/L	50.0		43	19-78			
Pyrene	40		10	ug/L	50.0		80	44-137			
Surrogate: 2,4,6-Tribromophenol	*71*			*ug/L*	*100*		*71*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: 2-Fluorophenol	*53*			*ug/L*	*100*		*53*	*10-110*			
Surrogate: Nitrobenzene-d5	*35*			*ug/L*	*50.0*		*71*	*10-149*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-88*			
Surrogate: Terphenyl-d14	*39*			*ug/L*	*50.0*		*78*	*10-188*			

Matrix Spike (2J31030-MS1) Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 21:01

Source: C212735-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	35		10	ug/L	50.0	1.2 U	71	40-109			
4-Chloro-3-methylphenol	40		10	ug/L	50.0	1.5 U	80	58-121			
4-Nitrophenol	31		10	ug/L	50.0	2.0 U	62	33-105			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2J31030 - EPA 3510C_MS

Matrix Spike (2J31030-MS1) Continued Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 21:01

Source: C212735-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acenaphthene	39		10	ug/L	50.0	1.4 U	78	39-125			
N-Nitroso-di-n-propylamine	36		10	ug/L	50.0	1.5 U	73	48-126			
Phenol	24		10	ug/L	50.0	1.4 U	48	19-78			
Pyrene	40		10	ug/L	50.0	2.1 U	80	44-137			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*79*	*10-149*			
Surrogate: 2-Fluorophenol	*56*			*ug/L*	*100*		*56*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*75*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*10-188*			

Matrix Spike Dup (2J31030-MSD1) Prepared: 10/31/2012 18:20 Analyzed: 11/07/2012 21:31

Source: C212735-12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	35		10	ug/L	50.0	1.2 U	69	40-109	2	22	
4-Chloro-3-methylphenol	39		10	ug/L	50.0	1.5 U	77	58-121	4	22	
4-Nitrophenol	31		10	ug/L	50.0	2.0 U	62	33-105	0.1	27	
Acenaphthene	38		10	ug/L	50.0	1.4 U	76	39-125	4	25	
N-Nitroso-di-n-propylamine	36		10	ug/L	50.0	1.5 U	72	48-126	1	23	
Phenol	24		10	ug/L	50.0	1.4 U	47	19-78	3	18	
Pyrene	40		10	ug/L	50.0	2.1 U	80	44-137	0.05	24	
Surrogate: 2,4,6-Tribromophenol	*77*			*ug/L*	*100*		*77*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*72*	*10-149*			
Surrogate: 2-Fluorophenol	*53*			*ug/L*	*100*		*53*	*10-110*			
Surrogate: Nitrobenzene-d5	*35*			*ug/L*	*50.0*		*70*	*10-149*			
Surrogate: Phenol-d5	*44*			*ug/L*	*100*		*44*	*10-88*			
Surrogate: Terphenyl-d14	*39*			*ug/L*	*50.0*		*77*	*10-188*			

Batch 2K07012 - EPA 3510C_MS

Blank (2K07012-BLK1) Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 14:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K07012 - EPA 3510C_MS

Blank (2K07012-BLK1) Continued Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 14:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K07012 - EPA 3510C_MS

Blank (2K07012-BLK1) Continued Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 14:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							QV-02
Methapyrilene	3.5	U	10	ug/L							QV-02
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*76*			*ug/L*	*100*		*76*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: Phenol-d5	*45*			*ug/L*	*100*		*45*	*10-88*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K07012 - EPA 3510C_MS

Blank (2K07012-BLK1) Continued Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 14:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*83*	*10-188*			

LCS (2K07012-BS1) Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 15:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0		77	40-109			
4-Chloro-3-methylphenol	40		10	ug/L	50.0		81	58-121			
4-Nitrophenol	25		10	ug/L	50.0		51	33-105			
Acenaphthene	42		10	ug/L	50.0		84	39-125			
N-Nitroso-di-n-propylamine	38		10	ug/L	50.0		76	48-126			
Phenol	23		10	ug/L	50.0		46	19-78			
Pyrene	40		10	ug/L	50.0		80	44-137			
Surrogate: 2,4,6-Tribromophenol	*82*			*ug/L*	*100*		*82*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*84*	*10-149*			
Surrogate: 2-Fluorophenol	*59*			*ug/L*	*100*		*59*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: Phenol-d5	*45*			*ug/L*	*100*		*45*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*10-188*			

Matrix Spike (2K07012-MS1) Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 15:48

Source: C212959-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0	1.2 U	73	40-109			
4-Chloro-3-methylphenol	36		10	ug/L	50.0	1.5 U	72	58-121			
4-Nitrophenol	24		10	ug/L	50.0	2.0 U	47	33-105			
Acenaphthene	39		10	ug/L	50.0	1.4 U	77	39-125			
N-Nitroso-di-n-propylamine	36		10	ug/L	50.0	1.5 U	71	48-126			
Phenol	22		10	ug/L	50.0	1.4 U	45	19-78			
Pyrene	41		10	ug/L	50.0	2.1 U	82	44-137			
Surrogate: 2,4,6-Tribromophenol	*71*			*ug/L*	*100*		*71*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: 2-Fluorophenol	*55*			*ug/L*	*100*		*55*	*10-110*			
Surrogate: Nitrobenzene-d5	*36*			*ug/L*	*50.0*		*72*	*10-149*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*81*	*10-188*			

Matrix Spike Dup (2K07012-MSD1) Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 16:18

Source: C212959-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0	1.2 U	79	40-109	8	22	
4-Chloro-3-methylphenol	42		10	ug/L	50.0	1.5 U	84	58-121	15	22	
4-Nitrophenol	28		10	ug/L	50.0	2.0 U	56	33-105	18	27	
Acenaphthene	42		10	ug/L	50.0	1.4 U	83	39-125	8	25	
N-Nitroso-di-n-propylamine	38		10	ug/L	50.0	1.5 U	77	48-126	7	23	
Phenol	28		10	ug/L	50.0	1.4 U	55	19-78	21	18	QM-11

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K07012 - EPA 3510C_MS

Matrix Spike Dup (2K07012-MSD1) Continued Prepared: 11/07/2012 09:24 Analyzed: 11/08/2012 16:18

Source: C212959-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Pyrene	43		10	ug/L	50.0	2.1 U	85	44-137	4	24	
Surrogate: 2,4,6-Tribromophenol	*83*			*ug/L*	*100*		*83*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: 2-Fluorophenol	*62*			*ug/L*	*100*		*62*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*10-88*			
Surrogate: Terphenyl-d14	*41*			*ug/L*	*50.0*		*82*	*10-188*			

Batch 2K08028 - EPA 3510C_MS

Blank (2K08028-BLK1) Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							QV-01
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K08028 - EPA 3510C_MS

Blank (2K08028-BLK1) Continued Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							QV-02
Methapyrilene	3.5	U	10	ug/L							QV-02
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K08028 - EPA 3510C_MS

Blank (2K08028-BLK1) Continued Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*75*			*ug/L*	*100*		*75*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: Phenol-d5	*41*			*ug/L*	*100*		*41*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*10-188*			

LCS (2K08028-BS1) Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 13:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	39		10	ug/L	50.0		77	40-109			
4-Chloro-3-methylphenol	42		10	ug/L	50.0		84	58-121			
4-Nitrophenol	31		10	ug/L	50.0		63	33-105			
Acenaphthene	44		10	ug/L	50.0		87	39-125			
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0		77	48-126			
Phenol	26		10	ug/L	50.0		52	19-78			
Pyrene	44		10	ug/L	50.0		89	44-137			
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*43*			*ug/L*	*50.0*		*87*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: Phenol-d5	*46*			*ug/L*	*100*		*46*	*10-88*			
Surrogate: Terphenyl-d14	*45*			*ug/L*	*50.0*		*90*	*10-188*			

Matrix Spike (2K08028-MS1) Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 13:40

Source: C213129-10

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 2K08028 - EPA 3510C_MS

Matrix Spike (2K08028-MS1) Continued Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 13:40

Source: C213129-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	39		10	ug/L	50.0	1.2 U	77	40-109			
4-Chloro-3-methylphenol	43		10	ug/L	50.0	1.5 U	85	58-121			
4-Nitrophenol	31		10	ug/L	50.0	2.0 U	62	33-105			
Acenaphthene	44		10	ug/L	50.0	1.4 U	88	39-125			
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0	1.5 U	79	48-126			
Phenol	26		10	ug/L	50.0	1.4 U	52	19-78			
Pyrene	47		10	ug/L	50.0	2.1 U	95	44-137			
Surrogate: 2,4,6-Tribromophenol	*89*			*ug/L*	*100*		*89*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*85*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: Phenol-d5	*46*			*ug/L*	*100*		*46*	*10-88*			
Surrogate: Terphenyl-d14	*47*			*ug/L*	*50.0*		*94*	*10-188*			

Matrix Spike Dup (2K08028-MSD1) Prepared: 11/08/2012 16:09 Analyzed: 11/09/2012 14:10

Source: C213129-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0	1.2 U	80	40-109	3	22	
4-Chloro-3-methylphenol	44		10	ug/L	50.0	1.5 U	88	58-121	4	22	
4-Nitrophenol	30		10	ug/L	50.0	2.0 U	61	33-105	2	27	
Acenaphthene	44		10	ug/L	50.0	1.4 U	88	39-125	0.2	25	
N-Nitroso-di-n-propylamine	40		10	ug/L	50.0	1.5 U	80	48-126	2	23	
Phenol	24		10	ug/L	50.0	1.4 U	47	19-78	9	18	
Pyrene	46		10	ug/L	50.0	2.1 U	91	44-137	4	24	
Surrogate: 2,4,6-Tribromophenol	*89*			*ug/L*	*100*		*89*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*43*			*ug/L*	*50.0*		*86*	*10-149*			
Surrogate: 2-Fluorophenol	*57*			*ug/L*	*100*		*57*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: Phenol-d5	*45*			*ug/L*	*100*		*45*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*88*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 2J30016 - EPA 3510C

Blank (2J30016-BLK1) Prepared: 10/30/2012 11:19 Analyzed: 11/01/2012 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.041	U	0.050	ug/L							
alpha-BHC	0.036	U	0.050	ug/L							
beta-BHC	0.036	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 2J30016 - EPA 3510C

Blank (2J30016-BLK1) Continued Prepared: 10/30/2012 11:19 Analyzed: 11/01/2012 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlordane-gamma	0.042	U	0.050	ug/L							
delta-BHC	0.048	U	0.050	ug/L							
Dieldrin	0.045	U	0.050	ug/L							
Endosulfan I	0.045	U	0.050	ug/L							
Endosulfan II	0.036	U	0.050	ug/L							
Endosulfan sulfate	0.032	U	0.050	ug/L							
Endrin	0.041	U	0.050	ug/L							
Endrin aldehyde	0.042	U	0.050	ug/L							
gamma-BHC	0.034	U	0.050	ug/L							
Heptachlor	0.030	U	0.050	ug/L							
Heptachlor epoxide	0.037	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*117*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*123*	*37-149*			

LCS (2J30016-BS1) Prepared: 10/30/2012 11:19 Analyzed: 11/01/2012 15:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00		125	37-139			
Dieldrin	1.2		0.050	ug/L	1.00		122	46-132			
Endrin	1.3		0.050	ug/L	1.00		127	43-133			
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*105*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*114*	*37-149*			

Matrix Spike (2J30016-MS1) Prepared: 10/30/2012 11:19 Analyzed: 11/01/2012 13:31

Source: C212735-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.4		0.050	ug/L	1.00	0.049 U	140	37-139			QM-07
Dieldrin	1.3		0.050	ug/L	1.00	0.045 U	133	46-132			QM-07
Endrin	1.4		0.050	ug/L	1.00	0.041 U	140	43-133			QM-07
Surrogate: 2,4,5,6-TCMX	*1.3*			*ug/L*	*1.00*		*127*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*114*	*37-149*			

Matrix Spike Dup (2J30016-MSD1) Prepared: 10/30/2012 11:19 Analyzed: 11/01/2012 13:44

Source: C212735-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.4		0.050	ug/L	1.00	0.049 U	145	37-139	4	26	QM-07
Dieldrin	1.4		0.050	ug/L	1.00	0.045 U	140	46-132	5	27	QM-07
Endrin	1.5		0.050	ug/L	1.00	0.041 U	147	43-133	5	26	QM-07
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*119*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.4*			*ug/L*	*1.00*		*140*	*37-149*			

Batch 2K07030 - EPA 3510C

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Blank (2K07030-BLK1) Prepared: 11/07/2012 15:38 Analyzed: 11/08/2012 17:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.041	U	0.050	ug/L							
alpha-BHC	0.036	U	0.050	ug/L							
beta-BHC	0.036	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							
Chlordane-gamma	0.042	U	0.050	ug/L							
delta-BHC	0.048	U	0.050	ug/L							
Dieldrin	0.045	U	0.050	ug/L							
Endosulfan I	0.045	U	0.050	ug/L							
Endosulfan II	0.036	U	0.050	ug/L							
Endosulfan sulfate	0.032	U	0.050	ug/L							
Endrin	0.041	U	0.050	ug/L							
Endrin aldehyde	0.042	U	0.050	ug/L							
gamma-BHC	0.034	U	0.050	ug/L							
Heptachlor	0.030	U	0.050	ug/L							
Heptachlor epoxide	0.037	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.95*			*ug/L*	*1.00*		*95*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.89*			*ug/L*	*1.00*		*89*	*37-149*			

LCS (2K07030-BS1) Prepared: 11/07/2012 15:38 Analyzed: 11/08/2012 17:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00		112	37-139			
Dieldrin	1.1		0.050	ug/L	1.00		109	46-132			
Endrin	1.1		0.050	ug/L	1.00		109	43-133			
Surrogate: 2,4,5,6-TCMX	*0.89*			*ug/L*	*1.00*		*89*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.94*			*ug/L*	*1.00*		*94*	*37-149*			

Matrix Spike (2K07030-MS1) Prepared: 11/07/2012 15:38 Analyzed: 11/08/2012 18:08

Source: C213129-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00	0.049 U	121	37-139			
Dieldrin	1.2		0.050	ug/L	1.00	0.045 U	118	46-132			
Endrin	1.2		0.050	ug/L	1.00	0.041 U	120	43-133			
Surrogate: 2,4,5,6-TCMX	*0.97*			*ug/L*	*1.00*		*97*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.93*			*ug/L*	*1.00*		*93*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 2J31008 - EPA 3510C

Blank (2J31008-BLK1) Prepared: 10/31/2012 10:33 Analyzed: 11/01/2012 14:20

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 2J31008 - EPA 3510C

Blank (2J31008-BLK1) Continued Prepared: 10/31/2012 10:33 Analyzed: 11/01/2012 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*117*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*123*	*42-159*			

LCS (2J31008-BS1) Prepared: 10/31/2012 10:33 Analyzed: 11/01/2012 15:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.3		0.50	ug/L	10.0		83	66-149			
PCB-1260	9.2		0.50	ug/L	10.0		92	64-150			
Surrogate: 2,4,5,6-TCMX	*0.72*			*ug/L*	*1.00*		*72*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.64*			*ug/L*	*1.00*		*64*	*42-159*			

Matrix Spike (2J31008-MS1) Prepared: 10/31/2012 10:33 Analyzed: 11/01/2012 15:26

Source: C212735-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.0		0.50	ug/L	10.0	0.19 U	80	66-149			
PCB-1260	9.0		0.50	ug/L	10.0	0.13 U	90	64-150			
Surrogate: 2,4,5,6-TCMX	*0.70*			*ug/L*	*1.00*		*70*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.79*			*ug/L*	*1.00*		*79*	*42-159*			

Matrix Spike Dup (2J31008-MSD1) Prepared: 10/31/2012 10:33 Analyzed: 11/01/2012 15:39

Source: C212735-11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.8		0.50	ug/L	10.0	0.19 U	88	66-149	10	21	
PCB-1260	9.8		0.50	ug/L	10.0	0.13 U	98	64-150	8	18	
Surrogate: 2,4,5,6-TCMX	*0.75*			*ug/L*	*1.00*		*75*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.74*			*ug/L*	*1.00*		*74*	*42-159*			

Batch 2K07031 - EPA 3510C

Blank (2K07031-BLK1) Prepared: 11/07/2012 15:42 Analyzed: 11/08/2012 17:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 2K07031 - EPA 3510C

Blank (2K07031-BLK1) Continued Prepared: 11/07/2012 15:42 Analyzed: 11/08/2012 17:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*0.95*			*ug/L*	*1.00*		*95*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.89*			*ug/L*	*1.00*		*89*	*42-159*			

LCS (2K07031-BS1) Prepared: 11/07/2012 15:42 Analyzed: 11/08/2012 18:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.4		0.50	ug/L	10.0		94	66-149			
PCB-1260	10		0.50	ug/L	10.0		101	64-150			
Surrogate: 2,4,5,6-TCMX	*0.85*			*ug/L*	*1.00*		*85*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.74*			*ug/L*	*1.00*		*74*	*42-159*			

Matrix Spike (2K07031-MS1) Prepared: 11/07/2012 15:42 Analyzed: 11/08/2012 18:48

Source: C213129-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.9		0.50	ug/L	10.0	0.19 U	89	66-149			
PCB-1260	10		0.50	ug/L	10.0	0.13 U	100	64-150			
Surrogate: 2,4,5,6-TCMX	*0.77*			*ug/L*	*1.00*		*77*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.79*			*ug/L*	*1.00*		*79*	*42-159*			

Matrix Spike Dup (2K07031-MSD1) Prepared: 11/07/2012 15:42 Analyzed: 11/08/2012 19:01

Source: C213129-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.0		0.50	ug/L	10.0	0.19 U	90	66-149	0.9	21	
PCB-1260	10		0.50	ug/L	10.0	0.13 U	102	64-150	2	18	
Surrogate: 2,4,5,6-TCMX	*0.82*			*ug/L*	*1.00*		*82*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.77*			*ug/L*	*1.00*		*77*	*42-159*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31024 - EPA 7470A

Blank (2J31024-BLK1) Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (2J31024-BS1) Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.72		0.200	ug/L	5.00		114	80-120			

Matrix Spike (2J31024-MS1) Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:13

Source: C212062-03

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31024 - EPA 7470A

Matrix Spike (2J31024-MS1) Continued Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:13

Source: C212062-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.58		0.200	ug/L	5.00	0.170 U	112	75-125			

Matrix Spike Dup (2J31024-MSD1) Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:15

Source: C212062-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.19		0.200	ug/L	5.00	0.170 U	104	75-125	7	25	

Post Spike (2J31024-PS1) Prepared: 10/31/2012 16:26 Analyzed: 11/01/2012 16:17

Source: C212062-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.99		0.200	ug/L	5.00	-0.0960	102	75-125			

Batch 2J31025 - EPA 7470A

Blank (2J31025-BLK1) Prepared: 10/31/2012 16:27 Analyzed: 11/01/2012 16:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (2J31025-BS1) Prepared: 10/31/2012 16:27 Analyzed: 11/01/2012 16:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.43		0.200	ug/L	5.00		109	80-120			

Matrix Spike (2J31025-MS1) Prepared: 10/31/2012 16:27 Analyzed: 11/01/2012 17:02

Source: C212083-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	8.53		0.200	ug/L	5.00	3.84	94	75-125			

Matrix Spike Dup (2J31025-MSD1) Prepared: 10/31/2012 16:27 Analyzed: 11/01/2012 17:04

Source: C212083-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	8.07		0.200	ug/L	5.00	3.84	85	75-125	6	25	

Post Spike (2J31025-PS1) Prepared: 10/31/2012 16:27 Analyzed: 11/01/2012 17:07

Source: C212083-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	7.48		0.200	ug/L	5.00	3.84	73	75-125			QM-08

Batch 2K05028 - EPA 7470A

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Blank (2K05028-BLK1) Prepared: 11/05/2012 12:59 Analyzed: 11/06/2012 12:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (2K05028-BS1) Prepared: 11/05/2012 12:59 Analyzed: 11/06/2012 12:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.44		0.200	ug/L	5.00		109	80-120			

Matrix Spike (2K05028-MS1) Prepared: 11/05/2012 12:59 Analyzed: 11/06/2012 12:57

Source: C212911-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.31		0.200	ug/L	5.00	0.170 U	106	75-125			

Matrix Spike Dup (2K05028-MSD1) Prepared: 11/05/2012 12:59 Analyzed: 11/06/2012 12:59

Source: C212911-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.18		0.200	ug/L	5.00	0.170 U	104	75-125	2	25	

Post Spike (2K05028-PS1) Prepared: 11/05/2012 12:59 Analyzed: 11/06/2012 13:01

Source: C212911-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.90		0.200	ug/L	5.00	-0.0930	100	75-125			

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

Blank (2J30018-BLK1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 14:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2J30018-BS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:49

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

LCS (2J30018-BS1) Continued Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	198		10.0	ug/L	200		99	80-120			
Barium	194		10.0	ug/L	200		97	80-120			
Beryllium	19.2		1.00	ug/L	20.0		96	80-120			
Cadmium	20.4		1.00	ug/L	20.0		102	80-120			
Chromium	193		10.0	ug/L	200		97	80-120			
Cobalt	201		10.0	ug/L	200		101	80-120			
Copper	191		10.0	ug/L	200		96	80-120			
Lead	198		10.0	ug/L	200		99	80-120			
Nickel	194		10.0	ug/L	200		97	80-120			
Silver	193		10.0	ug/L	200		96	80-120			
Tin	194		10.0	ug/L	200		97	80-120			
Vanadium	195		10.0	ug/L	200		97	80-120			
Zinc	190		10.0	ug/L	200		95	80-120			

Matrix Spike (2J30018-MS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:54

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	197		10.0	ug/L	200	2.80 U	99	75-125			
Barium	326		10.0	ug/L	200	134	96	75-125			
Beryllium	19.7		1.00	ug/L	20.0	0.100 U	98	75-125			
Cadmium	20.3		1.00	ug/L	20.0	0.360 U	101	75-125			
Chromium	195		10.0	ug/L	200	1.00 U	98	75-125			
Cobalt	200		10.0	ug/L	200	1.10 U	100	75-125			
Copper	196		10.0	ug/L	200	1.60 U	98	75-125			
Lead	197		10.0	ug/L	200	3.63	97	75-125			
Nickel	195		10.0	ug/L	200	2.98	96	75-125			
Silver	196		10.0	ug/L	200	1.90 U	98	75-125			
Tin	205		10.0	ug/L	200	4.82	100	75-125			
Vanadium	201		10.0	ug/L	200	1.55	100	75-125			
Zinc	206		10.0	ug/L	200	5.97	100	75-125			

Matrix Spike Dup (2J30018-MSD1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:56

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200	2.80 U	100	75-125	2	20	
Barium	320		10.0	ug/L	200	134	93	75-125	2	20	
Beryllium	19.3		1.00	ug/L	20.0	0.100 U	96	75-125	2	20	
Cadmium	20.1		1.00	ug/L	20.0	0.360 U	101	75-125	0.8	20	
Chromium	191		10.0	ug/L	200	1.00 U	96	75-125	2	20	
Cobalt	198		10.0	ug/L	200	1.10 U	99	75-125	0.9	20	
Copper	192		10.0	ug/L	200	1.60 U	96	75-125	2	20	
Lead	196		10.0	ug/L	200	3.63	96	75-125	0.7	20	
Nickel	191		10.0	ug/L	200	2.98	94	75-125	2	20	
Silver	191		10.0	ug/L	200	1.90 U	96	75-125	2	20	
Tin	202		10.0	ug/L	200	4.82	98	75-125	2	20	
Vanadium	198		10.0	ug/L	200	1.55	98	75-125	2	20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

Matrix Spike Dup (2J30018-MSD1) Continued Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:56

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Zinc	205		10.0	ug/L	200	5.97	99	75-125	0.8	20	

Post Spike (2J30018-PS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:58

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.196		0.0100	mg/L	0.200	-0.00223	99	80-120			
Barium	0.319		0.0100	mg/L	0.200	0.134	92	80-120			
Beryllium	0.0192		0.00100	mg/L	0.0200	-4.28E-5	96	80-120			
Cadmium	0.0200		0.00100	mg/L	0.0200	0.000125	99	80-120			
Chromium	0.191		0.0100	mg/L	0.200	0.000543	95	80-120			
Cobalt	0.196		0.0100	mg/L	0.200	0.000528	98	80-120			
Copper	0.192		0.0100	mg/L	0.200	-6.45E-5	96	80-120			
Lead	0.196		0.0100	mg/L	0.200	0.00363	96	80-120			
Nickel	0.191		0.0100	mg/L	0.200	0.00298	94	80-120			
Silver	0.202		0.0100	mg/L	0.200	0.000268	101	80-120			
Tin	0.200		0.0100	mg/L	0.200	0.00482	98	80-120			
Vanadium	0.197		0.0100	mg/L	0.200	0.00155	98	80-120			
Zinc	0.205		0.0100	mg/L	0.200	0.00597	100	80-120			

Batch 2J31010 - EPA 3005A

Blank (2J31010-BLK1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 10:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2J31010-BS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 10:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	212		2.00	ug/L	200		106	80-120			
Selenium	225		1.00	ug/L	200		112	80-120			
Thallium	211		1.00	ug/L	200		105	80-120			

Matrix Spike (2J31010-MS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:06

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	207		2.00	ug/L	200	0.220 U	104	75-125			
Selenium	222		1.00	ug/L	200	0.830 U	111	75-125			
Thallium	207		1.00	ug/L	200	0.110 U	104	75-125			

Matrix Spike Dup (2J31010-MSD1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:10

Source: C212061-14

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31010 - EPA 3005A

Matrix Spike Dup (2J31010-MSD1) Continued Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:10

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	204		2.00	ug/L	200	0.220 U	102	75-125	1	20	
Selenium	215		1.00	ug/L	200	0.830 U	107	75-125	3	20	
Thallium	205		1.00	ug/L	200	0.110 U	102	75-125	1	20	

Post Spike (2J31010-PS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:14

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	216		2.00	ug/L	200	-0.0164	108	80-120			
Selenium	224		1.00	ug/L	200	0.0471	112	80-120			
Thallium	211		1.00	ug/L	200	0.0124	105	80-120			

Batch 2J31012 - EPA 3005A

Blank (2J31012-BLK1) Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 12:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2J31012-BS1) Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 12:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	200		2.00	ug/L	200		100	80-120			
Selenium	222		1.00	ug/L	200		111	80-120			
Thallium	212		1.00	ug/L	200		106	80-120			

Matrix Spike (2J31012-MS1) Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 12:50

Source: C212411-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	207		2.00	ug/L	200	0.220 U	104	75-125			
Selenium	226		1.00	ug/L	200	0.830 U	113	75-125			
Thallium	199		1.00	ug/L	200	0.110 U	100	75-125			

Matrix Spike Dup (2J31012-MSD1) Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 13:03

Source: C212411-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	183		2.00	ug/L	200	0.220 U	91	75-125	13	20	
Selenium	198		1.00	ug/L	200	0.830 U	99	75-125	13	20	
Thallium	176		1.00	ug/L	200	0.110 U	88	75-125	13	20	

Post Spike (2J31012-PS1) Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 13:07

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31012 - EPA 3005A

Post Spike (2J31012-PS1) Continued Prepared: 10/31/2012 11:04 Analyzed: 11/07/2012 13:07

Source: C212411-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	207		2.00	ug/L	200	-0.194	104	80-120			
Selenium	227		1.00	ug/L	200	-0.0951	114	80-120			
Thallium	198		1.00	ug/L	200	0.0323	99	80-120			

Batch 2J31014 - EPA 3005A

Blank (2J31014-BLK1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2J31014-BS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	205		10.0	ug/L	200		103	80-120			
Barium	206		10.0	ug/L	200		103	80-120			
Beryllium	19.3		1.00	ug/L	20.0		96	80-120			
Cadmium	21.1		1.00	ug/L	20.0		105	80-120			
Chromium	193		10.0	ug/L	200		96	80-120			
Cobalt	203		10.0	ug/L	200		101	80-120			
Copper	190		10.0	ug/L	200		95	80-120			
Lead	202		10.0	ug/L	200		101	80-120			
Nickel	197		10.0	ug/L	200		99	80-120			
Silver	199		10.0	ug/L	200		99	80-120			
Tin	201		10.0	ug/L	200		101	80-120			
Vanadium	194		10.0	ug/L	200		97	80-120			
Zinc	204		10.0	ug/L	200		102	80-120			

Matrix Spike (2J31014-MS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:43

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		50.0	ug/L	1000	14.0 U	106	75-125			
Barium	1080		50.0	ug/L	1000	5.00 U	108	75-125			
Beryllium	103		5.00	ug/L	100	0.500 U	103	75-125			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31014 - EPA 3005A

Matrix Spike (2J31014-MS1) Continued Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:43

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	110		5.00	ug/L	100	1.80 U	110	75-125			
Chromium	1010		50.0	ug/L	1000	5.00 U	101	75-125			
Cobalt	1080		50.0	ug/L	1000	5.50 U	108	75-125			
Copper	1010		50.0	ug/L	1000	8.00 U	101	75-125			
Lead	1060		50.0	ug/L	1000	9.50 U	106	75-125			
Nickel	1040		50.0	ug/L	1000	9.00 U	104	75-125			
Silver	1040		50.0	ug/L	1000	9.50 U	104	75-125			
Tin	1090		50.0	ug/L	1000	13.1	108	75-125			
Vanadium	1040		50.0	ug/L	1000	7.00 U	104	75-125			
Zinc	1100		50.0	ug/L	1000	57.8	104	75-125			

Matrix Spike Dup (2J31014-MSD1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:45

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1070		50.0	ug/L	1000	14.0 U	107	75-125	1	20	
Barium	1090		50.0	ug/L	1000	5.00 U	109	75-125	0.6	20	
Beryllium	102		5.00	ug/L	100	0.500 U	102	75-125	0.6	20	
Cadmium	109		5.00	ug/L	100	1.80 U	109	75-125	0.7	20	
Chromium	1010		50.0	ug/L	1000	5.00 U	101	75-125	0.2	20	
Cobalt	1080		50.0	ug/L	1000	5.50 U	108	75-125	0.1	20	
Copper	1020		50.0	ug/L	1000	8.00 U	102	75-125	1	20	
Lead	1060		50.0	ug/L	1000	9.50 U	106	75-125	0.2	20	
Nickel	1040		50.0	ug/L	1000	9.00 U	104	75-125	0.09	20	
Silver	1050		50.0	ug/L	1000	9.50 U	105	75-125	0.6	20	
Tin	1090		50.0	ug/L	1000	13.1	108	75-125	0.06	20	
Vanadium	1050		50.0	ug/L	1000	7.00 U	105	75-125	0.3	20	
Zinc	1170		50.0	ug/L	1000	57.8	111	75-125	6	20	

Post Spike (2J31014-PS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:47

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.207		0.0100	mg/L	0.200	0.00140	103	80-120			
Barium	0.210		0.0100	mg/L	0.200	0.000268	105	80-120			
Beryllium	0.0199		0.00100	mg/L	0.0200	-0.000121	100	80-120			
Cadmium	0.0211		0.00100	mg/L	0.0200	-0.000296	107	80-120			
Chromium	0.196		0.0100	mg/L	0.200	0.000201	98	80-120			
Cobalt	0.208		0.0100	mg/L	0.200	-0.000164	104	80-120			
Copper	0.198		0.0100	mg/L	0.200	0.00160	98	80-120			
Lead	0.205		0.0100	mg/L	0.200	-0.00242	104	80-120			
Nickel	0.201		0.0100	mg/L	0.200	0.00103	100	80-120			
Silver	0.207		0.0100	mg/L	0.200	0.000152	103	80-120			
Tin	0.213		0.0100	mg/L	0.200	0.00262	105	80-120			
Vanadium	0.203		0.0100	mg/L	0.200	1.32E-5	102	80-120			
Zinc	0.230		0.0100	mg/L	0.200	0.0116	109	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31014 - EPA 3005A

Batch 2K01021 - EPA 3005A

Blank (2K01021-BLK1) Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2K01021-BS1) Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	208		10.0	ug/L	200		104	80-120			
Barium	209		10.0	ug/L	200		104	80-120			
Beryllium	20.7		1.00	ug/L	20.0		104	80-120			
Cadmium	21.8		1.00	ug/L	20.0		109	80-120			
Chromium	207		10.0	ug/L	200		103	80-120			
Cobalt	209		10.0	ug/L	200		105	80-120			
Copper	204		10.0	ug/L	200		102	80-120			
Lead	212		10.0	ug/L	200		106	80-120			
Nickel	209		10.0	ug/L	200		104	80-120			
Silver	214		10.0	ug/L	200		107	80-120			
Tin	206		10.0	ug/L	200		103	80-120			
Vanadium	210		10.0	ug/L	200		105	80-120			
Zinc	219		10.0	ug/L	200		109	80-120			

Matrix Spike (2K01021-MS1) Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:21

Source: C212911-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	208		10.0	ug/L	200	2.80 U	104	75-125			
Barium	260		10.0	ug/L	200	55.7	102	75-125			
Beryllium	21.0		1.00	ug/L	20.0	0.100 U	105	75-125			
Cadmium	20.8		1.00	ug/L	20.0	0.360 U	104	75-125			
Chromium	205		10.0	ug/L	200	1.00 U	103	75-125			
Cobalt	204		10.0	ug/L	200	1.10 U	102	75-125			
Copper	206		10.0	ug/L	200	1.60 U	103	75-125			
Lead	203		10.0	ug/L	200	1.90 U	102	75-125			
Nickel	202		10.0	ug/L	200	1.80 U	101	75-125			
Silver	216		10.0	ug/L	200	1.90 U	108	75-125			
Tin	211		10.0	ug/L	200	4.31	104	75-125			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2K01021 - EPA 3005A

Matrix Spike (2K01021-MS1) Continued Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:21

Source: C212911-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	214		10.0	ug/L	200	2.30	106	75-125			
Zinc	217		10.0	ug/L	200	3.80 U	108	75-125			

Matrix Spike Dup (2K01021-MSD1) Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:24

Source: C212911-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	212		10.0	ug/L	200	2.80 U	106	75-125	2	20	
Barium	263		10.0	ug/L	200	55.7	104	75-125	1	20	
Beryllium	21.1		1.00	ug/L	20.0	0.100 U	105	75-125	0.5	20	
Cadmium	21.0		1.00	ug/L	20.0	0.360 U	105	75-125	1	20	
Chromium	207		10.0	ug/L	200	1.00 U	104	75-125	0.9	20	
Cobalt	207		10.0	ug/L	200	1.10 U	103	75-125	2	20	
Copper	208		10.0	ug/L	200	1.60 U	104	75-125	1	20	
Lead	209		10.0	ug/L	200	1.90 U	105	75-125	3	20	
Nickel	203		10.0	ug/L	200	1.80 U	101	75-125	0.4	20	
Silver	217		10.0	ug/L	200	1.90 U	109	75-125	0.7	20	
Tin	214		10.0	ug/L	200	4.31	105	75-125	1	20	
Vanadium	216		10.0	ug/L	200	2.30	107	75-125	1	20	
Zinc	220		10.0	ug/L	200	3.80 U	110	75-125	2	20	

Post Spike (2K01021-PS1) Prepared: 11/01/2012 15:59 Analyzed: 11/05/2012 14:26

Source: C212911-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.215		0.0100	mg/L	0.200	-0.00131	108	80-120			
Barium	0.263		0.0100	mg/L	0.200	0.0557	103	80-120			
Beryllium	0.0210		0.00100	mg/L	0.0200	-3.39E-5	105	80-120			
Cadmium	0.0211		0.00100	mg/L	0.0200	-0.000345	107	80-120			
Chromium	0.207		0.0100	mg/L	0.200	0.000647	103	80-120			
Cobalt	0.207		0.0100	mg/L	0.200	7.53E-5	103	80-120			
Copper	0.208		0.0100	mg/L	0.200	-0.00164	105	80-120			
Lead	0.207		0.0100	mg/L	0.200	2.00E-5	103	80-120			
Nickel	0.204		0.0100	mg/L	0.200	-0.00114	102	80-120			
Silver	0.222		0.0100	mg/L	0.200	0.00109	111	80-120			
Tin	0.215		0.0100	mg/L	0.200	0.00431	105	80-120			
Vanadium	0.215		0.0100	mg/L	0.200	0.00230	107	80-120			
Zinc	0.222		0.0100	mg/L	0.200	0.00331	109	80-120			

Batch 2K01022 - EPA 3005A

Blank (2K01022-BLK1) Prepared: 11/01/2012 16:01 Analyzed: 11/08/2012 12:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2K01022 - EPA 3005A

LCS (2K01022-BS1) Prepared: 11/01/2012 16:01 Analyzed: 11/08/2012 12:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	209		2.00	ug/L	200		104	80-120			
Selenium	225		1.00	ug/L	200		113	80-120			
Thallium	218		1.00	ug/L	200		109	80-120			

Matrix Spike (2K01022-MS1) Prepared: 11/01/2012 16:01 Analyzed: 11/08/2012 12:32

Source: C212911-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	220		2.00	ug/L	200	0.716	109	75-125			
Selenium	235		1.00	ug/L	200	0.830 U	118	75-125			
Thallium	203		1.00	ug/L	200	0.110 U	101	75-125			

Matrix Spike Dup (2K01022-MSD1) Prepared: 11/01/2012 16:01 Analyzed: 11/08/2012 12:45

Source: C212911-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	221		2.00	ug/L	200	0.716	110	75-125	0.7	20	
Selenium	234		1.00	ug/L	200	0.830 U	117	75-125	0.6	20	
Thallium	208		1.00	ug/L	200	0.110 U	104	75-125	2	20	

Post Spike (2K01022-PS1) Prepared: 11/01/2012 16:01 Analyzed: 11/08/2012 12:49

Source: C212911-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	215		2.00	ug/L	200	0.716	107	80-120			
Selenium	233		1.00	ug/L	200	0.491	116	80-120			
Thallium	203		1.00	ug/L	200	0.0202	101	80-120			

Classical Chemistry Parameters - Quality Control

Batch 2J29009 - NO PREP

Blank (2J29009-BLK1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.010	U	0.10	mg/L							

LCS (2J29009-BS1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.33		0.10	mg/L	0.401		82	80-120			

Matrix Spike (2J29009-MS1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Source: C212409-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2J29009 - NO PREP

Matrix Spike (2J29009-MS1) Continued Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Source: C212409-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.010	U	0.10	mg/L	0.401	0.010 U		80-120			QM-05

Matrix Spike Dup (2J29009-MSD1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Source: C212409-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.010	U	0.10	mg/L	0.401	0.010 U		80-120		25	QM-05

Batch 2K02002 - Same

Blank (2K02002-BLK1) Prepared: 11/02/2012 09:40 Analyzed: 11/02/2012 16:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0049	U	0.010	mg/L							

LCS (2K02002-BS1) Prepared: 11/02/2012 09:40 Analyzed: 11/02/2012 16:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150		101	85-115			

Matrix Spike (2K02002-MS1) Prepared: 11/02/2012 09:40 Analyzed: 11/02/2012 16:26

Source: C212062-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.010	mg/L	0.150	0.0049 U	95	85-115			

Matrix Spike Dup (2K02002-MSD1) Prepared: 11/02/2012 09:40 Analyzed: 11/02/2012 16:28

Source: C212062-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0049 U	97	85-115	2	20	

Batch 2K02021 - NO PREP

Blank (2K02021-BLK1) Prepared: 11/02/2012 14:20 Analyzed: 11/02/2012 14:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.010	U	0.10	mg/L							

LCS (2K02021-BS1) Prepared: 11/02/2012 14:20 Analyzed: 11/02/2012 14:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.42		0.10	mg/L	0.401		104	80-120			

Matrix Spike (2K02021-MS1) Prepared: 11/02/2012 14:20 Analyzed: 11/02/2012 14:35

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2K02021 - NO PREP

Matrix Spike (2K02021-MS1) Continued Prepared: 11/02/2012 14:20 Analyzed: 11/02/2012 14:35

Source: C212815-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.13		0.10	mg/L	0.401	0.010 U	33	80-120			QM-05

Matrix Spike Dup (2K02021-MSD1) Prepared: 11/02/2012 14:20 Analyzed: 11/02/2012 14:35

Source: C212815-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.13		0.10	mg/L	0.401	0.010 U	32	80-120	5	25	QM-05

Batch 2K08021 - Same

Blank (2K08021-BLK1) Prepared: 11/08/2012 09:30 Analyzed: 11/11/2012 10:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0049	U	0.010	mg/L							

LCS (2K08021-BS1) Prepared: 11/08/2012 09:30 Analyzed: 11/11/2012 10:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.010	mg/L	0.150		95	85-115			

Matrix Spike (2K08021-MS1) Prepared: 11/08/2012 15:50 Analyzed: 11/11/2012 10:49

Source: C212707-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.010	mg/L	0.150	0.0049 U	96	85-115			

Matrix Spike Dup (2K08021-MSD1) Prepared: 11/08/2012 15:50 Analyzed: 11/11/2012 10:51

Source: C212707-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0049 U	97	85-115	0.6	20	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 2J29040 - EPA 3510C

Blank (2J29040-BLK1) Prepared: 10/29/2012 15:00 Analyzed: 10/30/2012 20:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.23	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.20	U	0.50	ug/L							
2,4-D	0.16	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.5*			*ug/L*	*2.00*		*76*	*68-139*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 2J29040 - EPA 3510C

Blank (2J29040-BLK2) Prepared: 10/29/2012 15:00 Analyzed: 10/30/2012 21:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	1.2	U	2.5	ug/L							
2,4,5-TP (Silvex)	1.0	U	2.5	ug/L							
2,4-D	0.80	U	2.5	ug/L							
Dinoseb	1.6	U	2.5	ug/L							
Pentachlorophenol	0.95	U	2.5	ug/L							
Surrogate: 2,4-DCAA	*8.5*			*ug/L*	*10.0*		*85*	*68-139*			

LCS (2J29040-BS1) Prepared: 10/29/2012 15:00 Analyzed: 10/30/2012 21:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.5		0.50	ug/L	2.00		76	70-114			
2,4-D	1.6		0.50	ug/L	2.00		79	37-129			
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*82*	*68-139*			

Matrix Spike (2J29040-MS1) Prepared: 10/29/2012 15:00 Analyzed: 10/30/2012 21:58

Source: A206049-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.7		0.50	ug/L	2.00	0.20 U	84	70-114			
2,4-D	1.7		0.50	ug/L	2.00	0.16 U	85	37-129			
Surrogate: 2,4-DCAA	*2.6*			*ug/L*	*2.00*		*132*	*68-139*			

Matrix Spike Dup (2J29040-MSD1) Prepared: 10/29/2012 15:00 Analyzed: 10/30/2012 22:24

Source: A206049-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.7		0.50	ug/L	2.00	0.20 U	84	70-114	0.5	15	
2,4-D	1.7		0.50	ug/L	2.00	0.16 U	87	37-129	2	33	
Surrogate: 2,4-DCAA	*2.7*			*ug/L*	*2.00*		*134*	*68-139*			

Batch 2J31001 - EPA 3510C

Blank (2J31001-BLK1) Prepared: 10/31/2012 05:05 Analyzed: 11/01/2012 18:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.23	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.20	U	0.50	ug/L							
2,4-D	0.16	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*107*	*68-139*			

LCS (2J31001-BS1) Prepared: 10/31/2012 05:05 Analyzed: 11/01/2012 19:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 2J31001 - EPA 3510C

LCS (2J31001-BS1) Continued Prepared: 10/31/2012 05:05 Analyzed: 11/01/2012 19:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.4		0.50	ug/L	2.00		118	70-114			QL-02
2,4-D	2.4		0.50	ug/L	2.00		120	37-129			
Surrogate: 2,4-DCAA	*2.5*			*ug/L*	*2.00*		*124*	*68-139*			

Matrix Spike (2J31001-MS1) Prepared: 10/31/2012 05:05 Analyzed: 11/01/2012 19:47

Source: A206049-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.20 U	78	70-114			
2,4-D	1.1		0.50	ug/L	2.00	0.16 U	53	37-129			
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*102*	*68-139*			

Matrix Spike Dup (2J31001-MSD1) Prepared: 10/31/2012 05:05 Analyzed: 11/01/2012 20:13

Source: A206049-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.20 U	105	70-114	29	15	QM-11
2,4-D	2.0		0.50	ug/L	2.00	0.16 U	100	37-129	62	33	QM-11
Surrogate: 2,4-DCAA	*2.2*			*ug/L*	*2.00*		*112*	*68-139*			

Batch 2K02023 - EPA 3510C

Blank (2K02023-BLK1) Prepared: 11/02/2012 16:00 Analyzed: 11/07/2012 12:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.23	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.20	U	0.50	ug/L							
2,4-D	0.16	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.19	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*99*	*68-139*			

LCS (2K02023-BS1) Prepared: 11/02/2012 16:00 Analyzed: 11/07/2012 13:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00		96	70-114			
2,4-D	1.9		0.50	ug/L	2.00		96	37-129			
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*100*	*68-139*			

Matrix Spike (2K02023-MS1) Prepared: 11/02/2012 16:00 Analyzed: 11/07/2012 14:12

Source: A206049-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.20 U	106	70-114			
2,4-D	2.1		0.50	ug/L	2.00	0.16 U	105	37-129			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 2K02023 - EPA 3510C

Matrix Spike (2K02023-MS1) Continued Prepared: 11/02/2012 16:00 Analyzed: 11/07/2012 14:12

Source: A206049-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*107*	*68-139*			

Matrix Spike (2K02023-MS2) Prepared: 11/03/2012 11:10 Analyzed: 11/07/2012 16:12

Source: A205958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	0.98		0.50	ug/L	2.00	0.20 U	49	70-114			QM-07
2,4-D	1.2		0.50	ug/L	2.00	0.16 U	62	37-129			
Surrogate: 2,4-DCAA	*1.4*			*ug/L*	*2.00*		*69*	*68-139*			

Matrix Spike Dup (2K02023-MSD1) Prepared: 11/02/2012 16:00 Analyzed: 11/07/2012 14:38

Source: A206049-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.20 U	104	70-114	2	15	
2,4-D	2.0		0.50	ug/L	2.00	0.16 U	102	37-129	3	33	
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*96*	*68-139*			

Matrix Spike Dup (2K02023-MSD2) Prepared: 11/03/2012 11:10 Analyzed: 11/07/2012 16:38

Source: A205958-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.2		0.50	ug/L	2.00	0.20 U	62	70-114	23	15	QM-07, QM-11
2,4-D	1.4		0.50	ug/L	2.00	0.16 U	71	37-129	13	33	
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*87*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
O-05	This sample was extracted outside of the EPA recommended holding time.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QS-03	Surrogate recovery outside acceptance limits
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.
QV-02	The associated continuing calibration verification standard exhibited low bias; the reported result should be considered to be a minimum estimate.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App IIs
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 / Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simmons / S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone:

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C212411

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2,8082A Appendix 2,8151A Appendix 2,8270D Appendix 2	8260B Appendix 2,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 9014	Hg	Sulfide SM4500-S D					Sample Comments
	4103-II1	10/26/12	0930	G	GW	9	X	X	X	X	X	X					
	~~4103-II2~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	4103-II3	10/24/12	1700	G	GW	9	X	X	X	X	X	X					
	4103-II4	10/24/12	1435	G	GW	9	X	X	X	X	X	X					
	4103-II5	10/24/12	1215	G	GW	9	X	X	X	X	X	X					
	4103-II6	10/24/12	1120	G	GW	9	X	X	X	X	X	X					
	~~4103-II7~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	~~4103-II7B~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	~~4103-II8~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	~~4103-II12~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	~~4103-MW13~~				~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	4103-MW14	10/25/12	1700	G	GW	9	X	X	X	X	X	X					

<-- Total # of Containers

Sample Kit Prepared By: CS	Date/Time: 10/18/12	Relinquished By	Date/Time	Received By: [signature]	Date/Time: 10/26/12 11:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.3°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) **Preservation:** I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Client Name	S&ME, Inc. (SM004)
Project Number	[none]
Address	3718 Old Battleground Rd.
Project Name/Desc	White Street Landfill App IIs
City/ST/Zip	Greensboro, NC 27410
PO # / Billing Info	
Tel	(336) 288-7180
Fax	(336) 288-8980
Reporting Contact	Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Gary Simcox / S&ME
Billing Contact	Accounts Payable
Sampler(s) Signature	
Site Location / Time Zone	

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C212411~~

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2,8082A Appendix 2,8151A Appendix 2,8270D Appendix 2	8260B Appendix 2,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 9014	Hg	Sulfide SM4500-S D					Sample Comments
	4103-DuplicateII	10/26/12	0800	G	GW	9	X	X	X	X	X	X					C212815
	4103-TripBlank#1				GW	3		X									
	4103-TripBlank#2				GW	3		X									
	I - 8	10/26/12	1445	G	GW	9	X	X	X	X	X	X					

<-- Total # of Containers

Sample Kit Prepared By: CS	Date/Time: 10/18/12	Relinquished By	Date/Time: 10/29/12	Received By: ME Stamper	Date/Time: 10/29/12 1030
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-005, C-118, C-317, C-745 C-524, C-787 & Green 1.6°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Client Name	S&ME, Inc. (SM004)
Address	3718 Old Battleground Rd.
City/ST/Zip	Greensboro, NC 27410
Tel	(336) 288-7180
Fax	(336) 288-8980
Sampler(s) Name, Affiliation (Print)	Gary Simcox / S&ME, Inc.
Sampler(s) Signature	
Project Number	[none]
Project Name/Desc	White Street Landfill App IIs
PO # / Billing Info	
Reporting Contact	Edmund Henriques
Billing Contact	Accounts Payable
Site Location / Time Zone	

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C212411~~

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2, 8082A Appendix 2, 8151A Appendix 2, 8270D Appendix 2	8260B Appendix 2, 8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 9014	Hg	Sulfide SM4500-S D					Sample Comments
	~~4103-Duplicate#1~~	~~10/26/12~~	~~0800~~	~~G~~	~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					C212911
	4103-TripBlank#1				GW	3		X									
	4103-TripBlank#2				GW	3		X									
	~~II-8~~	~~10/26/12~~	~~1445~~	~~G~~	~~GW~~	~~9~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	II-2	10/31/12	~~1530~~ 1525	G	GW	9	X	X	X	X	X	X					
	II-7	10/31/12	1330	G	GW	9	X	X	X	X	X	X					
	II-7B	10/31/12	1145	G	GW	9	X	X	X	X	X	X					
	~~MW-12~~ 11 12pei	10/31/12	1520	G	GW	9	X	X	X	X	X	X					
	MW-13 client	10/31/12	1725	G	GW	9	X	X	X	X	X	X					

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CS	10/18/12		11/1/12 0800	MEStamper	
Comments/Special Reporting Requirements: times taken from sample containers MES		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Coolers #'s & Temps on Receipt: C-005, C-118, C-317, C-745, C-524, C-787 & Green		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice/ H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

2.7°C 2.1°C

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
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Monday, November 12, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill Surface Waters
ENCO Workorder(s): C212410

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, October 29, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 30.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4112-SW1 **Lab ID: C212410-01** **Sampled: 10/26/12 17:20** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/24/13	10/31/12 11:09	11/2/2012 14:01
EPA 6020A	04/24/13	10/31/12 11:00	11/9/2012 12:18
EPA 8260B	11/09/12	11/05/12 12:43	11/6/2012 07:26

Client ID: 4112-SW2 **Lab ID: C212410-02** **Sampled: 10/26/12 16:20** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/24/13	10/31/12 11:09	11/2/2012 14:03
EPA 6020A	04/24/13	10/31/12 11:00	11/9/2012 12:31
EPA 8260B	11/09/12	11/05/12 12:43	11/6/2012 07:56

Client ID: 4112-SW3 **Lab ID: C212410-03** **Sampled: 10/26/12 16:00** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/24/13	10/31/12 11:09	11/2/2012 14:06
EPA 6020A	04/24/13	10/31/12 11:00	11/9/2012 12:35

Client ID: 4112-SW3 **Lab ID: C212410-03RE1** **Sampled: 10/26/12 16:00** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/09/12	11/07/12 09:17	11/7/2012 15:07

Client ID: 4112-SW4 **Lab ID: C212410-04** **Sampled: 10/26/12 16:50** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/24/13	10/31/12 11:09	11/2/2012 14:08
EPA 6020A	04/24/13	10/31/12 11:00	11/9/2012 12:39
EPA 8260B	11/09/12	11/05/12 12:50	11/6/2012 03:59

Client ID: 4112-SW5 **Lab ID: C212410-05** **Sampled: 10/26/12 15:15** **Received: 10/29/12 10:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/24/13	10/31/12 11:09	11/2/2012 14:11
EPA 6020A	04/24/13	10/31/12 11:00	11/9/2012 12:43
EPA 8260B	11/09/12	11/05/12 12:50	11/6/2012 04:28

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112-SW1 **Lab ID: C212410-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	48.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	2.04	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Zinc - Total	12.3		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW2 **Lab ID: C212410-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.4	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	51.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Nickel - Total	1.92	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	5.81	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW3 **Lab ID: C212410-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	25.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	5.47	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	5.32	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	25.3		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW3 **Lab ID: C212410-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Bromodichloromethane	0.53	J	1	0.17	1.0	1	ug/L	EPA 8260B	
Chloroform	1.2	J	1	0.18	1.0	5	ug/L	EPA 8260B	

Client ID: 4112-SW4 **Lab ID: C212410-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	34.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	2.22	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	5.14	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	20.3		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW5 **Lab ID: C212410-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	5.25	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	35.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	2.71	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	5.46	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	22.0		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4112-SW1 **Lab Sample ID:** C212410-01 **Received:** 10/29/12 10:30
Matrix: Surface Water **Sampled:** 10/26/12 17:20 **Work Order:** C212410
Project: White Street Landfill Surface Waters **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 07:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 07:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 07:26	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 07:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 07:26	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 07:26	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 07:26	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 07:26	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 07:26	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 07:26	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 07:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 07:26	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 07:26	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 07:26	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 07:26	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 07:26	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 07:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 07:26	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:26	JKG	

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Description: 4112-SW1 | **Lab Sample ID:** C212410-01 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 17:20 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 07:26	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 07:26	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 07:26	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*2K05025*	*EPA 8260B*	*11/06/12 07:26*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*68-117*	*2K05025*	*EPA 8260B*	*11/06/12 07:26*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*67-127*	*2K05025*	*EPA 8260B*	*11/06/12 07:26*	*JKG*	

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Description: 4112-SW1 | **Lab Sample ID:** C212410-01 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 17:20 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:18	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Barium [7440-39-3] ^	**48.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:01	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:01	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:01	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Copper [7440-50-8] ^	**2.04**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:01	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:18	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:01	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:18	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:01	JDH	
Zinc [7440-66-6] ^	**12.3**		ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:01	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4112-SW2 | **Lab Sample ID:** C212410-02 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:20 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 07:56	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 07:56	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 07:56	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 07:56	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 07:56	JKG	
Acetone [67-64-1] ^	**4.4**	J	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 07:56	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 07:56	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 07:56	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 07:56	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 07:56	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 07:56	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 07:56	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 07:56	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 07:56	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 07:56	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 07:56	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 07:56	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 07:56	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 07:56	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 07:56	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 07:56	JKG	

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Description: 4112-SW2 | **Lab Sample ID:** C212410-02 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:20 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 07:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*85 %*	*51-122*	*2K05025*	*EPA 8260B*	*11/06/12 07:56*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*2K05025*	*EPA 8260B*	*11/06/12 07:56*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*67-127*	*2K05025*	*EPA 8260B*	*11/06/12 07:56*	*JKG*	

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Description: 4112-SW2 | **Lab Sample ID:** C212410-02 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:20 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:31	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Barium [7440-39-3] ^	**51.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:03	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:03	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:03	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Nickel [7440-02-0] ^	**1.92**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:03	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:31	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:03	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:31	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:03	JDH	
Zinc [7440-66-6] ^	**5.81**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:03	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4112-SW3 | **Lab Sample ID:** C212410-03 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:00 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/07/12 15:07	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/07/12 15:07	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/07/12 15:07	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/07/12 15:07	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/07/12 15:07	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/07/12 15:07	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/07/12 15:07	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/07/12 15:07	JKG	
Bromodichloromethane [75-27-4] ^	**0.53**	J	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/07/12 15:07	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/07/12 15:07	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/07/12 15:07	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 15:07	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/07/12 15:07	JKG	
Chloroform [67-66-3] ^	**1.2**	J	ug/L	1	0.18	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/07/12 15:07	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/07/12 15:07	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/07/12 15:07	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/07/12 15:07	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/07/12 15:07	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/07/12 15:07	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/07/12 15:07	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/07/12 15:07	JKG	

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Description: 4112-SW3 | **Lab Sample ID:** C212410-03 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:00 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/07/12 15:07	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*2K07010*	*EPA 8260B*	*11/07/12 15:07*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*68-117*	*2K07010*	*EPA 8260B*	*11/07/12 15:07*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*67-127*	*2K07010*	*EPA 8260B*	*11/07/12 15:07*	*JKG*	

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Description: 4112-SW3 | **Lab Sample ID:** C212410-03 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:00 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Barium [7440-39-3] ^	**25.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:06	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:06	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:06	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Copper [7440-50-8] ^	**5.47**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Nickel [7440-02-0] ^	**5.32**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:06	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:35	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:06	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:35	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:06	JDH	
Zinc [7440-66-6] ^	**25.3**		ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:06	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4112-SW4 | **Lab Sample ID:** C212410-04 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:50 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 03:59	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 03:59	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 03:59	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 03:59	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 03:59	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 03:59	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 03:59	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 03:59	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 03:59	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 03:59	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 03:59	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 03:59	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 03:59	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 03:59	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 03:59	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 03:59	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 03:59	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 03:59	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 03:59	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 03:59	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 03:59	JKG	

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Description: 4112-SW4 | **Lab Sample ID:** C212410-04 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:50 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 03:59	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*51-122*	*2K05026*	*EPA 8260B*	*11/06/12 03:59*	*JKG*	
Dibromofluoromethane	*53*	*1*	*50.0*	*107 %*	*68-117*	*2K05026*	*EPA 8260B*	*11/06/12 03:59*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*67-127*	*2K05026*	*EPA 8260B*	*11/06/12 03:59*	*JKG*	

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Description: 4112-SW4 | **Lab Sample ID:** C212410-04 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 16:50 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:39	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Barium [7440-39-3] ^	**34.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:08	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:08	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:08	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Copper [7440-50-8] ^	**2.22**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Nickel [7440-02-0] ^	**5.14**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:08	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:39	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:08	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:39	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:08	JDH	
Zinc [7440-66-6] ^	**20.3**		ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:08	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4112-SW5 | **Lab Sample ID:** C212410-05 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 15:15 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/06/12 04:28	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/06/12 04:28	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/06/12 04:28	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/06/12 04:28	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/06/12 04:28	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/06/12 04:28	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/06/12 04:28	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/06/12 04:28	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/06/12 04:28	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/06/12 04:28	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/06/12 04:28	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 04:28	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/06/12 04:28	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/06/12 04:28	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/06/12 04:28	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/06/12 04:28	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/06/12 04:28	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/06/12 04:28	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/06/12 04:28	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/06/12 04:28	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/06/12 04:28	JKG	

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Description: 4112-SW5 | **Lab Sample ID:** C212410-05 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 15:15 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/06/12 04:28	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*107 %*	*51-122*	*2K05026*	*EPA 8260B*	*11/06/12 04:28*	*JKG*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*68-117*	*2K05026*	*EPA 8260B*	*11/06/12 04:28*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*67-127*	*2K05026*	*EPA 8260B*	*11/06/12 04:28*	*JKG*	

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Description: 4112-SW5 | **Lab Sample ID:** C212410-05 | **Received:** 10/29/12 10:30

Matrix: Surface Water | **Sampled:** 10/26/12 15:15 | **Work Order:** C212410

Project: White Street Landfill Surface Waters | **Sampled By:** Randy Murphy

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/09/12 12:43	VLO	
Arsenic [7440-38-2] ^	**5.25**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Barium [7440-39-3] ^	**35.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/02/12 14:11	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/02/12 14:11	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/02/12 14:11	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Copper [7440-50-8] ^	**2.71**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Nickel [7440-02-0] ^	**5.46**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/02/12 14:11	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/09/12 12:43	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/02/12 14:11	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/09/12 12:43	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/02/12 14:11	JDH	
Zinc [7440-66-6] ^	**22.0**		ug/L	1	3.80	10.0	10	EPA 6010C	11/02/12 14:11	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05025 - EPA 5030B_MS

Blank (2K05025-BLK1) Prepared: 11/05/2012 12:43 Analyzed: 11/05/2012 21:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05025 - EPA 5030B_MS

Blank (2K05025-BLK1) Continued Prepared: 11/05/2012 12:43 Analyzed: 11/05/2012 21:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*67-127*			

LCS (2K05025-BS1) Prepared: 11/05/2012 12:43 Analyzed: 11/05/2012 22:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		96	75-133			
Benzene	19		1.0	ug/L	20.0		97	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		96	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	20		1.0	ug/L	20.0		98	74-119			

Matrix Spike (2K05025-MS1) Prepared: 11/05/2012 12:43 Analyzed: 11/05/2012 22:31

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.21 U	91	75-133			
Benzene	18		1.0	ug/L	20.0	0.15 U	88	81-134			
Chlorobenzene	17		1.0	ug/L	20.0	0.17 U	87	83-117			
Toluene	18		1.0	ug/L	20.0	0.14 U	88	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.15 U	91	74-119			

Matrix Spike Dup (2K05025-MSD1) Prepared: 11/05/2012 12:43 Analyzed: 11/05/2012 23:01

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	100	75-133	10	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	95	81-134	7	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	95	83-117	8	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118	6	17	
Trichloroethene	19		1.0	ug/L	20.0	0.15 U	96	74-119	6	22	

Batch 2K05026 - EPA 5030B_MS

Blank (2K05026-BLK1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 01:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05026 - EPA 5030B_MS

Blank (2K05026-BLK1) Continued Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 01:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*54*			*ug/L*	*50.0*		*108*	*68-117*			
Surrogate: Toluene-d8	*50*			*ug/L*	*50.0*		*101*	*67-127*			

LCS (2K05026-BS1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
Benzene	18		1.0	ug/L	20.0		92	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		88	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K05026 - EPA 5030B_MS

LCS (2K05026-BS1) Continued Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	21		1.0	ug/L	20.0		105	74-119			

Matrix Spike (2K05026-MS1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 02:31

Source: C212891-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	99	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	101	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	110	74-119			

Matrix Spike Dup (2K05026-MSD1) Prepared: 11/05/2012 12:50 Analyzed: 11/06/2012 03:01

Source: C212891-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	103	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	96	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	83-117	5	16	
Toluene	18		1.0	ug/L	20.0	0.14 U	91	71-118	3	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	103	74-119	6	22	

Batch 2K06005 - EPA 5030B_MS

Blank (2K06005-BLK1) Prepared: 11/06/2012 09:52 Analyzed: 11/06/2012 15:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06005 - EPA 5030B_MS

Blank (2K06005-BLK1) Continued Prepared: 11/06/2012 09:52 Analyzed: 11/06/2012 15:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							QV-01
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*55*			*ug/L*	*50.0*		*110*	*51-122*			
Surrogate: Dibromofluoromethane	*55*			*ug/L*	*50.0*		*110*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*103*	*67-127*			

LCS (2K06005-BS1) Prepared: 11/06/2012 09:52 Analyzed: 11/06/2012 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	75-133			
Benzene	19		1.0	ug/L	20.0		93	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	18		1.0	ug/L	20.0		89	71-118			
Trichloroethene	20		1.0	ug/L	20.0		101	74-119			

Matrix Spike (2K06005-MS1) Prepared: 11/06/2012 09:52 Analyzed: 11/06/2012 16:16

Source: C212959-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-133			
Benzene	19		1.0	ug/L	20.0	0.15 U	97	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	18		1.0	ug/L	20.0	0.14 U	92	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.15 U	109	74-119			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K06005 - EPA 5030B_MS

Matrix Spike Dup (2K06005-MSD1) Prepared: 11/06/2012 09:52 Analyzed: 11/06/2012 16:46

Source: C212959-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.21 U	107	75-133	3	20	
Benzene	19		1.0	ug/L	20.0	0.15 U	93	81-134	4	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	101	83-117	0.2	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118	0.8	17	
Trichloroethene	21		1.0	ug/L	20.0	0.15 U	106	74-119	2	22	

Batch 2K07010 - EPA 5030B_MS

Blank (2K07010-BLK1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K07010 - EPA 5030B_MS

Blank (2K07010-BLK1) Continued Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*84*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*67-127*			

LCS (2K07010-BS1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 14:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		97	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	74-119			

Matrix Spike (2K07010-MS1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 13:10

Source: C212959-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	98	75-133			
Benzene	20		1.0	ug/L	20.0	0.15 U	98	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	98	74-119			

Matrix Spike Dup (2K07010-MSD1) Prepared: 11/07/2012 09:17 Analyzed: 11/07/2012 13:40

Source: C212959-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.21 U	101	75-133	4	20	
Benzene	20		1.0	ug/L	20.0	0.15 U	100	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	0.2	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	95	71-118	0.4	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119	4	22	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31010 - EPA 3005A

Blank (2J31010-BLK1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 10:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2J31010-BS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 10:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	212		2.00	ug/L	200		106	80-120			
Selenium	225		1.00	ug/L	200		112	80-120			
Thallium	211		1.00	ug/L	200		105	80-120			

Matrix Spike (2J31010-MS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:06

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	207		2.00	ug/L	200	0.220 U	104	75-125			
Selenium	222		1.00	ug/L	200	0.830 U	111	75-125			
Thallium	207		1.00	ug/L	200	0.110 U	104	75-125			

Matrix Spike Dup (2J31010-MSD1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:10

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	204		2.00	ug/L	200	0.220 U	102	75-125	1	20	
Selenium	215		1.00	ug/L	200	0.830 U	107	75-125	3	20	
Thallium	205		1.00	ug/L	200	0.110 U	102	75-125	1	20	

Post Spike (2J31010-PS1) Prepared: 10/31/2012 11:00 Analyzed: 11/09/2012 11:14

Source: C212061-14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	216		2.00	ug/L	200	-0.0164	108	80-120			
Selenium	224		1.00	ug/L	200	0.0471	112	80-120			
Thallium	211		1.00	ug/L	200	0.0124	105	80-120			

Batch 2J31014 - EPA 3005A

Blank (2J31014-BLK1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31014 - EPA 3005A

Blank (2J31014-BLK1) Continued Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2J31014-BS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	205		10.0	ug/L	200		103	80-120			
Barium	206		10.0	ug/L	200		103	80-120			
Beryllium	19.3		1.00	ug/L	20.0		96	80-120			
Cadmium	21.1		1.00	ug/L	20.0		105	80-120			
Chromium	193		10.0	ug/L	200		96	80-120			
Cobalt	203		10.0	ug/L	200		101	80-120			
Copper	190		10.0	ug/L	200		95	80-120			
Lead	202		10.0	ug/L	200		101	80-120			
Nickel	197		10.0	ug/L	200		99	80-120			
Silver	199		10.0	ug/L	200		99	80-120			
Vanadium	194		10.0	ug/L	200		97	80-120			
Zinc	204		10.0	ug/L	200		102	80-120			

Matrix Spike (2J31014-MS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:43

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		50.0	ug/L	1000	14.0 U	106	75-125			
Barium	1080		50.0	ug/L	1000	5.00 U	108	75-125			
Beryllium	103		5.00	ug/L	100	0.500 U	103	75-125			
Cadmium	110		5.00	ug/L	100	1.80 U	110	75-125			
Chromium	1010		50.0	ug/L	1000	5.00 U	101	75-125			
Cobalt	1080		50.0	ug/L	1000	5.50 U	108	75-125			
Copper	1010		50.0	ug/L	1000	8.00 U	101	75-125			
Lead	1060		50.0	ug/L	1000	9.50 U	106	75-125			
Nickel	1040		50.0	ug/L	1000	9.00 U	104	75-125			
Silver	1040		50.0	ug/L	1000	9.50 U	104	75-125			
Vanadium	1040		50.0	ug/L	1000	7.00 U	104	75-125			
Zinc	1100		50.0	ug/L	1000	57.8	104	75-125			

Matrix Spike Dup (2J31014-MSD1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:45

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1070		50.0	ug/L	1000	14.0 U	107	75-125	1	20	
Barium	1090		50.0	ug/L	1000	5.00 U	109	75-125	0.6	20	
Beryllium	102		5.00	ug/L	100	0.500 U	102	75-125	0.6	20	
Cadmium	109		5.00	ug/L	100	1.80 U	109	75-125	0.7	20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J31014 - EPA 3005A

Matrix Spike Dup (2J31014-MSD1) Continued Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:45

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chromium	1010		50.0	ug/L	1000	5.00 U	101	75-125	0.2	20	
Cobalt	1080		50.0	ug/L	1000	5.50 U	108	75-125	0.1	20	
Copper	1020		50.0	ug/L	1000	8.00 U	102	75-125	1	20	
Lead	1060		50.0	ug/L	1000	9.50 U	106	75-125	0.2	20	
Nickel	1040		50.0	ug/L	1000	9.00 U	104	75-125	0.09	20	
Silver	1050		50.0	ug/L	1000	9.50 U	105	75-125	0.6	20	
Vanadium	1050		50.0	ug/L	1000	7.00 U	105	75-125	0.3	20	
Zinc	1170		50.0	ug/L	1000	57.8	111	75-125	6	20	

Post Spike (2J31014-PS1) Prepared: 10/31/2012 11:09 Analyzed: 11/02/2012 13:47

Source: C211482-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.207		0.0100	mg/L	0.200	0.00140	103	80-120			
Barium	0.210		0.0100	mg/L	0.200	0.000268	105	80-120			
Beryllium	0.0199		0.00100	mg/L	0.0200	-0.000121	100	80-120			
Cadmium	0.0211		0.00100	mg/L	0.0200	-0.000296	107	80-120			
Chromium	0.196		0.0100	mg/L	0.200	0.000201	98	80-120			
Cobalt	0.208		0.0100	mg/L	0.200	-0.000164	104	80-120			
Copper	0.198		0.0100	mg/L	0.200	0.00160	98	80-120			
Lead	0.205		0.0100	mg/L	0.200	-0.00242	104	80-120			
Nickel	0.201		0.0100	mg/L	0.200	0.00103	100	80-120			
Silver	0.207		0.0100	mg/L	0.200	0.000152	103	80-120			
Vanadium	0.203		0.0100	mg/L	0.200	1.32E-5	102	80-120			
Zinc	0.230		0.0100	mg/L	0.200	0.0116	109	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Jacksonville, FL 32216-6069
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102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Surface Waters
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 / Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Roland Murphy (S&ME)	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone:

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C212410

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	4112-SW1	10-26	17:20	G	SW	4	X	X	
	4112-SW2	10-26	16:20	G	SW	4	X	X	
	4112-SW3	10-26	16:00	G	SW	4	X	X	
	4112-SW4	10-26	16:50	G	SW	4	X	X	
	4112-SW5	10-26	15:15	G	SW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By: BS	Date/Time	Relinquished By	Date/Time	Received By: JMEstamper	Date/Time: 10/29/12 1030
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-787 1.6°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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APPENDIX III

NCDENR Environmental Monitoring Reporting Form

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

S&ME, Inc.

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

Name: Edmund Henriques Phone: 336-288-7180

E-mail: ehenriques@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
White Street Landfill - Phase II	North end of White Street, Greensboro, NC	41-03	.1600	October 25 -31, 2012

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☒ Detection Monitoring ☒ Assessment Monitoring ☒ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☒ Corrective action data (specify) MNA
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Edmund Q.B. Henriques — Environmental Department Manager — 336-288-7180

Facility Representative Name (Print) — Title — (Area Code) Telephone Number

Edmund Q.B. Henriques — 1-28-13 — Affix NC Licensed/Professional Geologist Seal

Signature — Date

NORTH CAROLINA LICENSED SEAL GEOLOGIST EDMUND Q.B. HENRIQUES

3718 Old Battleground Road, Greensboro, NC 27410

Facility Representative Address

S&ME Engineering License # F-0176, S&ME Geology License# C-145

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

APPENDIX IV
Additional Assessment Activity Records

TABLE IV-1A
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DETECTED VOLATILE ORGANIC COMPOUNDS
SELECT WELLS LOCATED WITHIN WHITE STREET LANDFILL - PHASE II
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	AOC II-2 Wells													**NC SWSL**	**NCAC 2L**
	Sample Locations														
Well ID	**II-2**	**II-2**	**II-2**	**II-2**	**II-2**	**II-2B**	**II-2B**	**II-2B**	**SMW-1**	**SMW-1**	**SMW-1**	**SMW-1**	**SMW-1**		**Std.**
Date Collected	4/1/10	10/6/10	5/10/11	10/12/11	10/31/12	1/14/10	4/29/10	8/3/10	8/2/10	10/11/10	10/7/11	4/19/12	10/25/12		
units	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethane	**16**	**17**	**16**	**12**	**11**	NA	NA	**NA**	ND	ND	ND	ND	ND	5	6
1,1-Dichloroethene	**0.45 J**	**0.49J**	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	5	7
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	**0.61 J**	**0.54 J**	**0.87 J**	ND	**0.94 J**	NA	NA	NA	ND	ND	ND	ND	ND	1	6
4-Methyl 2-Pentanone	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	100	ns
Acetone	ND	**5.2 J**	ND	ND	ND	NA	NA	NA	ND	**1.5 J**	ND	ND	ND	100	6,000
Benzene	**1.2**	**0.67 J**	ND	ND	ND	**1.2**	**1.1**	0.98J	ND	ND	ND	ND	ND	1	1
Chlorobenzene	**0.62 J**	**0.74 J**	**0.78 J**	**0.99 J**	**0.74 J**	NA	NA	NA	ND	ND	ND	ND	ND	3	50
Chloroethane	ND	**0.57 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	3,000
Chloromethane	ND	ND	ND	ND	ND	NA	NA	NA	**0.40 J**	ND	ND	ND	ND	1	3
cis 1,2-dichloroethene	**20**	**23**	**21**	**21**	**23**	**17**	**16**	**15**	ND	ND	ND	ND	ND	5	70
Tetrachloroethene	**4.2**	**3.6**	**2.9**	ND	**2.7**	NA	NA	NA	ND	ND	ND	ND	ND	1	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	600
Trichloroethene	**4.1**	**3.6**	**3.3**	ND	**2.9**	**2.5**	**2.5**	**2.8**	ND	ND	ND	ND	ND	1	3
Trichlorofluoromethane	**2.7**	**2.3**	**1.2**	ND	**0.88 J**	NA	NA	NA	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	**4.8**	**5.4**	**5.1**	**3.5**	**2.2**	**4**	**3.5**	**3.4**	ND	ND	ND	ND	ND	1	0.03
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	500

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit (minimum detection limits)
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange were detected above the 2L standards
NA = Parameter not analyzed during the specified event

TABLE IV-1B
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DETECTED VOLATILE ORGANIC COMPOUNDS
SELECT WELLS LOCATED WITHIN WHITE STREET LANDFILL - PHASE II
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	AOC II-6 Wells											
	Sample Locations										**NC SWSL**	**NCAC 2L Std.**
Well ID	**II-6**	**II-6**	**II-6**	**II-6**	**II-6**	**II-6**	**SMW-4**	**SMW-4**	**SMW-4**	**SMW-4**		
Date Collected	4/1/10	10/6/10	5/9/11	10/10/11	4/19/12	10/26/12	8/2/10	10/11/10	4/19/12	10/25/12		
units	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	7
1,2-Dichlorobenzene	**0.43 J**	**0.51 J**	ND	ND	ND	**0.50 J**	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	**3.4**	**4.7**	ND	**4.0**	**0.51 J**	**4.8**	ND	ND	ND	ND	1	6
4-Methyl 2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ns
Acetone	**5.4 J**	ND	ND	ND	ND	**9.8 J**	ND	ND	ND	ND	100	6,000
Benzene	**1.6**	**2.2**	ND	**2.4**	ND	**2.3**	ND	ND	ND	ND	1	1
Chlorobenzene	**4.5**	**7.4**	ND	**6.8**	**0.71 J**	**5.7**	ND	ND	ND	ND	3	50
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	3,000
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
cis 1,2-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	70
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	600
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.03
Xylenes (total)	**1.8 J**	**4.0 J**	ND	**5.5**	ND	**2.6 J**	ND	ND	ND	ND	5	500

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit (minimum detection limits)
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange were detected above the 2L standards

TABLE IV-1C
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DETECTED VOLATILE ORGANIC COMPOUNDS
SELECT WELLS LOCATED WITHIN WHITE STREET LANDFILL - PHASE II
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Southern E-Buffer Wells							
	Sample Locations						**NC SWSL**	**NCAC 2L Std**
Well ID	**II-1**	**II-1**	**II-1**	**II-1**	**II-1**	**II-1**		
Date Collected	4/1/10	10/6/10	5/9/11	10/10/11	4/17/12	10/26/12		
units	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethane	**2.3 J**	**3.0 J**	**1.1 J**	**1.7 J**	**1.2 J**	**1.6 J**	5	6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	5	7
1,2-Dichlorobenzene	ND	**0.43 J**	ND	ND	ND	0.41 J	5	20
1,4-Dichlorobenzene	**6.5**	**7.5**	**4.0**	**7.6**	**4.6**	**7.7**	1	6
4-Methyl 2-Pentanone	**5.1 J**	ND	ND	ND	ND	ND	100	ns
Acetone	ND	ND	ND	ND	ND	**3.3 J**	100	6,000
Benzene	**1.1**	**1.2**	**0.78 J**	**0.98 J**	**0.91 J**	**1.5**	1	1
Chlorobenzene	**2.2 J**	**3.2**	**1.2 J**	**4.0**	**2.0**	**3.5**	3	50
Chloroethane	**0.95 J**	**1.6 J**	ND	ND	ND	ND	10	3,000
Chloromethane	ND	ND	ND	ND	ND	ND	1	3
cis 1,2-dichloroethene	**3.3 J**	**4.2 J**	**0.88 J**	ND	**2.1 J**	**3.0 J**	5	70
Tetrachloroethene	ND	ND	ND	ND	ND	ND	1	0.7
Toluene	ND	ND	ND	ND	ND	ND	1	600
Trichloroethene	**0.53 J**	**0.48 J**	ND	ND	ND	ND	1	3
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	**0.90 J**	**1.4**	ND	ND	**0.52 J**	**1.3**	1	0.03
Xylenes (total)	ND	ND	ND	ND	ND	ND	5	500

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit (minimum detection limits)
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange were detected above the 2L standards

TABLE IV-1D
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
DETECTED VOLATILE ORGANIC COMPOUNDS
SELECT WELLS LOCATED WITHIN WHITE STREET LANDFILL - PHASE II
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Northern Ebuffer Wells									**NC SWSL**	**NCAC 2L**
	Sample Locations										**Std.**
Well ID	**II-9**	**II-9**	**II-9**	**II-9**	**SMW-3**	**SMW-3**	**SMW-3**	**SMW-3**	**SMW-3**		
Date Collected	4/29/10	10/7/11	4/19/12	10/25/12	8/2/10	10/11/10	10/7/11	4/19/12	10/23/12		
units	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethane	ND	**5.8**	**6.9**	**9.6**	**4.2 J**	**3.8 J**	**0.88 J**	**5.4**	**5.0**	5	6
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	7
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	6
4-Methyl 2-Pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ns
Acetone	ND	ND	ND	ND	**3.0 J**	ND	ND	ND	ND	100	6,000
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	50
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	3,000
Chloromethane	ND	ND	ND	ND	**0.44 J**	**0.61 J**	ND	ND	ND	1	3
cis 1,2-dichloroethene	**11**	**16**	**16**	**24**	**6.9**	**7.8**	**1.2 J**	**12**	**12**	5	70
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.7
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	600
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
Trichlorofluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	**0.66 J**	**0.69 J**	**1.0 J**	**2.4**	**0.49 J**	**0.68 J**	ND	ND	ND	1	0.03
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	500

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit (minimum detection limits)
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange were detected above the 2L standards

TABLE VI-3A
GROUNDWATER ANALYTICAL RESULTS SUMMARY
COMPLIANCE WELL AREA II-3
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	II-3 4/30/2010 (ug/L)	II-3 10/8/2010 (ug/L)	II-3 5/1/2011 (ug/L)	II-3 10/7/2011 (ug/L)	II-3 4/17/2012 (ug/L)	II-3 10/24/2012 (ug/L)	II-3B 6/15/2011 (ug/L)	II-3B 10/7/2011 (ug/L)	II-3B 4/17/2012 (ug/L)	II-3B 10/25/2012 (ug/L)	NC SWSL (ug/L)	NCAC 2L Std. (ug/L)
1,1-Dichloroethane	**15**	**15**	**14**	**11**	**12**	**14**	**0.95 J**	**0.88 J**	not sampled	**0.90 J**	5	6
Acetone	ND	ND	ND	ND	ND	ND	**4.9 J**	ND	not sampled	ND	100	6,000
Benzene	**0.80 J**	**0.96 J**	ND	**1.1**	**1.1**	**1.4**	ND	ND	not sampled	ND	1	1
Chloroethane	**1.6 J**	**1.6 J**	ND	ND	ND	ND	**0.86 J**	ND	not sampled	ND	10	3,000
cis 1,2-dichloroethene	**0.66 J**	**0.88 J**	**1.7 J**	ND	**0.66 J**	**0.73 J**	ND	ND	not sampled	ND	5	70
Vinyl Chloride	ND	**0.44 J**	ND	ND	ND	ND	ND	ND	not sampled	ND	1	0.03

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
NC SWSL= North Carolina Solid Waste Section Limit
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange are greater than the current NCAC 2L groundwater quality standards

NOTE: Prior to January 1, 2010 the NCAC 2L standard for 1,1-dichloroethane was 70 ug/L

TABLE IV-3B
GROUNDWATER ANALYTICAL RESULTS SUMMARY
COMPLIANCE WELL AREA II-3
DETECTED INORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	II-3B 6/15/2011 (ug/L)	II-3B 10/7/2011 (ug/L)	II-3B 10/25/2012 (ug/L)	NC SWSL (ug/L)	NCAC 2L Std. (ug/L)	NC IMAC (ug/L)
Antimony	ND	ND	ND	6	ns	1
Arsenic	ND	ND	**7.21 J**	10	10	
Barium	**206**	**202**	**169**	100	700	
Chromium	**1.52 J**	**7.42 J**	ND	10	10	
Cobalt	**5.26 J**	**7.05 J**	**2.31 J**	10	ns	1
Copper	**4.56 J**	**2.62 J**	ND	10	1000	
Lead	**3.61 J**	ND	ND	10	15	
Nickel	**7.27 J**	**8.29 J**	**4.38 J**	50	100	
Selenium	**5.88 J**	**3.59 J**	ND	10	20	
Thallium	ND	**0.154 J**	ND	5.5	ns	0.28
Vanadium	**1.95 J**	**8.23 J**	ND	25	ns	0.3
Zinc	**14**	**5.78 J**	**3.91 J**	10	1000	

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit
NCAC 2L std. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
Quantities highlighted in orange were detected above the 2L standards
Blue highlights indicate a measurement higher than the NC Interim Maximum Allowable Concentrations (IMAC)

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Wednesday, November 7, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill App Is (SMWs)
ENCO Workorder(s): C212405

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 26, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 26.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-SMW4 **Lab ID: C212405-01** **Sampled: 10/25/12 14:45** **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/23/13	10/30/12 11:29	11/1/2012 13:51
EPA 6020A	04/23/13	10/30/12 13:37	11/6/2012 12:35
EPA 8260B	11/08/12	11/02/12 11:59	11/2/2012 22:26

Client ID: 4103-SMW1 **Lab ID: C212405-02** **Sampled: 10/25/12 10:40** **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/23/13	10/30/12 11:29	11/1/2012 14:16
EPA 6020A	04/23/13	10/30/12 13:37	11/6/2012 12:15
EPA 8260B	11/08/12	11/02/12 11:59	11/2/2012 22:56

Client ID: 4103-SMW3 **Lab ID: C212405-03** **Sampled: 10/25/12 13:35** **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/23/13	10/30/12 11:29	11/1/2012 14:18
EPA 6020A	04/23/13	10/30/12 13:37	11/6/2012 12:39
EPA 8260B	11/08/12	11/02/12 11:59	11/2/2012 23:25

Client ID: 4103-II3B **Lab ID: C212405-04** **Sampled: 10/25/12 09:30** **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/23/13	10/30/12 11:29	11/1/2012 14:20
EPA 6020A	04/23/13	10/30/12 13:37	11/6/2012 12:43
EPA 8260B	11/08/12	11/02/12 11:59	11/2/2012 23:54

Client ID: 4103-II9 **Lab ID: C212405-05** **Sampled: 10/25/12 09:30** **Received: 10/26/12 11:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/23/13	10/30/12 11:29	11/1/2012 14:22
EPA 6020A	04/23/13	10/30/12 13:37	11/6/2012 12:47
EPA 8260B	11/08/12	11/02/12 11:59	11/3/2012 00:23

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-SMW4 **Lab ID: C212405-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.483	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	134		1	1.00	10.0	100	ug/L	EPA 6010C	
Lead - Total	3.63	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.98	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	1.55	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	5.97	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-SMW1 **Lab ID: C212405-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.220	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	6.54	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	128		1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	1.62		1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	2.52	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	10.3		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	5.37	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.22	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.34	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	8.05	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	272		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-SMW3 **Lab ID: C212405-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	5.0		1	0.13	1.0	5	ug/L	EPA 8260B	
Barium - Total	180		1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	12		1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	1.92	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.94	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	5.40	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.39	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II3B **Lab ID: C212405-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.90	J	1	0.13	1.0	5	ug/L	EPA 8260B	
Arsenic - Total	7.21	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	169		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	2.31	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.38	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	3.91	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II9 **Lab ID: C212405-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	9.6		1	0.13	1.0	5	ug/L	EPA 8260B	
Arsenic - Total	3.53	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	90.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.90	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	24		1	0.15	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	4.48	J	1	1.10	10.0	10	ug/L	EPA 6010C	

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Client ID: 4103-II9								Lab ID: C212405-05	
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Copper - Total	6.12	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.97	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	4.50	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	2.4		1	0.32	1.0	1	ug/L	EPA 8260B	
Zinc - Total	29.8		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4103-SMW4 **Lab Sample ID:** C212405-01 **Received:** 10/26/12 11:30

Matrix: Ground Water **Sampled:** 10/25/12 14:45 **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/12 22:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/12 22:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/12 22:26	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/12 22:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/12 22:26	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/12 22:26	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/12 22:26	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/12 22:26	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/12 22:26	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/12 22:26	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/12 22:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 22:26	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/12 22:26	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 22:26	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/12 22:26	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/12 22:26	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 22:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/12 22:26	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:26	JKG	

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Description: 4103-SMW4
Matrix: Ground Water
Project: White Street Landfill App Is (SMWs)

Lab Sample ID: C212405-01
Sampled: 10/25/12 14:45
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212405

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/12 22:26	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/12 22:26	JKG	
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/12 22:26	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/02/12 22:26*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/02/12 22:26*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/02/12 22:26*	*JKG*	

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Description: 4103-SMW4 | **Lab Sample ID:** C212405-01 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 14:45 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.483**	J	ug/L	1	0.220	2.00	6	EPA 6020A	11/06/12 12:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Barium [7440-39-3] ^	**134**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 13:51	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 13:51	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 13:51	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Lead [7439-92-1] ^	**3.63**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Nickel [7440-02-0] ^	**2.98**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 13:51	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/06/12 12:35	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 13:51	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/06/12 12:35	VLO	
Vanadium [7440-62-2] ^	**1.55**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 13:51	JDH	
Zinc [7440-66-6] ^	**5.97**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 13:51	JDH	

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Description: 4103-SMW1 | **Lab Sample ID:** C212405-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 10:40 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/12 22:56	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,1-Dichloroethane [75-34-3] ^	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/12 22:56	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/12 22:56	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/12 22:56	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/12 22:56	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/12 22:56	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/12 22:56	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/12 22:56	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/12 22:56	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/12 22:56	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/12 22:56	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 22:56	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/12 22:56	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 22:56	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/12 22:56	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/12 22:56	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 22:56	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/12 22:56	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/12 22:56	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/12 22:56	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/12 22:56	JKG	

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Description: 4103-SMW1 | **Lab Sample ID:** C212405-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 10:40 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/12 22:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/02/12 22:56*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/02/12 22:56*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/02/12 22:56*	*JKG*	

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Description: 4103-SMW1 | **Lab Sample ID:** C212405-02 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 10:40 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.220**	J	ug/L	1	0.220	2.00	6	EPA 6020A	11/06/12 12:15	VLO	
Arsenic [7440-38-2] ^	**6.54**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Barium [7440-39-3] ^	**128**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:16	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:16	JDH	
Cadmium [7440-43-9] ^	**1.62**		ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:16	JDH	
Chromium [7440-47-3] ^	**2.52**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Cobalt [7440-48-4] ^	**10.3**		ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Copper [7440-50-8] ^	**5.37**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Lead [7439-92-1] ^	**4.22**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Nickel [7440-02-0] ^	**3.34**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:16	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/06/12 12:15	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:16	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/06/12 12:15	VLO	
Vanadium [7440-62-2] ^	**8.05**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:16	JDH	
Zinc [7440-66-6] ^	**272**		ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:16	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-SMW3 | **Lab Sample ID:** C212405-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 13:35 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/12 23:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**5.0**		ug/L	1	0.13	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/12 23:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/12 23:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/12 23:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/12 23:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/12 23:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/12 23:25	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/12 23:25	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/12 23:25	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/12 23:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/12 23:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 23:25	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/12 23:25	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**12**		ug/L	1	0.15	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 23:25	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/12 23:25	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/12 23:25	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 23:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/12 23:25	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/12 23:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/12 23:25	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/12 23:25	JKG	

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Description: 4103-SMW3 | **Lab Sample ID:** C212405-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 13:35 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/12 23:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/02/12 23:25*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/02/12 23:25*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/02/12 23:25*	*JKG*	

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Description: 4103-SMW3 | **Lab Sample ID:** C212405-03 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 13:35 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/06/12 12:39	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Barium [7440-39-3] ^	**180**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:18	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Cobalt [7440-48-4] ^	**1.92**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Lead [7439-92-1] ^	**3.94**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:18	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/06/12 12:39	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/06/12 12:39	VLO	
Vanadium [7440-62-2] ^	**5.40**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:18	JDH	
Zinc [7440-66-6] ^	**4.39**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:18	JDH	

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Description: 4103-II3B
Matrix: Ground Water
Project: White Street Landfill App Is (SMWs)

Lab Sample ID: C212405-04
Sampled: 10/25/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212405

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/02/12 23:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.90**	J	ug/L	1	0.13	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/02/12 23:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/02/12 23:54	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/02/12 23:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/02/12 23:54	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/02/12 23:54	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/02/12 23:54	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/02/12 23:54	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/02/12 23:54	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/02/12 23:54	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/02/12 23:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 23:54	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/02/12 23:54	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/02/12 23:54	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/02/12 23:54	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/02/12 23:54	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/02/12 23:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/02/12 23:54	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/02/12 23:54	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/02/12 23:54	JKG	
Vinyl chloride [75-01-4] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	11/02/12 23:54	JKG	

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Description: 4103-II3B
Matrix: Ground Water
Project: White Street Landfill App Is (SMWs)

Lab Sample ID: C212405-04
Sampled: 10/25/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212405

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/02/12 23:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*109 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/02/12 23:54*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/02/12 23:54*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/02/12 23:54*	*JKG*	

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Description: 4103-II3B
Matrix: Ground Water
Project: White Street Landfill App Is (SMWs)

Lab Sample ID: C212405-04
Sampled: 10/25/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 11:30
Work Order: C212405

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/06/12 12:43	VLO	
Arsenic [7440-38-2] ^	**7.21**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Barium [7440-39-3] ^	**169**		ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:20	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:20	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:20	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Cobalt [7440-48-4] ^	**2.31**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Nickel [7440-02-0] ^	**4.38**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:20	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/06/12 12:43	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:20	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/06/12 12:43	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:20	JDH	
Zinc [7440-66-6] ^	**3.91**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:20	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: 4103-II9 | **Lab Sample ID:** C212405-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 09:30 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	11/03/12 00:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,1-Dichloroethane [75-34-3] ^	**9.6**		ug/L	1	0.13	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	11/03/12 00:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.19	U	ug/L	1	0.19	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.21	U	ug/L	1	0.21	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	11/03/12 00:23	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	11/03/12 00:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	11/03/12 00:23	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	11/03/12 00:23	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	11/03/12 00:23	JKG	
Benzene [71-43-2] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Bromochloromethane [74-97-5] ^	0.48	U	ug/L	1	0.48	1.0	3	EPA 8260B	11/03/12 00:23	JKG	
Bromodichloromethane [75-27-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Bromoform [75-25-2] ^	0.22	U	ug/L	1	0.22	1.0	3	EPA 8260B	11/03/12 00:23	JKG	
Bromomethane [74-83-9] ^	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	11/03/12 00:23	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	11/03/12 00:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Chlorobenzene [108-90-7] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 00:23	JKG	
Chloroethane [75-00-3] ^	0.23	U	ug/L	1	0.23	1.0	10	EPA 8260B	11/03/12 00:23	JKG	
Chloroform [67-66-3] ^	0.18	U	ug/L	1	0.18	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
Chloromethane [74-87-3] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**24**		ug/L	1	0.15	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Dibromochloromethane [124-48-1] ^	0.17	U	ug/L	1	0.17	1.0	3	EPA 8260B	11/03/12 00:23	JKG	
Dibromomethane [74-95-3] ^	0.27	U	ug/L	1	0.27	1.0	10	EPA 8260B	11/03/12 00:23	JKG	
Ethylbenzene [100-41-4] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	11/03/12 00:23	JKG	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Styrene [100-42-5] ^	0.11	U	ug/L	1	0.11	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Tetrachloroethene [127-18-4] ^	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Toluene [108-88-3] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	11/03/12 00:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	11/03/12 00:23	JKG	
Trichloroethene [79-01-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Trichlorofluoromethane [75-69-4] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	11/03/12 00:23	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	11/03/12 00:23	JKG	
Vinyl chloride [75-01-4] ^	**2.4**		ug/L	1	0.32	1.0	1	EPA 8260B	11/03/12 00:23	JKG	

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Description: 4103-II9 | **Lab Sample ID:** C212405-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 09:30 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.45	U	ug/L	1	0.45	3.0	5	EPA 8260B	11/03/12 00:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*54*	*1*	*50.0*	*108 %*	*51-122*	*2K02019*	*EPA 8260B*	*11/03/12 00:23*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*2K02019*	*EPA 8260B*	*11/03/12 00:23*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*67-127*	*2K02019*	*EPA 8260B*	*11/03/12 00:23*	*JKG*	

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Description: 4103-II9 | **Lab Sample ID:** C212405-05 | **Received:** 10/26/12 11:30

Matrix: Ground Water | **Sampled:** 10/25/12 09:30 | **Work Order:** C212405

Project: White Street Landfill App Is (SMWs) | **Sampled By:** Gary Simcox

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	11/06/12 12:47	VLO	
Arsenic [7440-38-2] ^	**3.53**	J	ug/L	1	2.80	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Barium [7440-39-3] ^	**90.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/01/12 14:22	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/01/12 14:22	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/01/12 14:22	JDH	
Chromium [7440-47-3] ^	**1.90**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Cobalt [7440-48-4] ^	**4.48**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Copper [7440-50-8] ^	**6.12**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Lead [7439-92-1] ^	**2.97**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/01/12 14:22	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	11/06/12 12:47	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/01/12 14:22	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	11/06/12 12:47	VLO	
Vanadium [7440-62-2] ^	**4.50**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/01/12 14:22	JDH	
Zinc [7440-66-6] ^	**29.8**		ug/L	1	3.80	10.0	10	EPA 6010C	11/01/12 14:22	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02019 - EPA 5030B_MS

Blank (2K02019-BLK1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.17	U	1.0	ug/L							
1,1,1-Trichloroethane	0.12	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.28	U	1.0	ug/L							
1,1,2-Trichloroethane	0.14	U	1.0	ug/L							
1,1-Dichloroethane	0.13	U	1.0	ug/L							
1,1-Dichloroethene	0.21	U	1.0	ug/L							
1,2,3-Trichloropropane	0.23	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.19	U	1.0	ug/L							
1,2-Dichloroethane	0.21	U	1.0	ug/L							
1,2-Dichloropropane	0.10	U	1.0	ug/L							
1,4-Dichlorobenzene	0.19	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.15	U	1.0	ug/L							
Bromochloromethane	0.48	U	1.0	ug/L							
Bromodichloromethane	0.17	U	1.0	ug/L							
Bromoform	0.22	U	1.0	ug/L							
Bromomethane	0.14	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.17	U	1.0	ug/L							
Chlorobenzene	0.17	U	1.0	ug/L							
Chloroethane	0.23	U	1.0	ug/L							
Chloroform	0.18	U	1.0	ug/L							
Chloromethane	0.13	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.15	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20	U	1.0	ug/L							
Dibromochloromethane	0.17	U	1.0	ug/L							
Dibromomethane	0.27	U	1.0	ug/L							
Ethylbenzene	0.13	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.23	U	1.0	ug/L							
Styrene	0.11	U	1.0	ug/L							
Tetrachloroethene	0.17	U	1.0	ug/L							
Toluene	0.14	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.21	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.15	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.15	U	1.0	ug/L							
Trichlorofluoromethane	0.24	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.32	U	1.0	ug/L							
Xylenes (Total)	0.45	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 2K02019 - EPA 5030B_MS

Blank (2K02019-BLK1) Continued Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*99*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*67-127*			

LCS (2K02019-BS1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 16:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	20		1.0	ug/L	20.0		99	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		90	71-118			
Trichloroethene	20		1.0	ug/L	20.0		98	74-119			

Matrix Spike (2K02019-MS1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 16:32

Source: C212891-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	110	75-133			
Benzene	21		1.0	ug/L	20.0	0.15 U	106	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	100	83-117			
Toluene	19		1.0	ug/L	20.0	0.14 U	93	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119			

Matrix Spike Dup (2K02019-MSD1) Prepared: 11/02/2012 11:59 Analyzed: 11/02/2012 17:02

Source: C212891-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.21 U	108	75-133	2	20	
Benzene	21		1.0	ug/L	20.0	0.15 U	104	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	98	83-117	1	16	
Toluene	19		1.0	ug/L	20.0	0.14 U	94	71-118	0.8	17	
Trichloroethene	20		1.0	ug/L	20.0	0.15 U	102	74-119	0.4	22	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

Blank (2J30018-BLK1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 14:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

Blank (2J30018-BLK1) Continued Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 14:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (2J30018-BS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	198		10.0	ug/L	200		99	80-120			
Barium	194		10.0	ug/L	200		97	80-120			
Beryllium	19.2		1.00	ug/L	20.0		96	80-120			
Cadmium	20.4		1.00	ug/L	20.0		102	80-120			
Chromium	193		10.0	ug/L	200		97	80-120			
Cobalt	201		10.0	ug/L	200		101	80-120			
Copper	191		10.0	ug/L	200		96	80-120			
Lead	198		10.0	ug/L	200		99	80-120			
Nickel	194		10.0	ug/L	200		97	80-120			
Silver	193		10.0	ug/L	200		96	80-120			
Vanadium	195		10.0	ug/L	200		97	80-120			
Zinc	190		10.0	ug/L	200		95	80-120			

Matrix Spike (2J30018-MS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:54

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	197		10.0	ug/L	200	2.80 U	99	75-125			
Barium	326		10.0	ug/L	200	134	96	75-125			
Beryllium	19.7		1.00	ug/L	20.0	0.100 U	98	75-125			
Cadmium	20.3		1.00	ug/L	20.0	0.360 U	101	75-125			
Chromium	195		10.0	ug/L	200	1.00 U	98	75-125			
Cobalt	200		10.0	ug/L	200	1.10 U	100	75-125			
Copper	196		10.0	ug/L	200	1.60 U	98	75-125			
Lead	197		10.0	ug/L	200	3.63	97	75-125			
Nickel	195		10.0	ug/L	200	2.98	96	75-125			
Silver	196		10.0	ug/L	200	1.90 U	98	75-125			
Vanadium	201		10.0	ug/L	200	1.55	100	75-125			
Zinc	206		10.0	ug/L	200	5.97	100	75-125			

Matrix Spike Dup (2J30018-MSD1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:56

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200	2.80 U	100	75-125	2	20	
Barium	320		10.0	ug/L	200	134	93	75-125	2	20	
Beryllium	19.3		1.00	ug/L	20.0	0.100 U	96	75-125	2	20	
Cadmium	20.1		1.00	ug/L	20.0	0.360 U	101	75-125	0.8	20	
Chromium	191		10.0	ug/L	200	1.00 U	96	75-125	2	20	
Cobalt	198		10.0	ug/L	200	1.10 U	99	75-125	0.9	20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30018 - EPA 3005A

Matrix Spike Dup (2J30018-MSD1) Continued Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:56

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Copper	192		10.0	ug/L	200	1.60 U	96	75-125	2	20	
Lead	196		10.0	ug/L	200	3.63	96	75-125	0.7	20	
Nickel	191		10.0	ug/L	200	2.98	94	75-125	2	20	
Silver	191		10.0	ug/L	200	1.90 U	96	75-125	2	20	
Vanadium	198		10.0	ug/L	200	1.55	98	75-125	2	20	
Zinc	205		10.0	ug/L	200	5.97	99	75-125	0.8	20	

Post Spike (2J30018-PS1) Prepared: 10/30/2012 11:29 Analyzed: 11/01/2012 13:58

Source: C212405-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.196		0.0100	mg/L	0.200	-0.00223	99	80-120			
Barium	0.319		0.0100	mg/L	0.200	0.134	92	80-120			
Beryllium	0.0192		0.00100	mg/L	0.0200	-4.28E-5	96	80-120			
Cadmium	0.0200		0.00100	mg/L	0.0200	0.000125	99	80-120			
Chromium	0.191		0.0100	mg/L	0.200	0.000543	95	80-120			
Cobalt	0.196		0.0100	mg/L	0.200	0.000528	98	80-120			
Copper	0.192		0.0100	mg/L	0.200	-6.45E-5	96	80-120			
Lead	0.196		0.0100	mg/L	0.200	0.00363	96	80-120			
Nickel	0.191		0.0100	mg/L	0.200	0.00298	94	80-120			
Silver	0.202		0.0100	mg/L	0.200	0.000268	101	80-120			
Vanadium	0.197		0.0100	mg/L	0.200	0.00155	98	80-120			
Zinc	0.205		0.0100	mg/L	0.200	0.00597	100	80-120			

Batch 2J30026 - EPA 3005A

Blank (2J30026-BLK1) Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 11:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (2J30026-BS1) Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 11:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201		2.00	ug/L	200		100	80-120			
Selenium	219		1.00	ug/L	200		110	80-120			
Thallium	215		1.00	ug/L	200		107	80-120			

Matrix Spike (2J30026-MS1) Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 12:19

Source: C212405-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	201		2.00	ug/L	200	0.220 U	100	75-125			
Selenium	211		1.00	ug/L	200	0.830 U	106	75-125			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 2J30026 - EPA 3005A

Matrix Spike (2J30026-MS1) Continued Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 12:19

Source: C212405-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	212		1.00	ug/L	200	0.110 U	106	75-125			

Matrix Spike Dup (2J30026-MSD1) Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 12:23

Source: C212405-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	198		2.00	ug/L	200	0.220 U	99	75-125	1	20	
Selenium	213		1.00	ug/L	200	0.830 U	107	75-125	0.9	20	
Thallium	208		1.00	ug/L	200	0.110 U	104	75-125	2	20	

Post Spike (2J30026-PS1) Prepared: 10/30/2012 13:37 Analyzed: 11/06/2012 12:27

Source: C212405-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	209		2.00	ug/L	200	0.220	104	80-120			
Selenium	220		1.00	ug/L	200	0.459	110	80-120			
Thallium	207		1.00	ug/L	200	0.0290	104	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

www.encolabs.com

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 111
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(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App B (SMWs)
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox / S & ME, Inc.	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C212405

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Sample Comments
	4103-SMW4	10/25/12	1445	G	GW	4	X	X	
	4103-SMW1	10/25/12	1040	G	GW	4	X	X	
	4103-SMW3	10/25/12	1335	G	GW	4	X	X	
	4103-II3B	10/25/12	0930	G	GW	4	X	X	
	4103-II9	10/25/12	1200	G	GW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By: BW	Date/Time: 10/26/12 11:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.3°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

TABLE IV-2A
GROUNDWATER ANALYTICAL RESULTS SCREENING
OF ANAEROBIC BIODEGRADATION PROCESSES
SENTINEL WELL II-1
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Parameters	April 2007	Point Value	October 2009	Point Value	January 2010	Point Value	April 2010	Point Value	August 2010	Point Value	October 2012	Point Value
Temperature (ºC)	13.36	0	13.46	0	7.07	0	13.88	0	20.34	1	15.93	1
pH (s.u.)	6.33	0	8.58	0	10.61	-2	6.23	0	6.87	0	7.48	0
Oxygen (mg/L)	0.47	3	0.74	2	1.74	0	0.51	2	0.49	3	1.43	0
ORP	-316	2	46	1	15	1	245	0	186	0	95	1
Iron, Ferrous (mg/L)	0.042	0	3.3	3	0.34	0	0.66	0	3.3	3	1.45	3
Dissolved Hydrogen	NA		0.68	0	2.1	3	4.10	3	4.8	3	NM	0
Chloride (mg/L)	450	2	410	2	520	2	390	2	410	2	570	2
Nitrate (mg/L)	0.015	2	0.028	2	0.025	2	BQL	0	0.062	2	36	2
Sulfate (mg/L)	25	0	12	2	18	2	14	2	12	2	11	2
Sulfide (mg/L)	0.1	0	BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Alkalinity (mg/L)	NA		320	1	390	1	350	1	580	1	740	1
Total Organic Carbon (mg/L)	15	0	30	2	30	2	23	2	34	2	45	2
Carbon Dioxide (mg/L)	NA		733	1	525	1	544	1	829	1	1170	1
Ethane/Ethene (mg/L)	NA		BQL	0	BQL	0	0.0007	0	BQL	0	BQL	0
Methane (mg/L)	0.135	0	0.266	0	0.0009	0	0.007	0	0.213	0	0.351	0
Volatile Fatty Acids (mg/L)	NA		28.4	2	29.8	2	BQL	0	2.600	2	50.02	2
BTEX (ug/L)	BQL	0	1.4	2	0.99	2	0.72	2	1.4	2	1.5	2
Trichloroethene (ug/L)	BQL	0	0.91	0	0.41	0	0.55	0	0.62	0	BQL	0
Dichloroethene (ug/L)	BQL	0	3.0	0	2.2	0	BQL	0	4.9	0	3.0	0
Vinyl Chloride (ug/L)	BQL	0	1.6	0	BQL	0	0.49	0	1.5	0	1.3	0
1,1,1 Trichloroethane (ug/L)	BQL	0	BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Chloroethane (ug/L)	BQL	0	1.7	0	BQL	0	0.74	0	1.5	0	BQL	0
Total Point Value Score	--	**9**		**20**	--	**16**	--	**15**	--	**24**	--	**19**

Interpretation of Points Awarded

0 to 5 = Inadequate evidence of anaerobic biodegradation of chlorinated organics

6 to 14 = Limited evidence for anaerobic biodegradation of chlorinated organics

14 to 20 = Adequate evidence for anaerobic biodegradation of chlorinated organics

> 20 = Strong evidence of anaerobic biodegradation of chlorinated organics

BQL = Below Quantitation Limits

Orange shaded cells = points awarded only if the compound is a daughter product

NA = Not analyzed for parameter

TABLE IV-2B
GROUNDWATER ANALYTICAL RESULTS SCREENING
OF ANAEROBIC BIODEGRADATION PROCESSES
MONITORING WELL II-9
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Parameters	April 2007	Point Value	October 2009	Point Value	January 2010	Point Value	April 2010	Point Value	August 2010	Point Value	October 2012	Point Value
Temperature (ºC)	15.37	0	14.77	0	11.28	0	16.37	0	20.45	1	14.03	0
pH (s.u.)	5.51	0	9.25	-2	6.23	0	6.14	0	7.03	0	6.99	0
Oxygen (mg/L)	0.19	3	0.36	3	1.02	0	0.81	1	0.15	3	0.47	3
ORP	-319	2	-46	1	75	0	367	0	274	0	180	0
Iron, Ferrous (mg/L)	0.042	0	0.39	0	0.07	0	0.06	0	0.08	0	NA	0
Dissolved Hydrogen	NA		1.1	3	BQL	0	3.6	3	0.89	2	NA	0
Chloride (mg/L)	6	0	10	2	6.5	2	12	2	11	2	12	2
Nitrate (mg/L)	0.41	2	0.077	2	0.25	2	0.12	2	0.130	2	BQL	2
Sulfate (mg/L)	40	0	16	2	51	0	27	0	15	2	12	2
Sulfide (mg/L)	0.1	0	BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Alkalinity (mg/L)	NA		190	1	92	1	110	1	320	1	360	1
Total Organic Carbon (mg/L)	9.2	0	2.5	0	4.1	0	4.5	0	3.000	0	1.7	0
Carbon Dioxide (mg/L)	NA		280	1	201	1	295	1	307	1	394	1
Ethane/Ethene (mg/L)	NA		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Methane (mg/L)	0.002	0	0.085	0	0.0009	0	0.006	0	0.030	3	0.00348	0
Volatile Fatty Acids (mg/L)	NA		0.39	2	BQL	0	0.95	2	BQL	0	BQL	0
BTEX (ug/L)	BQL	0	NA		BQL	0	BQL	0	BQL	0	BQL	0
Trichloroethene (ug/L)	BQL	0	NA		BQL	0	BQL	0	BQL	0	BQL	0
Dichloroethene (ug/L)	BQL	0	NA		4.2	0	11	0	20	0	BQL	0
Vinyl Chloride (ug/L)	BQL	0	NA		BQL	0	0.66	0	2.6	0	2.4	0
1,1,1 Trichloroethane (ug/L)	BQL	0	NA		BQL	0	BQL	0	BQL	0	BQL	0
Chloroethane (ug/L)	BQL	0	NA		BQL	0	BQL	0	0.46	2	BQL	0
Total Point Value Score	--	**7**		**15**	--	**6**	--	**12**	--	**19**	--	**11**

Interpretation of Points Awarded

0 to 5 = Inadequate evidence of anaerobic biodegradation of chlorinated organics

6 to 14 = Limited evidence for anaerobic biodegradation of chlorinated organics

14 to 20 = Adequate evidence for anaerobic biodegradation of chlorinated organics

> 20 = Strong evidence of anaerobic biodegradation of chlorinated organics

BQL = Below Quantitation Limits

Orange shaded cells = points awarded only if the compound is a daughter product

NA = Not analyzed for parameter

TABLE IV-2C
GROUNDWATER ANALYTICAL RESULTS SCREENING
OF ANAEROBIC BIODEGRADATION PROCESSES
SENTINEL WELL SMW-3
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Parameters	October 2012	Point Value										
Temperature (ºC)	16.81	0										
pH (s.u.)	7.38	0										
Oxygen (mg/L)	1.11	0										
ORP	181	0										
Iron, Ferrous (mg/L)	NA	0										
Dissolved Hydrogen	NA	0										
Chloride (mg/L)	6.1	2										
Nitrate (mg/L)	BQL	2										
Sulfate (mg/L)	22	0								2		2
Sulfide (mg/L)	BQL	0										
Alkalinity (mg/L)	230	1										
Total Organic Carbon (mg/L)	1.2	0										
Carbon Dioxide (mg/L)	153	0										
Ethane/Ethene (mg/L)	BQL	0										
Methane (mg/L)	0.073	0										
Volatile Fatty Acids (mg/L)	0.014	0										
BTEX (ug/L)	BQL	0										
Trichloroethene (ug/L)	BQL	0										
Dichloroethene (ug/L)	12	0										
Vinyl Chloride (ug/L)	BQL	0										
1,1,1 Trichloroethane (ug/L)	BQL	0										
Chloroethane (ug/L)	BQL	0										
Total Point Value Score	--	**5**										

Interpretation of Points Awarded

0 to 5 = Inadequate evidence of anaerobic biodegradation of chlorinated organics

6 to 14 = Limited evidence for anaerobic biodegradation of chlorinated organics

14 to 20 = Adequate evidence for anaerobic biodegradation of chlorinated organics

> 20 = Strong evidence of anaerobic biodegradation of chlorinated organics

BQL = Below Quantitation Limits

Orange shaded cells = points awarded only if the compound is a daughter product

NA = Not analyzed for parameter

TABLE IV-2D
GROUNDWATER ANALYTICAL RESULTS SCREENING
OF ANAEROBIC BIODEGRADATION PROCESSES
BACKGROUND WELL MW-14
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Parameters	Average	October 2009	Point Value	January 2010	Point Value	April 2010	Point Value	August 2010	Point Value	October 2012	Point Value
Temperature (°C)		18.5	0	14.41	0	21.23	1	21.23	1	26.91	1
pH (s.u.)	6.29	8.69	0	5.78	0	5.35	0	5.35	0	6.43	0
Oxygen (mg/L)	3.72	3.47	0	1.56	0	4.92	0	4.92	0	2.30	0
ORP	257	37	1	99	0	446	0	446	0	235	0
Iron, Ferrous (mg/L)	0.023	0.01	0	0.04	0	0.02	0	0.02	0	0.02	0
Dissolved Hydrogen		1	2	BQL	0	3.4	3	0.82	0	NA	0
Chloride (mg/L)	3.25	3.3	0	2.1	0	3.9	0	3.700	0	2.6	0
Nitrate (mg/L)		0.017	2	BQL	2	BQL	2	BQL	2	BQL	2
Sulfate (mg/L)		2	2	1.2	2	BQL	2	1.500	2	2	2
Sulfide (mg/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Alkalinity (mg/L)	20	19	0	23	0	16	0	20	0	24	0
Total Organic Carbon (mg/L)		BQL	0	BQL	0	0.32	0	0.400	2	0.550	2
Carbon Dioxide (mg/L)	98	85.5	0	71.4	0	111	0	126	0	138	0
Ethane/Ethene (mg/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Methane (mg/L)		0.001	0	0.001	0	BQL	0	BQL	0	BQL	0
Volatile Fatty Acids (mg/L)		0.58	2	BQL	0	BQL	0	BQL	0	0.542	2
BTEX (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Trichloroethene (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Dichloroethene (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Vinyl Chloride (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
1,1,1 Trichloroethane (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Chloroethane (ug/L)		BQL	0	BQL	0	BQL	0	BQL	0	BQL	0
Total Point Value Score	--	--	**9**	--	**4**	--	**8**	--	**7**	--	**9**

Interpretation of Points Awarded

0 to 5 = Inadequate evidence of anaerobic biodegradation of chlorinated organics

6 to 14 = Limited evidence for anaerobic biodegradation of chlorinated organics

14 to 20 = Adequate evidence for anaerobic biodegradation of chlorinated organics

> 20 = Strong evidence of anaerobic biodegradation of chlorinated organics

BQL = Below Quantitation Limits

Orange shaded cells = points awarded only if the compound is a daughter product

NA = Not analyzed for parameter

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515
www.encolabs.com

Friday, November 9, 2012

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill MNA
ENCO Workorder(s): C212409

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 26, 2012.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 28.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-II1 | **Lab ID: C212409-01** | **Sampled: 10/26/12 09:30** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/23/12	10/31/12 21:53	10/31/2012 21:53
EPA 310.2	11/09/12	10/29/12 08:22	10/29/2012 10:28
EPA 353.2	07/22/15	11/01/12 12:39	11/1/2012 13:33
RSK-175	11/02/12	10/30/12 11:31	10/30/2012 13:49
SM18 4500-S D	11/02/12	10/29/12 11:01	10/29/2012 11:33
SM18 5310B	11/23/12	11/05/12 11:11	11/5/2012 14:26

Client ID: 4103-II1 | **Lab ID: C212409-01RE1** | **Sampled: 10/26/12 09:30** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/23/12	10/31/12 22:09	10/31/2012 22:09
VGC-13	11/09/12	11/05/12 13:13	11/6/2012 13:35

Client ID: 4103-II1 | **Lab ID: C212409-01RE2** | **Sampled: 10/26/12 09:30** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
RSK-175	11/02/12	10/30/12 11:31	10/30/2012 15:50

Client ID: 4103-II9 | **Lab ID: C212409-02** | **Sampled: 10/25/12 12:00** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/22/12	10/31/12 22:24	10/31/2012 22:24
EPA 310.2	11/08/12	10/29/12 08:22	10/29/2012 10:29
EPA 353.2	07/21/15	11/01/12 12:39	11/1/2012 13:33
RSK-175	11/01/12	10/30/12 11:31	10/30/2012 14:05
SM18 4500-S D	11/01/12	10/29/12 11:01	10/29/2012 11:33
SM18 5310B	11/22/12	11/05/12 11:11	11/5/2012 14:26
VGC-13	11/08/12	11/05/12 13:13	11/5/2012 19:33

Client ID: 4103-II9 | **Lab ID: C212409-02RE2** | **Sampled: 10/25/12 12:00** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
RSK-175	11/01/12	10/30/12 11:31	10/30/2012 15:18

Client ID: 4103-SMW3 | **Lab ID: C212409-03** | **Sampled: 10/25/12 13:35** | **Received: 10/26/12 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/22/12	10/31/12 22:40	10/31/2012 22:40
EPA 353.2	07/21/15	11/01/12 12:39	11/1/2012 13:33
RSK-175	11/01/12	10/30/12 11:31	10/30/2012 14:21
SM18 4500-S D	11/01/12	10/29/12 11:01	10/29/2012 11:33
SM18 5310B	11/22/12	11/05/12 11:11	11/5/2012 14:26
VGC-13	11/08/12	11/05/12 13:13	11/5/2012 20:27

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Client ID: 4103-SMW3	Lab ID: C212409-03RE1	Sampled: 10/25/12 13:35	Received: 10/26/12 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	11/08/12	10/29/12 08:22	10/29/2012 11:21

Client ID: 4103-MW14	Lab ID: C212409-04	Sampled: 10/25/12 17:00	Received: 10/26/12 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	11/22/12	10/31/12 22:55	10/31/2012 22:55
EPA 310.2	11/08/12	10/29/12 08:22	10/29/2012 10:33
EPA 353.2	07/21/15	11/01/12 12:39	11/1/2012 13:33
RSK-175	11/01/12	10/30/12 11:31	10/30/2012 14:37
SM18 4500-S D	11/01/12	10/29/12 11:01	10/29/2012 11:33
SM18 5310B	11/22/12	11/05/12 11:11	11/5/2012 14:26
VGC-13	11/08/12	11/05/12 13:13	11/5/2012 21:21

Client ID: 4103-MW14	Lab ID: C212409-04RE1	Sampled: 10/25/12 17:00	Received: 10/26/12 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
RSK-175	11/01/12	10/30/12 11:31	10/30/2012 16:38

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-II1 **Lab ID: C212409-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nitrate as N	36	J	1	25	100	10000	ug/L	EPA 353.2	
Sulfate as SO4	11000	J	1	40	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	740000	D	5	60000	75000	NE	ug/L	EPA 310.2	
Total Organic Carbon	45000		1	320	1000	NE	ug/L	SM18 5310B	

Client ID: 4103-II1 **Lab ID: C212409-01RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chloride	570000	BD	10	4300	50000	NE	ug/L	EPA 300.0	QB-01
Propionic Acid	50		1	0.063	0.070	NE	mg/L	VGC-13	
Pyruvic Acid	0.020	J	1	0.010	0.070	NE	mg/L	VGC-13	

Client ID: 4103-II1 **Lab ID: C212409-01RE2**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	1170000	D	10	2700	25000	NE	ug/L	RSK-175	
Methane	351	D	10	4.30	10.0	NE	ug/L	RSK-175	

Client ID: 4103-II9 **Lab ID: C212409-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chloride	12000	B	1	430	5000	NE	ug/L	EPA 300.0	J-01
Methane	3.48		1	0.430	1.00	NE	ug/L	RSK-175	
Sulfate as SO4	12000	J	1	40	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	360000	D	2	24000	30000	NE	ug/L	EPA 310.2	
Total Organic Carbon	1700		1	320	1000	NE	ug/L	SM18 5310B	

Client ID: 4103-II9 **Lab ID: C212409-02RE2**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	394000	D	10	2700	25000	NE	ug/L	RSK-175	

Client ID: 4103-SMW3 **Lab ID: C212409-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	153000		1	270	2500	NE	ug/L	RSK-175	
Chloride	6100	B	1	430	5000	NE	ug/L	EPA 300.0	J-01
Methane	73.1		1	0.430	1.00	NE	ug/L	RSK-175	
Pyruvic Acid	0.014	J	1	0.010	0.070	NE	mg/L	VGC-13	
Sulfate as SO4	22000	J	1	40	5000	250000	ug/L	EPA 300.0	
Total Organic Carbon	1200		1	320	1000	NE	ug/L	SM18 5310B	

Client ID: 4103-SMW3 **Lab ID: C212409-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Total Alkalinity as CaCO3	230000	D	2	24000	30000	NE	ug/L	EPA 310.2	

Client ID: 4103-MW14 **Lab ID: C212409-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetic Acid	0.53		1	0.031	0.070	NE	mg/L	VGC-13	
Chloride	2600	JB	1	430	5000	NE	ug/L	EPA 300.0	J-01
Pyruvic Acid	0.012	J	1	0.010	0.070	NE	mg/L	VGC-13	
Sulfate as SO4	2000	J	1	40	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	24000		1	12000	15000	NE	ug/L	EPA 310.2	

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Client ID:	4103-MW14				Lab ID:	C212409-04			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Total Organic Carbon	550	J	1	320	1000	NE	ug/L	SM18 5310B	

Client ID:	4103-MW14				Lab ID:	C212409-04RE1			
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Carbon dioxide	138000		1	270	2500	NE	ug/L	RSK-175	

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ANALYTICAL RESULTS

Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-01
Sampled: 10/26/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**570000**	BD	ug/L	10	4300	50000	NE	EPA 300.0	10/31/12 22:09	AJB	QB-01
Nitrate as N [14797-55-8] ^	**36**	J	ug/L	1	25	100	10000	EPA 353.2	11/01/12 13:33	AJB	
Sulfate as SO4 [14808-79-8] ^	**11000**	J	ug/L	1	40	5000	250000	EPA 300.0	10/31/12 21:53	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	10/29/12 11:33	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**740000**	D	ug/L	5	60000	75000	NE	EPA 310.2	10/29/12 10:28	AJB	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-01
Sampled: 10/26/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	**45000**		ug/L	1	320	1000	NE	SM18 5310B	11/05/12 14:26	RSA	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-01
Sampled: 10/26/12 09:30
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**1170000**	D	ug/L	10	2700	25000	NE	RSK-175	10/30/12 15:50	GMB	
Ethane [74-84-0]	0.200	U	ug/L	1	0.200	2.00	NE	RSK-175	10/30/12 13:49	GMB	
Ethene [74-85-1]	0.540	U	ug/L	1	0.540	3.00	NE	RSK-175	10/30/12 13:49	GMB	
Methane [74-82-8]	**351**	D	ug/L	10	4.30	10.0	NE	RSK-175	10/30/12 15:50	GMB	

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Description: 4103-II1 | **Lab Sample ID:** C212409-01 | **Received:** 10/26/12 13:00

Matrix: Ground Water | **Sampled:** 10/26/12 09:30 | **Work Order:** C212409

Project: White Street Landfill MNA | **Sampled By:** Gary Simcox

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/06/12 13:35	JWJ	
Butyric Acid [107-92-6]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/06/12 13:35	JWJ	
Hexanoic Acid [142-62-1]	0.078	U	mg/L	1	0.078	0.10		VGC-13	11/06/12 13:35	JWJ	QL-02, QV-01
iso-Hexanoic Acid [646-07-1]	0.080	U	mg/L	1	0.080	0.10		VGC-13	11/06/12 13:35	JWJ	QV-01
iso-Pentanoic Acid [503-74-2]	0.043	U	mg/L	1	0.043	0.070		VGC-13	11/06/12 13:35	JWJ	QV-01
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid) [50-21-5/594-61-6]	0.095	U	mg/L	1	0.095	0.14	NE	VGC-13	11/06/12 13:35	JWJ	
Pentanoic Acid [109-52-4]	0.052	U	mg/L	1	0.052	0.070		VGC-13	11/06/12 13:35	JWJ	
Propionic Acid [79-09-4]	**50**		mg/L	1	0.063	0.070	NE	VGC-13	11/06/12 13:35	JWJ	
Pyruvic Acid [127-17-3]	**0.020**	J	mg/L	1	0.010	0.070	NE	VGC-13	11/06/12 13:35	JWJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*18*	*1*	*20.0*	*92 %*	*65-143*	*2K05023*	*VGC-13*	*11/06/12 13:35*	*JWJ*	

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Description: 4103-II9
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-02
Sampled: 10/25/12 12:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**12000**	B	ug/L	1	430	5000	NE	EPA 300.0	10/31/12 22:24	AJB	J-01
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	11/01/12 13:33	AJB	
Sulfate as SO4 [14808-79-8] ^	**12000**	J	ug/L	1	40	5000	250000	EPA 300.0	10/31/12 22:24	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	10/29/12 11:33	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**360000**	D	ug/L	2	24000	30000	NE	EPA 310.2	10/29/12 10:29	AJB	

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Description: 4103-II9
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-02
Sampled: 10/25/12 12:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	**1700**		ug/L	1	320	1000	NE	SM18 5310B	11/05/12 14:26	RSA	

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Description: 4103-II9
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-02
Sampled: 10/25/12 12:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**394000**	D	ug/L	10	2700	25000	NE	RSK-175	10/30/12 15:18	GMB	
Ethane [74-84-0]	0.200	U	ug/L	1	0.200	2.00	NE	RSK-175	10/30/12 14:05	GMB	
Ethene [74-85-1]	0.540	U	ug/L	1	0.540	3.00	NE	RSK-175	10/30/12 14:05	GMB	
Methane [74-82-8]	**3.48**		ug/L	1	0.430	1.00	NE	RSK-175	10/30/12 14:05	GMB	

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Description: 4103-II9
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-02
Sampled: 10/25/12 12:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 19:33	JWJ	
Butyric Acid [107-92-6]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 19:33	JWJ	
Hexanoic Acid [142-62-1]	0.078	U	mg/L	1	0.078	0.10		VGC-13	11/05/12 19:33	JWJ	QL-02, QV-01
iso-Hexanoic Acid [646-07-1]	0.080	U	mg/L	1	0.080	0.10		VGC-13	11/05/12 19:33	JWJ	QV-01
iso-Pentanoic Acid [503-74-2]	0.043	U	mg/L	1	0.043	0.070		VGC-13	11/05/12 19:33	JWJ	QV-01
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid) [50-21-5/594-61-6]	0.095	U	mg/L	1	0.095	0.14	NE	VGC-13	11/05/12 19:33	JWJ	
Pentanoic Acid [109-52-4]	0.052	U	mg/L	1	0.052	0.070		VGC-13	11/05/12 19:33	JWJ	
Propionic Acid [79-09-4]	0.063	U	mg/L	1	0.063	0.070	NE	VGC-13	11/05/12 19:33	JWJ	
Pyruvic Acid [127-17-3]	0.010	U	mg/L	1	0.010	0.070	NE	VGC-13	11/05/12 19:33	JWJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*21*	*1*	*20.0*	*104 %*	*65-143*	*2K05023*	*VGC-13*	*11/05/12 19:33*	*JWJ*	

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Description: 4103-SMW3
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-03
Sampled: 10/25/12 13:35
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**6100**	B	ug/L	1	430	5000	NE	EPA 300.0	10/31/12 22:40	AJB	J-01
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	11/01/12 13:33	AJB	
Sulfate as SO4 [14808-79-8] ^	**22000**	J	ug/L	1	40	5000	250000	EPA 300.0	10/31/12 22:40	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	10/29/12 11:33	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**230000**	D	ug/L	2	24000	30000	NE	EPA 310.2	10/29/12 11:21	AJB	

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Description: 4103-SMW3
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-03
Sampled: 10/25/12 13:35
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	**1200**		ug/L	1	320	1000	NE	SM18 5310B	11/05/12 14:26	RSA	

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Description: 4103-SMW3
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-03
Sampled: 10/25/12 13:35
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**153000**		ug/L	1	270	2500	NE	RSK-175	10/30/12 14:21	GMB	
Ethane [74-84-0]	0.200	U	ug/L	1	0.200	2.00	NE	RSK-175	10/30/12 14:21	GMB	
Ethene [74-85-1]	0.540	U	ug/L	1	0.540	3.00	NE	RSK-175	10/30/12 14:21	GMB	
Methane [74-82-8]	**73.1**		ug/L	1	0.430	1.00	NE	RSK-175	10/30/12 14:21	GMB	

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Description: 4103-SMW3
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-03
Sampled: 10/25/12 13:35
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 20:27	JWJ	
Butyric Acid [107-92-6]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 20:27	JWJ	
Hexanoic Acid [142-62-1]	0.078	U	mg/L	1	0.078	0.10		VGC-13	11/05/12 20:27	JWJ	QL-02, QV-01
iso-Hexanoic Acid [646-07-1]	0.080	U	mg/L	1	0.080	0.10		VGC-13	11/05/12 20:27	JWJ	QV-01
iso-Pentanoic Acid [503-74-2]	0.043	U	mg/L	1	0.043	0.070		VGC-13	11/05/12 20:27	JWJ	QV-01
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid) [50-21-5/594-61-6]	0.095	U	mg/L	1	0.095	0.14	NE	VGC-13	11/05/12 20:27	JWJ	
Pentanoic Acid [109-52-4]	0.052	U	mg/L	1	0.052	0.070		VGC-13	11/05/12 20:27	JWJ	
Propionic Acid [79-09-4]	0.063	U	mg/L	1	0.063	0.070	NE	VGC-13	11/05/12 20:27	JWJ	
Pyruvic Acid [127-17-3]	**0.014**	J	mg/L	1	0.010	0.070	NE	VGC-13	11/05/12 20:27	JWJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*21*	*1*	*20.0*	*105 %*	*65-143*	*2K05023*	*VGC-13*	*11/05/12 20:27*	*JWJ*	

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Description: 4103-MW14 | **Lab Sample ID:** C212409-04 | **Received:** 10/26/12 13:00

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212409

Project: White Street Landfill MNA | **Sampled By:** Gary Simcox

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**2600**	JB	ug/L	1	430	5000	NE	EPA 300.0	10/31/12 22:55	AJB	J-01
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	11/01/12 13:33	AJB	
Sulfate as SO4 [14808-79-8] ^	**2000**	J	ug/L	1	40	5000	250000	EPA 300.0	10/31/12 22:55	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	10/29/12 11:33	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**24000**		ug/L	1	12000	15000	NE	EPA 310.2	10/29/12 10:33	AJB	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-04
Sampled: 10/25/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165] ^	**550**	J	ug/L	1	320	1000	NE	SM18 5310B	11/05/12 14:26	RSA	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill MNA

Lab Sample ID: C212409-04
Sampled: 10/25/12 17:00
Sampled By: Gary Simcox

Received: 10/26/12 13:00
Work Order: C212409

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**138000**		ug/L	1	270	2500	NE	RSK-175	10/30/12 16:38	GMB	
Ethane [74-84-0]	0.200	U	ug/L	1	0.200	2.00	NE	RSK-175	10/30/12 14:37	GMB	
Ethene [74-85-1]	0.540	U	ug/L	1	0.540	3.00	NE	RSK-175	10/30/12 14:37	GMB	
Methane [74-82-8]	0.430	U	ug/L	1	0.430	1.00	NE	RSK-175	10/30/12 14:37	GMB	

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Description: 4103-MW14 | **Lab Sample ID:** C212409-04 | **Received:** 10/26/12 13:00

Matrix: Ground Water | **Sampled:** 10/25/12 17:00 | **Work Order:** C212409

Project: White Street Landfill MNA | **Sampled By:** Gary Simcox

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	**0.53**		mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 21:21	JWJ	
Butyric Acid [107-92-6]	0.031	U	mg/L	1	0.031	0.070	NE	VGC-13	11/05/12 21:21	JWJ	
Hexanoic Acid [142-62-1]	0.078	U	mg/L	1	0.078	0.10		VGC-13	11/05/12 21:21	JWJ	QL-02, QV-01
iso-Hexanoic Acid [646-07-1]	0.080	U	mg/L	1	0.080	0.10		VGC-13	11/05/12 21:21	JWJ	QV-01
iso-Pentanoic Acid [503-74-2]	0.043	U	mg/L	1	0.043	0.070		VGC-13	11/05/12 21:21	JWJ	QV-01
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid) [50-21-5/594-61-6]	0.095	U	mg/L	1	0.095	0.14	NE	VGC-13	11/05/12 21:21	JWJ	
Pentanoic Acid [109-52-4]	0.052	U	mg/L	1	0.052	0.070		VGC-13	11/05/12 21:21	JWJ	
Propionic Acid [79-09-4]	0.063	U	mg/L	1	0.063	0.070	NE	VGC-13	11/05/12 21:21	JWJ	
Pyruvic Acid [127-17-3]	**0.012**	J	mg/L	1	0.010	0.070	NE	VGC-13	11/05/12 21:21	JWJ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*21*	*1*	*20.0*	*105 %*	*65-143*	*2K05023*	*VGC-13*	*11/05/12 21:21*	*JWJ*	

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QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2J29005 - NO PREP

Blank (2J29005-BLK1) Prepared: 10/29/2012 08:22 Analyzed: 10/29/2012 10:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	12000	U	15000	ug/L							

LCS (2J29005-BS1) Prepared: 10/29/2012 08:22 Analyzed: 10/29/2012 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	99000		15000	ug/L	100000		99	80-120			

Matrix Spike (2J29005-MS1) Prepared: 10/29/2012 08:22 Analyzed: 10/29/2012 10:14

Source: C211483-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	590000		75000	ug/L	200000	400000	97	80-120			

Matrix Spike Dup (2J29005-MSD1) Prepared: 10/29/2012 08:22 Analyzed: 10/29/2012 10:15

Source: C211483-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	600000		75000	ug/L	200000	400000	103	80-120	2	25	

Batch 2J29009 - NO PREP

Blank (2J29009-BLK1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L							

LCS (2J29009-BS1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.33		0.10	mg/L	0.401		82	80-120			

Matrix Spike (2J29009-MS1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Source: C212409-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L	401	10 U		80-120			QM-05

Matrix Spike Dup (2J29009-MSD1) Prepared: 10/29/2012 11:01 Analyzed: 10/29/2012 11:33

Source: C212409-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L	401	10 U		80-120		25	QM-05

Batch 2J30027 - NO PREP

Blank (2J30027-BLK1) Prepared & Analyzed: 11/01/2012 12:18

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2J30027 - NO PREP

Blank (2J30027-BLK1) Continued Prepared & Analyzed: 11/01/2012 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	**1500**	**J**	5000	ug/L							
Sulfate as SO4	40	U	5000	ug/L							

LCS (2J30027-BS1) Prepared & Analyzed: 11/01/2012 12:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49000	B	5000	ug/L	50000		97	90-110			
Sulfate as SO4	46000		5000	ug/L	50000		92	90-110			

Matrix Spike (2J30027-MS1) Prepared & Analyzed: 11/01/2012 13:18

Source: C212317-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	22000	B	5000	ug/L	20000	4100	88	90-110			QM-05
Sulfate as SO4	22000		5000	ug/L	20000	5400	84	90-110			QM-05

Matrix Spike Dup (2J30027-MSD1) Prepared & Analyzed: 11/01/2012 13:33

Source: C212317-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	23000	B	5000	ug/L	20000	4100	92	90-110	3	10	
Sulfate as SO4	23000		5000	ug/L	20000	5400	87	90-110	3	10	QM-05

QUALITY CONTROL

Dissolved Gases by GC - Quality Control

Batch 2J30011 - Same

Blank (2J30011-BLK1) Prepared: 10/30/2012 11:31 Analyzed: 10/30/2012 12:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	270	U	2500	ug/L							
Ethane	0.200	U	2.00	ug/L							
Ethene	0.540	U	3.00	ug/L							
Methane	0.430	U	1.00	ug/L							

LCS (2J30011-BS1) Prepared: 10/30/2012 11:31 Analyzed: 10/30/2012 12:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	49700		2.50	mg/L	50400		99	71-120			
Ethane	519		0.00200	mg/L	500		104	75-123			
Ethene	505		0.00300	mg/L	500		101	72-131			
Methane	498		0.00100	mg/L	500		100	74-120			

LCS Dup (2J30011-BSD1) Prepared: 10/30/2012 11:31 Analyzed: 10/30/2012 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Dissolved Gases by GC - Quality Control

Batch 2J30011 - Same

LCS Dup (2J30011-BSD1) Continued Prepared: 10/30/2012 11:31 Analyzed: 10/30/2012 12:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	51000		2.50	mg/L	50400		101	71-120	3	10	
Ethane	535		0.00200	mg/L	500		107	75-123	3	14	
Ethene	519		0.00300	mg/L	500		104	72-131	3	12	
Methane	514		0.00100	mg/L	500		103	74-120	3	18	

Duplicate (2J30011-DUP1) Prepared: 10/30/2012 11:31 Analyzed: 10/30/2012 13:33

Source: B205252-03RE2

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	90300	JD	250000	ug/L		89900			0.4	30	
Ethane	20.0	UD	200	ug/L		20.0 U				30	
Ethene	54.0	UD	300	ug/L		54.0 U				30	
Methane	2920	D	100	ug/L		3080			5	30	

Volatile Fatty Acids by HPLC - Quality Control

Batch 2K05023 - NO PREP

Blank (2K05023-BLK1) Prepared: 11/05/2012 13:13 Analyzed: 11/05/2012 13:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	0.031	U	0.070	mg/L							
Butyric Acid	0.031	U	0.070	mg/L							
Hexanoic Acid	0.078	U	0.10	mg/L							
iso-Hexanoic Acid	0.080	U	0.10	mg/L							
iso-Pentanoic Acid	0.043	U	0.070	mg/L							
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid)	0.095	U	0.14	mg/L							
Pentanoic Acid	0.052	U	0.070	mg/L							
Propionic Acid	0.063	U	0.070	mg/L							
Pyruvic Acid	0.010	U	0.070	mg/L							
Surrogate: Trimethylacetic acid	*21*			*mg/L*	*20.0*		*103*	*65-143*			

LCS (2K05023-BS1) Prepared: 11/05/2012 13:13 Analyzed: 11/05/2012 15:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	21		0.070	mg/L	20.0		104	80-120			
Butyric Acid	21		0.070	mg/L	20.0		107	80-120			
Hexanoic Acid	33		0.10	mg/L	20.0		165	80-142			QL-02
iso-Hexanoic Acid	27		0.10	mg/L	20.0		133	80-154			
iso-Pentanoic Acid	23		0.070	mg/L	20.0		115	80-120			
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid)	37		0.14	mg/L	40.0		93	80-120			
Pentanoic Acid	23		0.070	mg/L	20.0		113	80-120			
Propionic Acid	19		0.070	mg/L	20.0		96	80-120			
Pyruvic Acid	16		0.070	mg/L	20.0		78	76-120			
Surrogate: Trimethylacetic acid	*21*			*mg/L*	*20.0*		*104*	*65-143*			

Matrix Spike (2K05023-MS1) Prepared: 11/05/2012 13:13 Analyzed: 11/05/2012 15:51

QUALITY CONTROL

Volatile Fatty Acids by HPLC - Quality Control

Batch 2K05023 - NO PREP

Matrix Spike (2K05023-MS1) Continued Prepared: 11/05/2012 13:13 Analyzed: 11/05/2012 15:51

Source: B205468-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	29		0.070	mg/L	21.1	6.6	107	80-120			
Butyric Acid	23		0.070	mg/L	21.1	0.031 U	108	80-120			
Hexanoic Acid	33		0.10	mg/L	21.1	0.078 U	157	80-142			QM-07
iso-Hexanoic Acid	27		0.10	mg/L	21.1	0.080 U	130	80-154			
iso-Pentanoic Acid	25		0.070	mg/L	21.1	0.043 U	119	80-120			
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid)	38		0.14	mg/L	42.1	0.095 U	91	80-120			
Pentanoic Acid	25		0.070	mg/L	21.1	0.052 U	117	80-120			
Propionic Acid	22		0.070	mg/L	21.1	1.1	100	80-120			
Pyruvic Acid	18		0.070	mg/L	21.1	0.010 U	84	76-120			
Surrogate: Trimethylacetic acid	*24*			*mg/L*	*21.1*		*114*	*65-143*			

Matrix Spike Dup (2K05023-MSD1) Prepared: 11/05/2012 13:13 Analyzed: 11/06/2012 11:09

Source: B205468-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	29		0.070	mg/L	21.1	6.6	106	80-120	0.7	10	
Butyric Acid	23		0.070	mg/L	21.1	0.031 U	110	80-120	2	10	
Hexanoic Acid	28		0.10	mg/L	21.1	0.078 U	133	80-142	17	27	
iso-Hexanoic Acid	28		0.10	mg/L	21.1	0.080 U	132	80-154	2	10	
iso-Pentanoic Acid	24		0.070	mg/L	21.1	0.043 U	112	80-120	6	10	
Lactic Acid/HIBA (2-Hydroxyisobutyric Acid)	39		0.14	mg/L	42.1	0.095 U	92	80-120	2	14	
Pentanoic Acid	24		0.070	mg/L	21.1	0.052 U	112	80-120	4	18	
Propionic Acid	22		0.070	mg/L	21.1	1.1	99	80-120	0.9	10	
Pyruvic Acid	18		0.070	mg/L	21.1	0.010 U	84	76-120	0.6	10	
Surrogate: Trimethylacetic acid	*21*			*mg/L*	*21.1*		*98*	*65-143*			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2K05015 - NO PREP

Blank (2K05015-BLK1) Prepared: 11/05/2012 11:11 Analyzed: 11/05/2012 14:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	320	U	1000	ug/L							

LCS (2K05015-BS1) Prepared: 11/05/2012 11:11 Analyzed: 11/05/2012 14:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	38000		1000	ug/L	40000		95	85-115			

Matrix Spike (2K05015-MS1) Prepared: 11/05/2012 11:11 Analyzed: 11/05/2012 14:26

Source: A206193-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	45000		1000	ug/L	40000	2600	106	85-115			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 2K05015 - NO PREP

Matrix Spike Dup (2K05015-MSD1) Prepared: 11/05/2012 11:11 Analyzed: 11/05/2012 14:26

Source: A206193-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	45000		1000	ug/L	40000	2600	107	85-115	1	21	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill MNA
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 / Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcoxo / S&ME Inc.	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone:

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C212409

Requested Analyses — Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Alkalinity 310.2 Chloride 300 Nitrite as N 353.2	Fatty Acids	Nitrate Calc 353.2	NOX 353.2	RSK 175 + CO2	Sulfate 300	Sulfide SM4500-S D	TOC SM5310B			Sample Comments
	4103-II1	10/26/12	0930	G	GW	11	X	X	X	X	X	X	X	X			
	4103-II9	10/25/12	1200	G	GW	11	X	X	X	X	X	X	X	X			
	4103-SMW3	10/25/12	1335	G	GW	11	X	X	X	X	X	X	X	X			
	4103-MW14	10/25/12	1700	G	GW	11	X	X	X	X	X	X	X	X			

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time 10/26/12 1530
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time 10/26/12 1300
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-012 1.2c		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist